

Baseline Study of the Resilience Food Security Activities (RFSAs) in Niger: Final Report



July 2021 | Volume II Annexes 1, 1A, 1B, 1C, & 2

IMPEL | Implementer-Led Evaluation & Learning Associate Award



ABOUT IMPEL

The Implementer-Led Evaluation & Learning (IMPEL) Associate Award 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 United States Agency for International Development (USAID) 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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DISCLAIMER

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ACRONYMS

ADC	Community Development Assistance
ANC	Antenatal care
BHA	Bureau for Humanitarian Assistance
BL	Baseline
BLS	Baseline Survey
CAPI	Computer-assisted personal interview
CARE	Cooperatives for Assistance and Relief Everywhere
CERS	Health Research Ethics Committee
CNERS	National Ethics Committee for Health Research
COB	Close of business
CPR	Contraceptive prevalence rate
CRS	Catholic Relief Services
DEMI-E	<i>Développement pour un Mieux Etre</i>
EDC	Education Development Center
FCS	Food Consumption Score
FFP	Office of Food for Peace
FTF	Feed the Future
GHT	Gendered household type
ICRISAT	International Crops Research Institute for the Semi-Arid Tropics
IDEAL	Implementer-Led Design, Evidence, Analysis and Learning
IMPEL	Implementer-Led Evaluation and Learning
IP	Implementing partner
IRH	Institute for Reproductive Health
IT	Information technology
MCHN	Maternal and Child Health and Nutrition
MDD-C	Minimum diet diversity for children
NCBA CLUSA	National Cooperative Business Association/CLUSA
NGO	Non-governmental organization
ODK	Open Data Kit
ORT	Oral Rehydration Therapy
PBS	Population-based survey
PE	Performance evaluation
PPS	Probability proportional to size
RFSA	Resilience Food Security Activity
RISE	Resilience in the Sahel Enhanced

SC	Save the Children
ToT	Training of trainers
USAID	United States Agency for International Development
ViMPlus	Victory Against Malnutrition
WASH	Water, Sanitation and Hygiene

ANNEX 1: BURKINA FASO AND NIGER BASELINE POPULATION-BASED SURVEY PROTOCOL – FINAL

1. INTRODUCTION

The United States Agency for International Development (USAID) Office of Food for Peace (FFP) uses Title II and/or community development funds to support multi-year resilience food security activities (RFSAs) around the world that improve and sustain the food and nutrition security of vulnerable populations. In 2018 FFP funded one five-year RFSAs in Kaya, Burkina Faso and three five-year RFSAs in the regions of Zinder and Maradi, Niger. Part of the Resilience in the Sahel-Enhanced (RISE) initiative, these RFSAs include:

1. Victory Against Malnutrition (ViMPlus) in Kaya, Burkina Faso, implemented by ACDI/VOCA in partnership with Save the Children (SC) and Tufts University;
2. *Hamzari* in the Maradi region of Niger, implemented by CARE in partnership with AREN, FORSANI, ANBEF, KARKARA, Développement pour un Mieux Etre (DEMI-E) and Water Aid;
3. *Girma* in the Zinder region of Niger, implemented by Catholic Relief Services (CRS) in partnership with DEMI-E, Community Development Assistance (ADC), Education Development Center (EDC), International Crops Research Institute for the Semi-Arid Tropics (ICRISAT), Institute for Reproductive Health (IRH) at Georgetown University, Tufts University and Viamo;
4. *Wadata* in the Zinder region of Niger, implemented by SC in partnership with the National Cooperative Business Association/CLUSA (NCBA CLUSA), the Kaizen Company, and DEMI-E.

The RFSAs are designed to address critical challenges in food security, nutrition, and poverty and to improve the resilience of households and communities. Although the approach for each RFSAs differs, all RFSAs implement activities across technical sectors, layering and sequencing interventions at both the individual and household levels. Key interventions are designed around improving food access and incomes through agriculture and other livelihoods initiatives; enhancing natural resource and environment management; combating undernutrition, especially for children under two, in addition to pregnant and lactating women; and mitigating disaster impact through early warning and community preparedness activities.

Under the Implementer-Led Evaluation and Learning (IMPEL) activity to improve the design and implementation of FFP RFSAs activities, Technical Assistance to NGOs (TANGO) International, in collaboration with the implementing partners (IPs), will be conducting four baseline (BL) studies in 2020 and four interim performance evaluations (PE) in 2024 of the four FFP RFSAs. The implementer-led approach provides greater ownership of the evaluation process and promotes wider dissemination and learning within the implementer community.

Under the Implementer-Led Evaluation and Learning (IMPEL) activity, TANGO International in collaboration with the IPs will conduct:

Four baseline studies in 2020; and

Four mixed methods interim performance evaluations (PE) in 2024.

Protocols for the interim PEs will be developed at a later stage.

The BL studies and interim PEs each include: 1) a population-based household survey to measure intermediate outcomes that are within the manageable interest of the activity, and 2) qualitative data from secondary sources for the BL study and qualitative data collection for the interim PEs. The information generated through the BL studies and interim PEs will be used by FFP to make a performance-based extension decision.

A local firm will be hired to perform the data collection for the BL survey with close oversight and quality control by TANGO. This protocol describes the data collection tools, field procedures, data collection, quality assurance and data analysis for the BL studies. A separate protocol will be developed for the four interim PEs.

2. QUANTITATIVE DATA COLLECTION AND ANALYSIS

Quantitative data collection for the BL studies will include a population-based household survey (PBS) conducted among a random sample representative of the entire population of households living in each of the RFSA's. Bagna Solutions, a local data collection firm, has been selected to conduct the data collection in Burkina Faso and Niger. The primary purpose of the PBS is to provide population-level estimates on a limited number of intermediate but critical FFP outcome indicators, and possibly a limited number of questions and indicators proposed by the USAID Missions and IPs. These indicators will serve as points of comparison for the interim PEs. In Niger, where there are three RFSA's, results will be stratified by award so that they are representative of each RFSA's implementation area. Data collection for the BL studies in both countries was scheduled to commence in early 2020 (March-April) and end by April 23, 2020, before the start of Ramadan. However, due to the onset of the COVID-19 pandemic, field work for the BLS was suspended until local regulations and conditions (e.g., local transmission of virus, travel restrictions, willingness of households to be interviewed in-person) indicated that face-to-face interviewing could safely resume with COVID-19 mitigation procedures in place. Based on the revised schedule, the BLS will be conducted in September and end at the start of the harvest period in October.

2.1 Sampling Design

The BL survey sampling strategy uses a cross-sectional, multi-stage cluster design. In the first stage, clusters are randomly selected from the RFSA's sampling frame using probability proportional to size (PPS). The sampling frame for each RFSA consists of all villages within the RFSA target area, i.e., all villages that will receive the activity's interventions.¹ Table 1 illustrates the number of villages and households included in the BL sampling frame for each RFSA.

¹ IPs provided the list of villages within each DFSA's target area and the number of households and population within each village. These data are based on a census that each IP implemented in 2019 in their respective DFSA target area.

Table 1. Clusters and Households Included in the BL Sampling Frames

	Number of villages	Number of Households
Burkina Faso		
ViMPlus (ACDI/VOCA)	258	67,579
Niger		
<i>Girma (CRS)</i>	689	165,205
<i>Hamzari (CARE)</i>	325	40,089
<i>Wadata (SC)</i>	139	22,239

2.1.1 Sample Size

The sample size calculations for the BLS of each RFSa is based on performance indicators selected with FFP to be measured in the survey and based on statistical information from the RISE I Midterm IE conducted in 2017. Statistical information from the endline survey of the FFP Title II Programs in Niger that was conducted in 2017 was also used to inform the selection of the parameters for the sample size calculations. The indicators that were used for the sample size calculations are the proportion of respondents that have adopted: i) improved water, sanitation and hygiene (WASH) practices, ii) improved agricultural storage practices and financial services, and iii) recommended maternal and child health and nutrition (MCHN) practices. The indicator with the highest required sample size was then selected. The sample size formula used is for detecting changes in proportion variables.

The following parameter values were applied in the calculations:

- Design effect of 5 for WASH and agricultural practices indicators, and 2 for MCHN indicators²;
- 95 percent confidence level for one-tailed test;
- 80 percent power for one-tailed test;
- Expected change of 15 percentage points over the life of the project³;
- Non-response factor of 25 percent to account for estimated household nonresponse rate.⁴

Applying these values, inspection of the minimum required sample size across all the performance indicators points to a minimum required sample size of 750 households per RFSa, giving a total minimum required sample size of 3,000 households (750 for Burkina Faso and 2,250 for Niger). Table 2 summarizes the sample size requirements for the BL studies.

² TANGO proposes an estimated design effect of 5 for the WASH and agricultural practices indicators, and 2 for MCHN indicators based on the examination of the 2017 endline survey results for FFP Title II Programs in Niger. The 2017 endline survey of FFP Title II programs showed a design effect ranging between 7 and 8 for the agricultural indicators and a design effect of about 4 for the children's dietary diversity indicator. The WASH indicators from the 2017 FFP endline survey showed an actual design effect ranging between 6 and 16 depending on the indicator. Given the range of actual design effects observed from existing statistical information, the maximum allowable design effect (10) for the FTF sample size calculator, and budgetary constraints, a design effect of 5 was used for the agricultural/WASH indicators and 2 for MCHN indicators.

³ This threshold was adopted based on the change over time of similar indicators from past FFP development food assistance programs (DFAP) in Niger. A 15-percent change point or more was observed for several agricultural indicators as well as the children's dietary diversity indicators in prior DFAPs (2013-2017).

⁴ This non-response rate was selected to account for the level of uncertainty due to unrest in the surveyed areas.

Table 2. BL PBS Sample Size Requirements for each RFSA

Indicator*	Estimate of proportion at time point 1 (PE ₁)**	Estimate of proportion at time point 2 (PE ₂)***	Estimated Design Effect	Household Sample Size Needed per RFSA	Households Needed per RFSA with 25 Percent Nonresponse Adjustment
Percent of households with access to a basic sanitation service	0.189	0.339	5	529	706
Percent of households with soap and water at a handwashing station on premises	0.049	0.198	5	292	390
Percentage of farmers who used financial services (savings, agricultural credit, and/or agricultural insurance) in the past 12 months	0.20	0.35	5	543	724
Percentage of farmers who used improved storage practices in the past 12 months	0.20	0.35	5	543	724
Minimum Dietary Diversity - Women (MDD-W)	0.20	0.35	2	216	288
Prevalence of children 6-23 months of age receiving a minimum acceptable diet (MAD)	0.057	0.207	2	226	355
* Sample size calculations based on the indicator for the prevalence of exclusive breastfeeding were performed using PE ₁ =0.20 and PE ₂ = 0.35 with DEFF=2 resulted with a sample size beyond the budget (N=1,180 with 25 percent nonresponse adjustment).					
** Assumption of 20 percent as a starting point for all behavior change/adoption of agriculture and MCHN practice indicators (except for MAD) was used. Otherwise, the RISE I Midline Survey results were used for all other calculations.					
*** An expected change of 15 percentage points was selected as the minimum difference that is deemed important to detect in the indicator between the two time points over a five-year period to achieve change that is meaningful from a policy or program perspective.					
NOTE: Assumptions for all calculations: one-sided test, alpha=0.05, beta=0.80, clusters/villages per RFSA = 25, households per cluster=30.					

During the listing exercise, TANGO determined that several of the villages in the Wadata implementation areas have a small household population (i.e., less than 30 households). In order to reach the minimum required sample size of 750, TANGO increased the number of households drawn per village in the second stage from 30 to 31 households and adopted this threshold across all RFSA for consistency. Thus, the number of sampled households was increased from 750 households per RFSA to 775 households giving a total sample size of 775 for Burkina Faso and 2,325 for Niger. See Annex 1 for details on revisions to the sampling.

2.1.2 Sample Selection

The sample for each RFSA will be selected using multi-stage cluster sampling with two stages of sampling: 1) selection of clusters, and 2) selection of households.⁵

In the first stage, clusters (or villages) are randomly selected from the RFSA's sampling frame using probability proportional to size (PPS).⁶ This entails selecting 25 villages for each RFSA. If required, alternate clusters will also be selected, in case a cluster needs to be replaced (e.g., due to inaccessibility).

In the second sampling stage, households are selected within each selected cluster from completed lists of all households compiled through a household listing conducted in the sampled clusters by the local firm.⁷ FFP surveys define a household as “a person or group of people who live together and share meals” or “eating from the same pot.” The name of the head of household will be recorded for each identified household. A total of 31 households will be selected per cluster using systematic random sampling from the household listing that will be conducted by the local firm. During the listing exercise, GPS coordinates for each village will be taken by using a commonly accepted central point in the village. GPS coordinates will also be taken for each surveyed household to facilitate locating sampled households during the main data collection. Thus, GPS coordinates will not be collected again during data collection. The data entry program used during data collection will be fitted with the serial number assigned to the household during the listing so that the GPS coordinates from the listing exercise can be linked to the household survey data.

All household members eligible for each module are selected. For modules requiring data about the household (e.g., food consumption; social capital; and water, sanitation, and hygiene), no individuals are sampled because the household is the sampling unit. Household survey respondents for those modules are typically the head of household, spouse, or the adult most knowledgeable about the module topic (e.g., the adult responsible for food preparation for the module on food access). Other modules have specific eligibility criteria.

The following is the protocol for selecting respondents:

- All children under 24 months will be selected for questions on children's feeding practices. No additional sampling weights will be needed in this case. The mother or caretaker of the eligible children (i.e., all children under 24 months) will be interviewed as a proxy respondent.
- All children under five years will be selected for questions on diarrhea. No additional sampling weights will be needed in this case. The mother or caretaker of the eligible children (i.e., all children under five years) will be interviewed as a proxy respondent.

⁵ For the purpose of this survey, first stage selection is defined as the selection of a cluster or a village and not a census enumeration area because the DFSAs identified their target areas by villages rather than census enumeration divisions.

⁶ IPs provided a list of villages in their implementation area and the estimated number of households and population size to facilitate the first stage of sampling of villages.

⁷ The household listing will be conducted using tablets.

- All women between the ages of 15-49 will be selected for questions on dietary diversity, antenatal care (ANC), contraceptive prevalence rate (CPR) and family planning. No additional sampling weights will be needed in this case.
- All women and men in a union who earned cash will be selected for questions on gender and cash. No additional sampling weights will be needed in this case.
- The youngest adult woman in a union and her partner will be selected for questions on access to credit and group membership. No additional sampling weights will be needed in this case.
- All farmers with access to a plot of land over which they make decisions or who have animals and/or aquaculture that they manage will be selected for Module G questions on agriculture. Only those farmers with access to a plot of land over which they are the primary-decision maker for the crops of interest or those farmers who are the primary-decision makers for raising the animals of interest will be interviewed for the Modules on agricultural production, plot and yield. For Niger, the crops of interest are sorghum, millet, cowpeas, and peanuts. For Burkina Faso, the crops of interest are sorghum, cowpeas, rice and onions. For both countries the livestock of interest are goats, sheep and poultry. Alternative respondents can be interviewed if they are knowledgeable about the farmer's agricultural practices and decisions. No additional sampling weights will be needed in this case.

Prior to the start of field work and during the listing exercise, TANGO made several revisions to the list of villages initially selected for the BL surveys in Burkina Faso and Niger. Revisions to the initial sampling were necessitated due to the following factors: (a) expansion in the implementation area of the Wadata RFSAs in Zinder, Niger; and (b) selection of replacement clusters in several RFSAs in Girma, Hamzari and Burkina Faso. In total, TANGO replaced four villages. Replacements were made in the following cases:

- Replacements due to overlap with the RISE I endline survey sample (one village)
- Replacements due to inadequate village size (one village)
- Replacements due to security risks or inaccessibility due to weather (two villages)

In addition to revisions to the sampling, TANGO relisted households in 13 of the sampled villages to obtain more comprehensive information. Annex 1 describes the revisions to the sampling.

2.2 Questionnaire

The questionnaire to be used for the BL PBS in Burkina Faso and Niger is derived from the traditional FFP PBS questionnaire. It has been streamlined to reflect a “Baseline Lite” approach, with more limited but critical lower-level indicators. Table 3 illustrates the indicators to be measured and the level of disaggregation.

TANGO worked closely with FFP to develop the “Baseline Lite” survey tool, which must have an average completion rate of about two hours for the proposed budget to be maintained. The survey tool will not

collect anthropometric measurements for children and women, or consumption expenditures data for households.⁸

The BL survey questionnaire for Burkina Faso and Niger includes modules on the following topics:

- Module A: Household Identification and Informed Consent
- Module B: Household Roster
- Module C: Food Consumption Score
- Module D: Child Feeding Practices and Diarrhea
- Module E: Women's Dietary Diversity, ANC, CPR and Family Planning
- Module F: Water, Sanitation and Hygiene
- Module G: Agriculture (crop, livestock, NRM, storage, financial services)
- Module J: Gender and Cash
- Module KF: Access to Credit and Group Membership (youngest woman in a union)
- Module KM: Access to Credit and Group Membership (partner of youngest woman in a union)
- Module P: Activity Participation
- Module Q: COVID-19 Awareness, Impacts, and Coping Strategies
- Module R: Social Capital
- Module 7.51: Agricultural Production – Goats
- Module 7.52: Agricultural Production – Sheep
- Module 7.90 Plot/Land map
- Module 7.91 Plot area
- Module 7.92 Crop Yield

Questions and response options will be adapted for the different country contexts, such as those that involve food as part of Modules C, D and E, and the types of containers and sanitation facilities as part of Module F. Additionally, the types of improved agricultural practices promoted may vary by activity (Module G), which would then also require contextualization. In Niger, there will be a single household questionnaire, in which project-specific contextualization are incorporated. For example, the list of improved practices will include practices promoted by all three RFSa activities, including those that differ by project.

The questionnaire will be first developed in English and then translated into French. The questionnaire will then be back-translated into English to check the quality of translation. The local data collection firm will translate all tools into French for training and fieldwork and will perform the back-translations as well.⁹ Translation of the questionnaire will only be made available in MS Excel and on the ODK tablet-based version. The English and French versions of the household questionnaires for Burkina Faso and Niger are presented in Annexes 2a-2d.

⁸ The RISE II baseline survey covers villages that overlap with the FFP DFSAs. Depending on the timing of data collection for the RISE II baseline survey, estimates of children and women's anthropometry and household consumption expenditures will be derived from the RISE II study, and thus will serve as proxy estimates for the FFP DFSAs in Niger and Burkina Faso.

⁹ Bagna will recruit enumerators who are well versed in local languages – namely, Hausa in Niger, and Mosi and Peuhl in Burkina Faso. In those areas where local languages are spoken, enumerators will conduct the interview in the local language but enter the response in French. Enumerators will have ample time during the training to practice conducting interviews in local languages and entering responses in the French-programmed data entry forms on the tablets.

Table 3. Indicators to be Measured in the “Baseline Lite” Survey

Indicator	Disaggregation Level
FOOD SECURITY	
1. Percentage of households with poor, borderline and adequate Food Consumption Score (FCS)	GHT
WATER, SANITATION AND HYGIENE	
2. Percentage of households using basic drinking water services	GHT
3. Percentage of households with access to a basic sanitation service	GHT
4. Percentage of households with soap and water at a hand-washing station on premises	GHT
AGRICULTURE	
5. Percentage of farmers who used financial services (savings, agricultural credit and/or agricultural insurance) in the past 12 months	Sex
6. Percentage of farmers who used improved storage practices in the past 12 months	Sex
7. Proportion of producers who have applied targeted improved management practices or technologies**	Commodity Sex Age (15-29, 30+) Management Practice or Technology Type
8. Yield of targeted agricultural commodities within target areas	CROPS: commodity, farm size, sex, age (15-29, 30+) LIVESTOCK: commodity, production system, sex, age AQUACULTURE: commodity, sex, age
WOMEN'S HEALTH AND NUTRITION	
9. Percentage of women of reproductive age consuming a diet of minimum diversity (MDD-W)	Age: <19, 19+ years
10. Percent of births receiving at least 4 antenatal care (ANC) visits during pregnancy	None
11. Contraceptive prevalence rate (CPR)	Traditional, modern
12. Percent of women in union who have knowledge of modern family planning methods that can be used to delay or avoid pregnancy	Age: 15-19, 20-29 and 30-49
13. Percent of women in union who made decisions about modern family planning methods in the past 12 months	Decision-making: Alone, jointly, spouse Ages: 15-19, 20-29, 30-49
CHILD HEALTH AND NUTRITION	
14. Prevalence of children 6-23 months consuming a diet of minimum diversity (MDD-C)	Sex
15. Percent of children under age five (0-59 months) who had diarrhea in the prior two weeks	Sex
16. Percentage of children under age 5 (0-59 months) with diarrhea treated with Oral Rehydration Therapy (ORT)	Sex
GENDER - CASH	
17. Percent of women/men in union who earned cash in the past 12 months	Sex Age: Female 15-19, 20-29, 30-49; Male 15-19, 20-29, ≥30

Indicator	Disaggregation Level
18. Percent of women in union and earning cash who report participation in decisions about the use of self-earned cash	Age: 15-19, 20-29, 30-49
19. Percent of women in union and earning cash who report participation in decisions about the use of spouse/partner's self-earned cash	Age: 15-19, 20-29, 30-49
20. Percent of men in union and earning cash who report spouse/partner participation in decisions about the use of self-earned cash	Age: 15-19, 20-29, ≥30
GENDER CREDIT AND GROUP PARTICIPATION	
21. Percent of women/men who are members of a community group	Sex Age: Female 15-19, 20-29, 30-49; Male 15-19, 20-29, ≥30
22. Percent of women/men in a union with access to credit	Age: Female 15-19, 20-29, 30-49; Male 15-19, 20-29, ≥30
23. Percent of women/men in a union who make decisions about credit	Decision actors: Alone, jointly Sex Age: Female 15-19, 20-29, 30-49; Male 15-19, 20-29, ≥30
RESILIENCE-RELATED	
24. Proportion of households that believe local government will respond effectively to future shocks and stresses	GHT
25. Index of social capital at the household level	Social capital component: Overall Index, Bonding sub-index, Bridging sub-index GHT
26. Proportion of households participating in group-based savings, micro-finance or lending programs	Financing type GHT

*GHT= gendered household type.

**This applies to crops and livestock of interest. For Niger, the crops of interest are sorghum, millet, cowpeas, and peanuts. For Burkina Faso, the crops of interest are sorghum, cowpeas, rice and onions. For both countries the livestock of interest are goats, sheep and poultry.

2.3 Field Procedures

The data for the BL PBS in Burkina Faso and Niger will be collected with tablets using Computer-Assisted Personal Interviewing (CAPI). Tablets will be loaded with the Open Data Kit (ODK) data entry application. Field procedures will be adapted with COVID-19 safety mitigation protocols at every stage of data collection to mitigate the risk of the virus transmission and safeguard the wellbeing of staff, households, and communities:¹⁰

- Avoid/minimize travel between regions and between regions and the capital
- Minimize duration of contact between data collection teams and households and time spent in the communities¹¹
- Abide by local rules, regulations, and social/physical distancing guidelines (see Box 1)
- Avoid large gatherings and minimize proximity
- Ensure adequate training of all staff and data collection teams on Do No Harm and safe approaches for face-to-face interviewing and knowledge of COVID-19 transmission and mitigation (including frequent handwashing with water and soap)
- Ensure availability of needed equipment/materials to mitigate virus spread (i.e., face covers, hand sanitizer, soap, and thermometers)
- Maintain close oversight and adherence to Do No Harm protocols
- Provide information on what to do/whom to contact in the event of a suspected COVID case (i.e., referral to health clinic)

Box 1. Guidance to listing agents and data collection teams

- ✓ Be respectful if households express concern or apprehension to participate in the interview
- ✓ Perform temperature checks every day before deploying
- ✓ Wear a mask or facial cover before, during, and after the interview
- ✓ Encourage the respondent to wear a face cover
- ✓ Conduct the interview outside or in a well-ventilated space
- ✓ Discourage other household members from congregating, if this is not possible, try to minimize the number of people present
- ✓ Maintain at least one-meter distance apart throughout the interview
- ✓ Avoid handshakes or physical contact
- ✓ Wash hands with water and soap or use sanitizer/hand alcohol – before and after
- ✓ Sanitize frequently touches surfaces (e.g., tablets).

¹⁰ The underlying principle guiding the adaptations to the BLS data collection procedures is Do No Harm. Per the USAID/FFP and USAID/OFDA Interim Guidance for Applicants Engaging in COVID-19 Humanitarian Response: in all programming, the safety and security of community members and implementing partner staff are critical; and where remote monitoring is not feasible, update data collection tools and protocols to limit proximity, frequency, and duration of face-to-face contact.

¹¹ Field teams will be instructed to be thorough while adhering to COVID-19 mitigation protocols. Bagna is hiring additional enumerators – i.e., five enumerators per team rather than four, to reduce the overall time spent in each village (two days). Other ways to minimize frequency of contact include identifying a time of the day when family members are most likely to be home to conduct the interview, and pre-arranging revisits by phone, where possible, since phone numbers will be collected during the listing exercise.

2.3.1 Field Manuals

Prior to the start of training, TANGO will develop Enumerator and Team Lead Manuals for the BLS based on prior BL surveys and FFP and FTF guidelines. The manuals provide guidance on field procedures and the survey protocol. TANGO will customize the manuals to the BLS questionnaire and for country-specific field protocols. The Team Lead's Manual will describe the study design and objectives, roles and responsibilities, rules and regulations, ethics in data collection, field work preparation and data quality assurance protocols. The Enumerator's Manual will cover similar topics and provides question-by-question guidance for completing the questionnaire including the correct selection of eligible respondents for each module and appropriate interviewing techniques and procedures. The Enumerator's manual will also include guidance on operating tablets and understanding ODK, the software used to program the questionnaire and to capture the data on the tablets. TANGO will adapt the manuals to include guidance for COVID-sensitive fieldwork procedures.

2.3.2 Training

Due to the COVID situation and security risks, trainings will be held regionally in Kaya, Maradi and Zinder to minimize travel and avoid large gatherings. TANGO will lead a virtual training of trainers (ToT) for Bagna field supervisors, independent survey monitors, and team leads. The ToT will be held using Zoom. Separate enumerator trainings will be conducted for each RFSa in their respective regions as follows:

- Kaya: One training for the data collection teams assigned to collect data in the ViMPlus areas;
- Maradi: One training for *Hamzari* data collection teams;
- Zinder: Two separate trainings to be conducted, one for the data collection team assigned to Girma and one for the team assigned to collect data in the Wadata program areas.

The ToT will be conducted over a six-day period. Bagna supervisors, team leads, and local survey monitors will participate in the training. During this time, TANGO will lead the training remotely. The ToT will focus on roles and responsibilities, organization and supervision of fieldwork, and data quality assurance and performance monitoring. TANGO will also perform a question-by-question review of the instrument. This includes mock interviews and role playing to ensure all participants are well versed in the instrument and in navigating the ODK program in order to effectively lead the enumerator training.

The main (enumerator) training will be conducted over a seven-day period covering all survey modules and including one day of field testing of the survey with tablets and one day of making revisions to and finalizing the survey instrument prior to the commencement of data collection. Bagna field supervisors and the independent survey monitors, previously trained by TANGO during the ToT, will conduct the main training with remote support from TANGO.¹²

Following the completion of the ToT, each trainer (Bagna supervisor) will lead an in-person training in their respective region. The enumerator training will include a combination of plenary sessions for question-by-question guidance and break-out groups to practice and role-play using the tablets. The break-out groups will be followed by a plenary session debrief to discuss issues experienced and how to

¹² TANGO and the trainers will be connected on a WhatsApp group and communicate daily and as needed when issues arise during the training. In addition, TANGO staff will connect via ZOOM and participate in the daily de-brief plenary sessions where issues are discussed among trainers and participants.

handle them. The local survey monitors, previously trained during the ToT, will participate in the main training and observe the mock interviews and provide feedback.

Bagna will arrange to conduct most of the training outdoors. During the days that the training is held indoors (2-days), Bagna will require participants to wear masks. Physical/social distancing will be adhered to at all times. Bagna will instruct participants to wash their hands with water and soap and use hand sanitizer frequently. COVID-kits, comprising hand sanitizers and face covers/masks, will be distributed to participants at the start of the training. Temperature checks will be taken at the start of each day and anyone presenting with a fever will not be allowed to participate in the training and will self-isolate for a period of 14 days. Bagna is training an additional 20 percent of the total number of required enumerators as back-up.

The timeline for training is based on best practices from TANGO's previous experience training local firms, including TANGO's more recent experience conducting virtual trainings (e.g., Madagascar and Sudan). Four TANGO staff members will lead the ToT remotely and the same TANGO staff members will be available to serve as resource persons during the main training that will be led by Bagna.¹³

Prior to the start of trainings, TANGO will develop the training curriculum in collaboration with Bagna Solutions. Annex 3 provides the training curriculum for the ToT and main training. Training topics will include data gathering, sampling strategy, human subjects research, a review of the survey questionnaire, use of and how to gather data using mobile devices, data checks for quality control, creating backup copies of data, and data archiving and transfer. Participants will be trained on Do No Harm principles and COVID-sensitive data collection protocols, in addition to the standard training on the instrument. Trainings will include background on how COVID-19 is transmitted and methods to prevent its spread. COVID training will also cover enumerator conduct outside of official business, to make sure that enumerators follow health protocols as much as possible in the evenings, when they are not working, and may be more likely to be exposed to the virus.

At the end of the seven days of the enumerator training, there will be a one-day pilot test conducted in each of the three regions (Kaya, Maradi, and Zinder) followed by a one-day discussion session of challenges (e.g., skip logic, wording, sequence/clarity of questions) and needed modifications to the survey, as well as final logistical planning. Each enumerator will complete two full interviews during the pilot test, and team leads, and field supervisors will observe enumerators and make notes on their performance which they will share during the debrief. Table 4 summarizes the pre-data collection activities.

Table 4. Pre-Data Collection Activities

Activity	Duration	Participants
Listing training and household listing exercise	17 days	Listing agents
Training of trainers	6 days	TANGO, Bagna Supervisors, Independent Survey Monitors

¹³ As indicated above, TANGO will be connected to the trainers on a WhatsApp group to communicate daily, and as needed when issues arise during the training. In addition, TANGO staff will participate in the daily de-brief plenary sessions where issues are discussed among trainers and participants.

Activity	Duration	Participants
Fieldwork Training	7 days	Enumerators, Team Leads, Bagna Supervisors, Independent Survey Monitors, IT Specialists
Pilot test of survey instrument and field procedures	1 day	
De-brief and adjustments to PBS questionnaire, tablet, field data collection planning, and other fieldwork logistics. All changes communicated by TANGO to FFP for approval.	1 day	

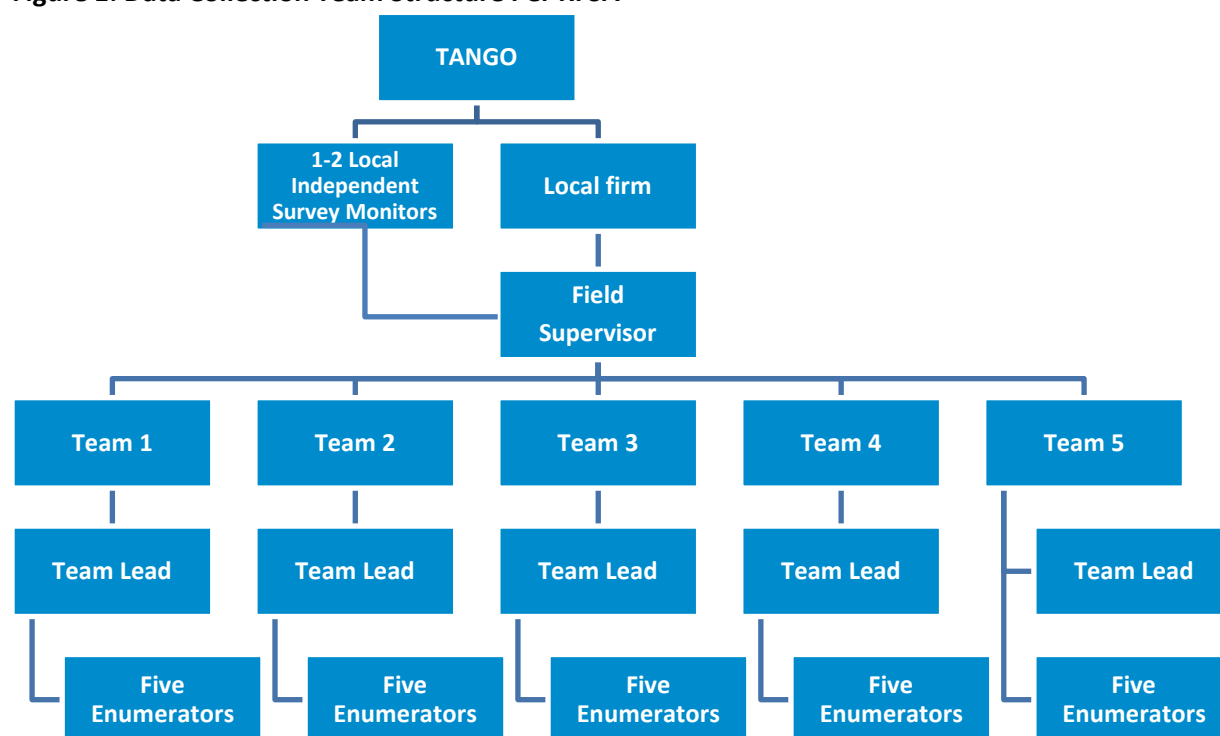
2.3.3 Quantitative Data Collection

Data collection will commence immediately after the pilot study and will end by October 11, 2020, at the start of the harvest period. A quantitative data collection team will be formed for each RFSA and consist of enumerators, team leads, a local firm supervisor and 1-2 local independent survey monitors.

To collect data from 775 households in Burkina Faso and 2,325 households in Niger, there will be 20 teams (five teams per RFSA implementation area), each consisting of one team lead and five enumerators. Accordingly, the local data collection firm will hire a total of 100 enumerators, 20 team leads, and four supervisors. One information technology (IT) specialist will be hired to support data collection in each region (Kaya, Maradi and Zinder), for a total of three IT specialists. TANGO will hire 1-2 local independent survey monitors for each RFSA, whom will accompany the five teams assigned to their RFSA for the entire duration of data collection to provide quality control and oversight of field work.¹⁴ Figure 1 illustrates the structure of the data collection teams for each RFSA.

¹⁴ Based on the availability of qualified local survey monitors who are regionally based, TANGO hired two survey monitors to oversee data collection in the Girma areas, one survey monitor to cover Hamzari, one survey monitors for Wadata, and two survey monitors for ViMPlus.

Figure 1: Data Collection Team Structure Per RFSA



Bagna will recruit enumerators from the respective regions in which data collection will take place to minimize travel between regions and to minimize security risks and risk of transmission associated with travel.¹⁵ All teams will be trained in the regions in which they will be assigned to collect data and will be deployed for data collection at the same time. TANGO staff, independent survey monitors, key personnel from the local data collection firm, and field supervisors will provide continued training and close oversight during the data collection to ensure high quality data collection.

To ensure adequate oversight of field teams, TANGO will hire independent survey monitors (up to two per RFSA) and train them during the ToT. Survey monitors will be trained on all aspects of field work, including the instrument, operating the ODK program, entering data in tablets, and monitoring field completion and enumerator performance.¹⁶ The local survey monitors will travel with the data collection teams and provide an additional layer of oversight and quality control independent of Bagna field supervisors, who will also be travelling with the field teams. TANGO will form two WhatsApp groups, one with Bagna field supervisors and another with the local survey monitors. TANGO will communicate daily with both groups in addition to convening daily debriefs to receive updates from the field on any issues encountered.

Data collection teams will work with community focal points to identify a time of the day when household members are most likely to be home to reduce the frequency of contact/revisits needed to complete the interviews. This information will be collected during the listing exercise. Data collection

¹⁵ Per FFP's request, 100 percent of enumerators are female. However, field supervisors and team leads will be a mix of males and females.

¹⁶ Team leads will maintain field completion forms and review enumerator's assignment sheets. Bagna will also complete field check tables and share them with the survey monitors and TANGO.

teams are staffed so that the teams spend no more than two days in each community. COVID kits will be distributed to data collection teams at the start of field work. Temperature checks will be taken at the start of each day and anyone presenting with a fever will not be allowed to participate in the data collection and will be replaced by back-up enumerators.

2.3.4 Quality Control

Quality control of the PBS begins with an effective and comprehensive training followed by monitoring throughout data collection. TANGO will facilitate a virtual ToT. Local IP staff will provide training on program-specific information, including program details, to the local firm (enumerators, team leads, and field supervisors).¹⁷ The training will cover required technical, logistical, and leadership aspects. This includes supervisor, team lead, and enumerator roles and responsibilities, rules, behaviors, and ethics (including gender sensitivity), respondent selection, and use of field control sheets. This will be followed by mock interviews/role playing and a one-day pilot test of the survey where the local data collection teams will practice in detail the survey tool.

With oversight by TANGO and the local independent survey monitors (1-2 overseeing each RFSA), Bagna Solutions will organize, manage, and implement the data collection activities for each BL study. Bagna was selected based on prior experience conducting quantitative surveys, particularly with surveys conducted using mobile devices. Bagna will be responsible for identifying and hiring competent enumerators and field supervisors, organizing and leading the enumerator training, arranging data collection field logistics, overseeing, supervising and providing quality control of data collection, management and transmission of data from the field, and delivery of a final dataset to TANGO for analysis. Bagna will prioritize the recruitment of enumerators who have experience conducting past FFP surveys.

The team leads from each team will review data from the enumerators' mobile devices to ensure data quality prior to uploading specific data to the TANGO server. In consultation with TANGO, the independent survey monitors and local firm field supervisors will utilize several data quality monitoring controls. Quality monitoring controls will be adapted to mitigate against COVID-19 risks associated with in-person re-interviews and verification procedures. During the household listing exercise, Bagna will be collecting phone numbers of households. Where possible, team leads will select up to two households that have telephones and perform a re-interview on the phone of a subset of critical questions, such as the household roster. The independent survey monitors and field supervisors will also verify, via telephone where possible, that non-response households are unavailable or truly opted out of participation. At the end of each day, team leads will collect all mobile devices from enumerators and review a subset of household interview records and questions that are collected that day – verifying enumerators are collecting accurate data. Enumerators will be trained to wipe down their tablets using alcohol before handing them over to their team leads, and similarly, team leads will sanitize the tablets before returning them to the enumerators.

Survey monitors will accompany the five data collection teams assigned to their RFSA. Survey monitors will travel independently and will visit all five teams throughout the entire duration of data collection to

¹⁷ Local IP staff will determine for themselves whether they wish to participate in-person in the main training or whether they wish to join remotely.

ensure the understanding and proper practice of quality control procedures. Survey monitors will provide regular updates to TANGO on fieldwork progress or any issues encountered. Local survey monitors will be hired based on substantial prior experience managing and implementing surveys in West Africa, preferably related to food security and nutrition, fluency in local languages and knowledge of the regions in which data collection will take place, and prior experience with CAPI surveys.

TANGO will remotely monitor data consistency throughout the ongoing data collection process using data periodically downloaded from the cloud server and by reviewing field check tables. Data will be uploaded to a secure TANGO daily subject to connectivity. TANGO will review the data and provide feedback on data quality, survey progress, and highlight specific issues to be discussed with each field team. TANGO staff will develop field check tables to check for response rates, missing data, outliers, age displacement and value heaping. Feedback will be provided to each field team so that inconsistencies can be corrected. The ODK dataset (XML format) will be converted into a Stata (Version 15) database for data management and analysis. Validated data will be accumulated in the main Stata database. TANGO will conduct daily debriefs with the independent survey monitors to troubleshoot issues with the instrument, ODK programming or understanding of the survey protocols.

2.4 Data Processing and Analysis

2.4.1 Data Entry Programming and Testing

Electronic data capture devices or tablets will be used as part of data collection, complemented with ODK software. The use of mobile devices and an electronic questionnaire improves data quality by allowing data validation rules and consistency checks to be integrated as part of data collection. Mobile devices reduce data entry burden as data are entered at the enumerator level and records are uploaded to a cloud server using the built-in internet connectivity of the devices. This will allow the data analysis team to frequently review data consistency and ensure the data are ready for analysis almost immediately after the completion of data collection for all sampled households.

The ODK form design will initially be based on the English-language version of the questionnaire incorporating skipping rules and other interview logic. To ensure the correct identification and selection of eligible household members, only the name(s) and line number(s) of eligible household members will appear on the tablet at the start of each module when the enumerator is prompted to select the respondent. Thus, the ODK form will be designed to pull information collected from the household roster that will auto-fill the respondent selection items. Once the English version of the electronic form is tested and validated, the French translation will be added to the ODK form. TANGO will test the data entry program for errors and functionality. Tablets will be loaded with the data entry program in French before the start of training. Tablets will be used during the ToT and enumerator training to ensure that data collection teams are adequately trained in the skip logic of the program and in translating into local languages.¹⁸ The survey tool and the data entry program will be tested during the one-day pilot. Modifications to the survey tool and data entry program will be made as needed to address any issues found during the pilot test.

¹⁸ The local languages are Hausa in Niger and Mosi and Peuhl in Burkina Faso.

2.4.2 Data Transmission

After reviewing completed interviews, the team leads will upload finalized data to the cloud server through a secure transmission. Data for each RFSA activity is managed and maintained separately on a secure TANGO server.

2.4.3 Data Analysis

TANGO will clean and analyze household survey data, using Stata data analysis and statistical software. In Niger, data from the three RFSA activities will be pooled and analyzed as one data set, with stratification by RFSA activity.

Point estimates: Point estimates and variance estimations are derived using Taylor series expansion and consider the design effect associated with the complex sampling design; and 95 percent confidence intervals are provided for all FFP indicators.

Multivariate analyses: TANGO will conduct additional analyses to explore associations with key outcome indicators for a select number of indicators. All descriptive, bivariate and multivariate analyses to be conducted will be determined following the preliminary calculation of the FFP indicators and presented to FFP for approval prior to the start of data analysis.

Sampling weights: Separate weights are calculated for indicators and adjusted to compensate for household and individual non-response.

Missing Data: Missing data points are not included in calculations for FFP and program-specific indicators (i.e., they are excluded from the denominator and numerator). “Don’t Know” responses are recoded to the null value and included in the denominator; i.e., “Yes”, “No” and “Don’t Know” responses are included in the denominator, but only “Yes” responses are counted in the numerator.

2.4.4 Final Datasets

TANGO will deliver final datasets following the completion of the data analysis and the vetting of results with stakeholders. Datasets will be submitted in .CSV, STATA, and SPSS formats. To ensure the anonymity of respondents, all personal identifying information will be removed from the datasets prior to their delivery to FFP. The final data files will include:

- Sampling frames and sampling weights for each RFSA;
- Raw data files generated from the ODK data entry application;
- Edit rules and programming specifications for each final dataset; and
- Codebook for each final dataset (one for Burkina Faso and one for Niger with a project variable to facilitate future analyses by RFSA).

3. QUALITATIVE DATA ANALYSIS

Due to a number of recent studies conducted in Burkina Faso and Niger, the BL study for each RFSA will use available secondary data, including from the IP Year One refine year, and when necessary work directly with IP technical leads to provide further triangulation and explanation of unexpected quantitative results.

The BL study can draw on qualitative data from three secondary sources to help interpret the PBS quantitative survey data:

- FFP-gathered primary data from 2018 Niger and Burkina Faso final evaluations;
- Qualitative data collected by TANGO as part of the USAID RISE I endline;
- Qualitative information collected during the refinement year by IPs of the four RFSAs.

Use of existing data reinforces the focus by USAID on use and dissemination of data and lessons learned across countries and within the IDEAL-supported food security and nutrition community of practice of IPs.

4. ETHICAL CONSIDERATIONS AND INFORMED CONSENT

Ethical approval to conduct the BLS in Niger will be obtained from the National Ethics Committee for Health Research (CNER) in Niamey. An application for ethical approval to conduct the survey in Burkina Faso was submitted to the Burkina Faso's Health Research Ethics Committee (CERS).¹⁹ TANGO will work with the local data collection firm to obtain permission to access the study communities in each of the RFSAs. Bagna will secure the permission of local/village authorities to enter the communities to conduct face-to-face interviews prior to beginning field work. The Burkina Faso and Niger missions provided official letters that will be carried by the Bagna data collection teams.

Enumerators will obtain verbal consent before each interview after explaining the objectives and purpose of the study and information safeguards. Module A of the household questionnaire describes the guidelines for requesting informed consent. TANGO has updated the consent statement to include COVID-19 risks. Annex 4 provides the introduction and consent statement that each enumerator will read prior to beginning the interview. The enumerator must certify that: (a) each eligible respondent has provided verbal consent to participate in the interview before being personally interviewed; and (b) guardians (e.g., parents, grandparents) of minors under the age of 18 years have provided consent.

Enumerators will explain the risks associated with participating in a face-to-face interview in the context of the COVID-19 pandemic. Respondents are informed that participation is voluntary and may choose to decline to participate in the interview. Respondents may refuse to answer a question and request to move to the next question, and they may request to stop the interview at any time.

Participation in the survey is expected to carry no direct costs, risks, or benefits. The survey is expected to take approximately two hours to complete. It is expected to carry a low burden on respondents since

¹⁹ IRB approval has been secured in Burkina Faso and Niger. TANGO will provide FFP with copies of the local IRB approval letters.

no single respondent will be interviewed for the entire questionnaire. Respondents will not incur transportation costs. The survey does not include invasive procedures. Respondents will not be compensated for participating in the study.

5. LIMITATIONS AND POTENTIAL CHALLENGES

Limitations of the BL study design and potential challenges encountered during the BL study implementation are discussed below as well as contingency plans to address them as they arise.

5.1 Limitations of the Study Design

Use of Streamlined Survey Questionnaire: Due to the insecure environments in which the baseline survey will occur, the BL survey questionnaire was streamlined to collect limited but critical lower-level outcome indicators. Estimates of impact-level indicators such as children and women’s anthropometry and poverty, typically components of the FFP survey, were initially expected to be derived from a separate survey, namely the RISE II baseline survey. Due to the COVID-19 pandemic, data collection for the RISE II baseline did not commence as expected (May/June). Therefore, the feasibility of using anthropometric and consumption expenditures estimates from the RISE II baseline survey as proxy measures depends on when the RISE II baseline survey will take place.²⁰

Validity and Reliability of Self-reported Data: Most of the data collected for the household survey are self-reported. Limitations of self-reported data include the potential for exaggeration or omission of information, inaccurate recall, social-desirability bias, or reporting of untruthful information, and reduced validity if respondents do not fully understand a question. The reliability of self-reported data will be particularly challenging for questions related to land size and agricultural yield because these will not be based on direct measurement but farmers’ responses. Enumerators will be trained in techniques to help mitigate these types of measurement bias.

Timing of the Survey: Data collection is scheduled to take place in September, ahead of the harvest season for both Burkina Faso and Niger which typically starts in October (FEWSNET). The timeline for the pre-fieldwork activities and data collection is condensed and correspondingly the number of enumerators is increased (from four to five enumerators per team) in order to complete data collection at the start of the harvest period. However, delays in the data collection may occur and this could impact the food consumption score (upward bias food security estimates) if data collection spills further into the harvest period.

Sample size: If the baseline values of the behavior change/adoption of agriculture and MCHN practice indicators are higher than estimated, then a larger sample size is needed to detect the 15-percentage point change. Thus, if the assumptions underlying the sample size calculations are not met this could

²⁰ There are limitations to the approach of combining outcome-level indicators from one source with impact-level indicators from another survey. The RISE II baseline survey will not be powered to provide estimates at the level of individual DFSAs, an approach that has been approved by FFP, in contrast to the FFP baseline surveys which are powered to provide DFSA-level estimates. Additionally, differences in the timing of the two surveys may impact some indicators that are sensitive to seasonality.

have implications on the ability to statistically detect the desired level of change over time in the indicators.

5.2 Potential Challenges and Contingency Plans

Non-response: Respondents may be reluctant to participate in the survey due to general mistrust that may arise in politically volatile situations and due to fears of falling ill in the present context of the COVID-19 pandemic. The field teams will be trained to explain to respondents the objectives of the study and measures taken to preserve the anonymity of their responses. It is also possible that households may relocate or move due to the political situation. For this reason, the study design takes into a higher than usual nonresponse factor of 25 percent.

Security and travel risks and difficulties locating villages: The outbreak of political unrest and violence and changes in COVID-19 conditions, may impact the ability of field teams to reach certain clusters. Additionally, some of the RFSA intervention areas may be smaller communities, such as hamlets. It may be difficult to locate communities that do not have easily recognizable boundaries. To address these challenges, TANGO and Bagna will implement the following strategies:

- The household listing will be conducted shortly ahead of the start of data collection (see Section 7. Timeline) so that clusters that cannot be reached will be replaced by other clusters at that time.
- Bagna will contact local authorities in advance of fieldwork about the BLS and secure permission to enter communities. The Burkina Faso and Niger Mission have been requested to provide official letters that will be carried by the Bagna data collection teams.
- Bagna will communicate regularly with the local authorities as necessary, and prior to entering communities, to remain informed of local conditions and the security situation in order to minimize security risks to the data collection teams.
- To minimize time spent in villages, Bagna will deploy two teams per village in Burkina Faso to complete data collection in one day.
- Field teams operating in areas with restricted access will coordinate their movement with the local authorities. Clusters that are deemed dangerous to reach due to the security situation will be replaced by other clusters at that time.
- Field teams will be comprised of enumerators who reside in the regions in which data collection is slated to take place to minimize travel risks. Bagna will recruit an additional 20 enumerators to reduce the number of days in the field to mitigate COVID-19 and security risks.
- TANGO will coordinate closely with the independent survey monitors and Bagna supervisors to monitor travel between different locations and obtain regular updates on local (COVID-19) conditions and the security situation. Field movement plans will be adjusted as needed ahead of any anticipated violence or unrest if possible.

Poor Connectivity: Poor or intermittent network connectivity may result in the need to extend the training period due to the need to reschedule make-up training sessions.

Compact Schedule: To complete data collection at the start of the harvest period and to reduce the duration of data collection teams in the communities, the timeline for the pre-fieldwork activities and

data collection is condensed. TANGO will modify the training agenda as needed to keep with the schedule. TANGO will coordinate closely with its independent survey monitors and the local firm supervisors to ensure that fieldwork is progressing as planned and is completed on time.

6. DISSEMINATION OF FINDINGS

TANGO will prepare two BL study reports in English, one for Burkina Faso and one for Niger, in which results are stratified by RFSA activity. The reports will be reviewed (two rounds of revisions) and finalized under FFP approval. Due to the COVID-19 pandemic, FFP will host webinar briefings for Washington, DC and the field to present findings from the PBS and the synthesis of findings from secondary qualitative data.

7. TIMELINE

Table 5 illustrates the projected timeline for milestone activities for the FFP BL studies in Burkina Faso and Niger.

Table 5. FFP Baseline Studies in Burkina Faso and Niger Timeline of Milestone Activities

Activity	Date
Questionnaire developed	January 14
Research protocol submitted to local ethics/IRB committee	January 22
Local data collection firm selected	February 14
Pre-training meeting/conference call with local data collection firm	February 18
Obtain list of RFSA villages and size of villages from IPs	February 21
Villages selected and sent to local data collection firm	March 2
Training manuals (team lead/supervisor and enumerator) and training curriculum provided to FFP for review and approval prior to translation	August 21
All required ethics approvals are obtained	August 21
Household listing training and listing exercise in sampled villages, including data cleaning ¹	August 24 –September 15
Approved Questionnaires, Training Curriculum and Manuals (Team Lead and Enumerators) provided to local data collection firm for translation	August 25
ODK data entry template finalized and tested	August 28
Questionnaire, Training Curriculum and Manuals translated into French and printed	August 31
Training of Trainers (ToT)	August 31–September 6
Field team training (main training)	September 13–September 18
Pilot test of questionnaire and field protocols	Saturday, September 19
Pilot debrief and questionnaire/tablet adjustments if needed	Sunday, September 20
IP presentations (Additional session for MCHN presentations) IP presentation on security (ViMPlus/Burkina Faso only) Logistics of fieldwork Updates to instrument/ODK program Revised instruments provided to FFP for approval (COB)	Monday, September 21
FFP approval of post-pilot questionnaire (COB)	Tuesday, September 22

Activity	Date
Start of field work - Niger ²	Sunday, September 27
Start of field work – Burkina Faso ²	Wednesday, September 30
End of fieldwork	October 11
Receipt of clean datasets from local subcontractor	October 16
Preliminary indicator results ³	November 16
Qualitative data analysis (synthesis of secondary data sources)	October – November 2020
Additional quantitative data analysis	November – December 2020
Draft Burkina Faso baseline study report	January 8
Draft Niger baseline study report	January 15
Receive comments on Draft Burkina Report	January 22
Receive comments on Draft Niger Report	January 29
Submission of final Burkina Faso baseline study report	February 5
Submission of final Niger baseline study report	February 12
Submission of final datasets	February 19
FFP/Washington briefing ⁴	TBD

NOTES: ¹ The listing exercise took longer than initially planned due to several factors: (1) Need to redraw the Wadata sample to account for expansion into secondary areas; (2) need to select replacement clusters; and (c) impassable roads due to flooding. See Annex 1 for details.

² Fieldwork was postponed due to the need to redo the listing exercise in several villages in Girma, Hamzari, and ViMPlus. See Annex 1 for details.

³ TANGO will facilitate a virtual validation workshop with the IPs to review the preliminary results within a week of the submission of the preliminary indicator estimates.

ANNEX 1A: REVISIONS TO SAMPLING AND SELECTED VILLAGES

Background

The sample for the baseline survey (BLS) of each resilience food assistance security activity (RFSA) in Burkina Faso and Niger was selected using multi-stage cluster sampling with two stages of sampling: 1) selection of clusters, and 2) selection of households.²¹

TANGO selected villages from the list of villages provided by the implementing partners (IPs) in February 2020. The list of villages included the number of households in each village to facilitate selection proportional to size. Some of the IPs had completed their census in 2019 and others had partially completed censuses so it was acknowledged by the IPs that the data may not be up to date. Furthermore, some of the information was based on estimates for those IPs who had not yet completed their census.

Data collection for the baseline studies in both countries was scheduled to commence in early 2020 (March-April). Due to the onset of the COVID-19 pandemic, field work for the BLS was suspended and was rescheduled to begin in September 2020. Prior to the start of field work and during the listing exercise, TANGO made several revisions to the list of villages initially selected for the BL survey. Revisions to the initial sampling were necessitated due to the following factors: (a) expansion in the implementation area of the Wadata RFSA in Zinder, Niger; and (b) selection of replacement clusters in several RFSAs. In total, TANGO replaced four villages. Replacements were made in the following cases:

- Replacements due to overlap with the RISE I endline survey sample (one village)
- Replacements due to inadequate village size (one village)
- Replacements due to security risks or inaccessibility due to weather (two villages)

In addition to revisions to the sampling, TANGO relisted households in 13 of the sampled villages to obtain more comprehensive information. The following sections describe in detail the revisions to the sampling.

Re-drawing sampling due to expansion in Wadata RFSA implementation area: During the listing exercise, TANGO learned that the Wadata RFSA had expanded its implementation area to secondary villages. The listing exercise in Wadata was paused to resolve this issue but continued in the other RFSAs. To ensure that the villages selected for the BLS in Wadata are representative of the entire RFSA area, TANGO updated the Wadata sampling frame to include both primary (141 villages) and secondary villages (496 villages) for a total of 637 villages.²² Because the list of villages for Wadata included many small villages (i.e., less than 30 households), TANGO decided in consultation with BHA, to exclude exceedingly small villages (i.e., fewer households than the minimum number of households

²¹ For this survey, first stage selection is defined as the selection of a cluster or a village and not a census enumeration area because the DFSAs identified their target areas by villages rather than census enumeration divisions.

²² Many of the villages that have household populations less than 30 are quite small (e.g., a total of 125 villages have household populations ranging between 15 and 30 households, while 129 villages have household populations ranging from one to 14 households).

needed) from the sampling frame. The strategy to exclude small village was to sort the list of villages by size (the number of households), and starting with the smallest villages, excluded two percent of the total households from the sampling frame. This resulted with the exclusion of 117 of the 637 villages in the Wadata list of villages. The 117 villages excluded have household populations of less than 14 households (alternatively, the villages that remained in the sample have household populations equal to or greater than 14). After drawing 25 villages from the revised frame, 3 of 25 villages have household populations less than 35 (specifically, 18, 31, and 34 households). In order to reach the minimum required sample size of 750, TANGO increased the number of households drawn per village in the second stage from 30 to 31 households (for the 24 villages that have at least 31 households; in the one Wadata village selected that has less than 31 households, TANGO will attempt to interview all 18 households in this particular village). As a final step, TANGO cross-referenced the sampled villages against the RISE I sample to ensure no overlap.

Replacements due to overlap with the RISE I endline survey sample: Before the start of the listing exercise, TANGO replaced one village because it overlapped with the sample for the RISE I endline survey. This was done to avoid the possibility of the same households being selected to concurrently participate in two similar surveys. To replace the village, Bagna identified four villages in the vicinity of the selected village. Specifically, Bagna selected four villages in the commune of Tougouri as replacements for Taonsho: Tidimtoa, Tilga, Tiga-Banger, and Tissimi. TANGO excluded Tilga because it was in the RISE I EL sample. TANGO then randomly selected one village (Tidimtoa) from among the three.

Replacements due to inadequate village size: On September 8, during the listing exercise, Bagna listers came across a sampled village in Wadata (Mairam) with only five households with a responsible adult; all other households (anticipated number was 125 households) had migrated to their fields to harvest their crops due to a pest infestation. TANGO adopted the same strategy described above to replace Mairam – namely, by performing a simple random selection of one village, Mai Outari, from a group of four (Faou Faou Nord, Arnadi, Gassafa, and Mai Outari) that were identified by Bagna as being in the vicinity of Mairam.

Replacements due to security risks and impassable roads: Two villages were replaced in Burkina Faso – one because of the security situation and the other because of impassable roads due to flooding. In Burkina, Naré-yace replaced Tidimtao due to security reasons, and Nakomogo replaced Barao due to inaccessibility caused by flooding.

Re-listing villages with fewer than 31 households or segments with fewer than expected households: TANGO analyzed the data from the listing exercise and identified many villages with significantly fewer households than reported by the IPs in their census data. Additionally, TANGO identified seven villages in Niger and one village in Burkina Faso (total of eight villages) with fewer than 31 households.²³ These discrepancies were observed in the Girma, Hamzari and VIMPlus intervention areas. The eight villages with fewer than 31 households are listed in the Annex 4, Table 1 below.

²³ Retkoulga (Burkina Faso) was relisted because insecurity in the area resulted with a small number of households being counted.

The discrepancy in the number of households between the listing data and IP data could be partially explained by the following factors:

1. Definition of a village/boundaries of a village: IPs tended to define a village as a cluster of smaller villages or nearby hamlets whereas Bagna listers defined the boundaries of a village based on the natural boundaries of the “main village.”
2. Village segmentation: Several larger villages were segmented into smaller villages. For villages that were segmented, Bagna provided TANGO with information on the size of the village and number of segments in which it was divided.

Table A4.1. List of villages with less than 31 households

No.	RFSa	Commune	Village	Number of households		
				IP data	Initial listing data	Re-listed data
10	Girma	Gouchi	Maitsamiya	350	29	73
18	Girma	Malawa	Kazake Koukaou	310	28	42
20	Girma	Sassoumbroum	Djalido Mareni	252	14	42
28	Hamzari	Chadakori	Dan Outou	101	16	36
32	Hamzari	Chadakori	Karoussa	322	16	41
34	Hamzari	Chadakori	Marake Labo	63	26	63
35	Hamzari	Chadakori	Saounaoua	291	13	26
16	ViMPlus	Bouroum	Retkoulga	542	16	103

An additional five villages in Niger appeared to have been segmented but the number of households in the segments was over 31 but less than expected for a segmented village.²⁴ Those villages are listed in Annex 4, Table 2.

Bagna re-did the listing exercise in the 13 villages identified in Table A4.1 and A4.2. The revised list of households was used to perform the second stage selection of households in those villages.

Table A4.2 List of villages reported as segmented but with less than expected number of households

No.	RFSa	Commune	Village	Number of households	
				IP data	Listing data
16	Girma	Malawa	Bakane	233	78
26	Hamzari	Chadakori	Achabissa	115	35
33	Hamzari	Chadakori	Kouka Biar	277	55
40	Hamzari	Guidan Roudji	Hannou	340	59
41	Hamzari	Guidan Roudji	Katare Moussa	296	84

²⁴ Typically, we would segment a village with over 300 households and each segment would have about 150-200 households.

ANNEX 1B: TRAINING AGENDAS

2020 Food for Peace Population-based Baseline Surveys in Burkina Faso and Niger
Schedule Training of Trainers and Main Training of Enumerators
Virtual ToT
August 31–September 6

Table 6: Training of Trainers

Date	Local Time ²⁵ (Niamey)	Topic	Facilitation	Notes
Monday, August 31 (Day 1)	Morning session	Review background documents: protocol, questionnaires, and manuals	Bagna	Supervisors and survey monitors will review background materials to acquaint themselves with the RFSAs and survey and to identify comments and questions to discuss with TANGO team in the afternoon session.
	14:00–14:15	Welcome and Introduction	TANGO	Introduction to Food for Peace (FFP); background on FFP population-based surveys; purpose of the baseline studies
	14:15–16:00	Discussion of FFP survey methodology Pre-fieldwork activities COVID-19 awareness, and mitigation strategies Roles and responsibilities Preparing for field work	TANGO	Survey objectives, design, and modules Review of pre-fieldwork activities (listing, main training, and pilot) Background on COVID-19 and mitigation strategies Discussion of survey organization and responsibilities of team leads Planning, logistics, and communication procedures and protocols
	16:00–16:15	Tea break		
	16:15–17:30	Introduction to Computer-Assisted Personal Interviewing (CAPI) and ODK basics Distribution of tablets ODK Menu system	TANGO	Tablets are distributed on the first day and a walk-through the ODK program is performed so that the rest of the training can continue on the tablet Participants will review the paper questionnaire and familiarize themselves with the tablet in preparation for the upcoming sessions

²⁵ All times are noted in Niamey local time; participants in Kaya will note the one-hour time difference between Niger and Burkina Faso.

Date	Local Time ²⁵ (Niamey)	Topic	Facilitation	Notes
Tuesday, Sept. 1 (Day 2)	09:00–10:00	Background on RFSAs and review of interventions (especially WASH and ag)	IP staff – RFSAs 1	IPs will introduce their RFSAs and describe their activities. Each RFSAs will have 45 minutes. Given the short notice, if IP staff cannot participate on Day 2, they may choose to participate in subsequent days.
	10:00–11:00	Background on RFSAs and review of interventions (especially WASH and ag)	IP staff – RFSAs 2	
	11:00–12:00	Background on RFSAs and review of interventions (especially WASH and ag)	IP staff – RFSAs 3	
	12:00–14:00	Background on RFSAs and review of interventions (especially WASH and ag)	IP staff – RFSAs 4	
	14:00–14:30	Recap of Day-1	TANGO	Discuss comments and questions on topics covered in Day-1
	14:30–16:00	Organizing and supervising fieldwork Monitoring enumerator performance Finalizing work	TANGO	Locating clusters and household, selecting individuals Assigning work to enumerators Maintaining field completion forms and enumerator assignment sheets Reducing non-response; Handling pending interviews; Maintaining morale Observing interviews, evaluating performance, conducting spot-checks; and completing Field Check Tables Questionnaire review and closing the cluster
	16:00–16:15	Tea break		
	16:15–17:30	Discussion on Modules A and B	TANGO	Q by Q discussion of Modules on Household identification and informed consent; Household Roster

Date	Local Time ²⁵ (Niamey)	Topic	Facilitation	Notes
Wednesday, Sept. 2 (Day 3)	Morning (prior to start of session)	Review of Day-2; Practice and role play using tablets		Supervisors and survey monitors will review materials from the previous day and role play using tablets to identify comments and questions to discuss with TANGO team.
	14:00–14:30	Recap of Day-2	TANGO	Discuss comments and questions on topics covered in Day-2
	14:30–16:00	Discussion on Modules C, R and F Discussion of Module D	TANGO	Q by Q discussion of the following modules: • Food Consumption Score • Social capital • Government Responsiveness and Social Capital • Group-based Savings and Credit • Water, Sanitation, and Hygiene • Children’s Feeding Practices and Diarrhea
	16:00–16:15	Tea break		
	16:15–17:30	Discussion of Modules E and J	TANGO	Q by Q discussion of the following modules: • Women’s Dietary Diversity, ANC, CPR, and Family Planning • Gender and Cash
Thursday, Sept. 3 (Day 4)	Morning (prior to start of session)	Review of Day-2; Practice and role play using tablets		Supervisors and survey monitors will review materials from the previous day and role play using tablets to identify comments and questions to discuss with TANGO team.
	14:00–14:30	Recap of Day-3	TANGO	Discuss comments and questions on topics covered in Day-3
	14:30–16:00	Discussion of Modules KF, KM, and G	TANGO	Q by Q discussion of the following modules: • Access to credit and Group Membership (Youngest woman in a union and Partner of youngest woman in a Union) • Agricultural practices
	16:00–16:15	Tea break		

Date	Local Time ²⁵ (Niamey)	Topic	Facilitation	Notes
	16:15–17:30	Discussion on other ag-related modules: Goats, Sheep, Land map, Plot area, and Crop yield	TANGO	Q by Q discussion of the following modules: Goats, Sheep, Land map, Plot area, and Crop yield
Friday, Sept. 4 (Day 5)	Morning (prior to start of session)	Review of Day-2; Practice and role play using tablets		Supervisors and survey monitors will review materials from the previous day and role play using tablets to identify comments and questions to discuss with TANGO team.
	14:00–14:30	Recap of Day-4	TANGO	Discuss comments and questions on topics covered in Day-4
	14:30–16:00	Mock interviews with CAPI (all modules)	Break-out groups	CAPI training/practice running through full questionnaire skip logic
	16:00–16:15	Tea break		
	16:15–17:30	De-brief	TANGO	
Sunday, Sept. 6 (Day 6)	14:00–17:30	Review of Ag-modules Review of key concepts and definitions	TANGO	

Regionally based Enumerator Training (In-Person/Virtual)
(Kaya/Maradi/Zinder)
September 13–September 21

Table 7: Table Enumerator Training

Date	Local Time	Topic	Facilitation	Notes
Sunday, Sept. 13 (Day 1)	8:00–8:30	Registration	Bagna	
	8:30–8:45	Welcome and Introduction	Bagna	Introduction to Food for Peace (FFP); background on FFP population-based surveys; purpose of the baseline studies
	8:45–10:30	Discussion of FFP survey methodology General rules, norms, and guidance on survey implementation COVID-19 awareness, and mitigation strategies Overview of the paper questionnaire and respondent eligibility/selection		Discussion of sampling design, and field procedures Discussion of performance standards in interviewing Description of modules and respondent eligibility criteria
	10:30–10:45	Tea Break		
	10:45–11:30	Introduction to CAPI and ODK basics ODK Menu system Distribution of tablets		Tablets are distributed on the first day and a walk-through the ODK program is performed so that the rest of the training can continue on the tablet Participants will review the paper questionnaire and familiarize themselves with the tablet in preparation for the upcoming sessions
	11:30–12:30	Discussion on Module A and Module B	Bagna	Q by Q discussion of the following modules: Household identification and informed consent Household Roster
	12:30–13:30	Lunch		
	13:30–14:30	Practice and role play: Modules A and B	Bagna/IM	Practice and role play using tablets (break-out groups)
	14:30–15:00	De-brief: Modules A and B	Bagna/IM	Plenary session

Date	Local Time	Topic	Facilitation	Notes
	15:00–16:00	Discussion on Modules P, Q, C and R	Bagna	Q by Q discussion of the following modules: Activity Participation COVID—19 Food Consumption Score Social capital Government Responsiveness and Social Capital Group-based Savings and Credit
	16:00–16:30	Tea break		
	16:30–17:30	Practice and role play: Modules P, Q, C and R	Bagna/IM	Practice and role play using tablets (break-out groups)
	17:30–18:00	De-brief: Modules P, Q, C and R	Bagna/IM/TANGO	Plenary session with TANGO participating virtually

Date	Local Time	Topic	Facilitation	Notes
Monday, Sept. 14 (Day 2)	8:30–9:00	Recap of Day-1	Bagna	Discuss comments and questions on topics covered in Day-1
	9:00–9:45	Introduction to RFSA	ViMPlus, Hamzari, Girma, or Wadata (depending on the location of the training)	Background, strategic objectives of the RFSA and their activities (to increase contextual and conceptual understanding). IPs will share more detailed descriptions of their WASH and ag interventions in subsequent sessions.
	9:45–10:30	RFSA WASH Interventions	IP WASH Specialists	Detailed description of WASH-related interventions implemented in the RFSA
	10:30–10:45	Tea break		
	10:45–11:15	Discussion on Module F	Bagna	Q by Q discussion of the following module: Water, Sanitation, and Hygiene
	11:15–12:00	Practice and role play: Module F	Bagna/IM	Practice and role play using tablets (break-out groups)
	12:00–12:30	Debrief: Module F	Bagna/IM	Plenary session
	12:30–13:30	Lunch		
	13:30–16:00	Discussion on Modules D, E and J	Bagna	Q by Q discussion of the following modules: Children’s Feeding Practices and Diarrhea Women’s Dietary Diversity, ANC, CPR, and Family Planning Gender and Cash
	16:00–16:30	Tea		
	16:30–17:30	Practice and role play: Modules D, E, and J	Bagna/IM	Practice and role play using tablets (break-out groups)
	17:30–18:00	Debrief: Modules D, E, and J	Bagna/IM/TANGO	Plenary session with TANGO participating virtually

Date	Local Time	Topic	Facilitation	Notes
Tuesday, Sept. 15 (Day 3)	8:30–9:00	Recap of Day-2	Bagna	Discuss comments and questions on topics covered in Day-2
	9:00–9:30	Discussion on Modules KF/KM		Q by Q discussion of the following modules: Access to credit and Group Membership (Youngest woman in a union and Partner of youngest woman in a Union)
	9:30–10:00	Practice and role play: Modules KF/KM	Bagna/IM	Practice and role play using tablets (break-out groups)
	10:00–10:30	Debrief: Modules KF/KM	Bagna/IM	Plenary session with
	10:30–10:45	Tea break		
	10:45–11:45	IP Presentation on RFSA ag-related interventions	IP Ag Specialists	IP ag specialist to present ag-related interventions (ag practices, storage practices, NRM practices, etc..)
	11:45–12:30	Discussion on Module G – Ag practices	Bagna	Q by Q discussion of Module G
	12:30–13:30	Lunch		
	13:30–16:00	Discussion on ag-related modules: Module 7.90 – Land Map Module 7.91– Plot area Module 7.92 – Crop Yield Module 7.51– Goats Module 7.52– Sheep	Bagna	Q by Q discussion of ag-related modules
	16:00–16:30	Tea break		
	16:30–17:30	Practice and role play: ag-related modules	TANGO/Local firm/IM	Practice and role play using tablets (break-out groups)
	17:30–18:00	Debrief	Bagna/IM/TANGO	Plenary session with TANGO participating virtually

Date	Local Time	Topic	Facilitation	Notes
Wednesday, Sept. 16 (Day 4)	8:30–9:00	Recap of Day-3	Bagna	Discuss comments and questions on topics covered in Day-3
	9:00–10:30	Practice and role play: Module G	Bagna/IM	Practice and role play using tablets (break-out groups)
	10:30–10:45	Tea break		
	10:45–12:30	Debrief: Modules G, Land map, Plot area, Crop yield, Goats and Sheep	Bagna	Plenary session
	12:30–13:30	Lunch		
	13:30–16:00	Mock interviews in local languages with CAPI (all modules)	Bagna/IM	Break-out sessions CAPI training/practice running through full questionnaire skip logic and translating in other local languages
	16:00–16:30	Tea		
	16:30–17:30	Debrief	Bagna/IM/TAN GO	Plenary session with TANGO participating virtually
Thursday, Sept. 17 (Day 5)	8:30–10:30	Mock interviews in local languages with CAPI (all modules)	Bagna/IM	CAPI training/practice running through full questionnaire skip logic and translating in other local languages (break-out groups)
	10:30–10:45	Tea break		
	10:45–12:30	Discussion on issues after mock interviews	Bagna/IM	Plenary session
	12:30–13:30	Lunch		
	13:30–15:30	Mock interviews in local languages with CAPI (all modules)	Bagna/IM	CAPI training/practice running through full questionnaire skip logic and translating in other local languages (break-out groups)
	15:30–16:00	Review of managing tablets in the field/transferring data to team lead's tablets Practice finalizing work in a cluster	Bagna/IM	Supervisors and Team Leads only
	16:00–16:30	Tea break		
	16:30–18:30	Planning for the pretest	Bagna/IM/TAN GO	Planning for the pretest
Friday, Sept. 18 (Day 6)	8:30–16:30	Mock interviews in local languages with CAPI (all modules)	Bagna/IM	CAPI training/practice running through full questionnaire skip logic and translating in other local languages (break-out groups)
Saturday, Sept. 19 (Day 7)	7:30–9:00	Travel for field practice/pilot test	Bagna/IM	
	9:00–12:30	Field practice	Bagna/IM	
	12:30–14:30	Lunch break/Jumaa		

Date	Local Time	Topic	Facilitation	Notes
Sunday, Sept. 20 (Day 8)	14:30–15:30	Field practice	Bagna/IM	
	15:30–17:00	Travel back from field		
	8:30–10:30	Discussion on pilot test and adjustment	Bagna/IM	Pilot debriefing (review of questionnaire; feedback on administering survey; final changes to survey)
	10:30–10:45	Tea break		
	10:45–12:30	Discussion on field practice and adjustment (cont'd.)	Bagna/IM	Pilot debriefing
	12:30–14:00	Lunch		
	14:00–16:00	Discussion on field practice and adjustment (cont'd.)	Bagna/IM/TAN GO	Pilot debriefing
	16:00–16:30	Tea break		
	16:30–18:00	Field data collection planning	Bagna/IM/TANGO	Deployment plan/logistics
Monday, Sept. 21 (Day 9)	9:00–16:30	IP Presentation on RFSA Maternal and child health and nutrition (MCHN)-related interventions (all teams) IP presentation on risk and disaster management and security update (Burkina Faso only) Additional discussions on pilot test and logistics of fieldwork (all teams) Wrap-up training	IP MCHN Specialists ViMPlus Security Focal Point and Risk Disaster Manager (Burkina teams only) Bagna/IM	IP MCHN specialist to present MCHN-related interventions

ANNEX 1C: INFORMED CONSENT STATEMENT

The text below is excerpted from Module A of the questionnaire and indicates the informed consent language that will be used.

Introduction

Hello. My name is _____. I am working with Bagna Solutions on behalf of TANGO International. We are conducting a survey to learn about household characteristics, agriculture, food security, expenditures, and nutrition of women and children. Your household was selected to participate in an interview that may take up to two hours to complete. We will interview you and other members of your household as needed.

Your participation is completely voluntary. There are risks associated with participating in this survey because of the possibility of transmission of the coronavirus. The coronavirus can be spread through droplets in the air when an infected person coughs, sneezes or speaks, or by touching a contaminated surface and then touching your eyes, nose, or mouth before washing your hands. Our team will take precautions to mitigate the risk of spreading the virus, such as wearing a face covering, standing at least 1 meter apart throughout the interview and washing/sanitizing hands before and after.

There will be no benefit provided to you because of your participation. We hope you will agree to answer the questions since your views and experiences are important. If I ask you any questions you 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 penalized in any way.

Your privacy is important to us. No part of this interview is being recorded or videoed. If you agree to participate, some of the information you provide will be available on a public website that researchers and others will be able to access without identifying you. The information will be entered into a database that will NOT contain confidential information such as your name or the name of your village that could be used to identify you. Any data attached to your personal information will be stored in a password protected electronic format.

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 Bagna Solutions by calling [xxxxxxx]. 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?

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Module A. Identification and Informed Consent (Head of HH or Responsible Adult)

INFORMED CONSENT

A00: START TIME

:

HOUR

MINUTE

IT IS NECESSARY TO INTRODUCE THE HOUSEHOLD TO THE SURVEY AND OBTAIN THE CONSENT OF ALL RESPONDENTS. FIRST IDENTIFY THE HEAD OF HOUSEHOLD AND CONDUCT THE INFORMED CONSENT WITH HIM/HER. THEN BEGIN THE INTERVIEW. AS YOU IDENTIFY NEW RESPONDENTS FOR SUBSEQUENT MODULES, RETURN TO THIS PAGE AND OBTAIN THEIR CONSENT BEFORE INTERVIEWING THEM.

Hello. My name is _____. I am working with Bagna Solutions on behalf of TANGO International. We are conducting a survey to learn about household characteristics, agriculture, food security, expenditures, and nutrition of women and children. Your household was selected to participate in an interview that may take up to two hours to complete. We will interview you and other members of your household as needed.

Your participation is completely voluntary. There are risks associated with participating in this survey because of the possibility of transmission of the coronavirus. The coronavirus can be spread through droplets in the air when an infected person coughs, sneezes or speaks, or by touching a contaminated surface and then touching your eyes, nose, or mouth before washing your hands. Our team will take precautions to mitigate the risk of spreading the virus, such as wearing a face covering, standing at least 1 meter apart throughout the interview and washing/sanitizing hands before and after.

There will be no benefit provided to you because of your participation. We hope you will agree to answer the questions since your views and experiences are important. If I ask you any questions you 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 penalized in any way.

Your privacy is important to us. No part of this interview is being recorded or videoed. If you agree to participate, some of the information you provide will be available on a public website that researchers and others will be able to access without identifying you. The information will be entered into a database that will NOT contain confidential information such as your name or the name of your village that could be used to identify you. Any data attached to your personal information will be stored in a password protected electronic format.

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 Bagna Solutions by calling [xxxxxxx]. 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?

Do you have any questions about the study or about your participation?

You or other respondents can ask any questions you may have about the study at any time.

AS APPLICABLE, CHECK AND SIGN THE CONSENT BOX BELOW.

- Who is the head of the household?
[NAME], do you agree to participate in the survey?
NAME: _____ RESPONDENT AGREED _____ RESPONDENT DID NOT AGREE _____
- Who is the responsible adult (15 years or older) in the household?
[NAME], do you agree to participate in the survey?
NAME: _____ RESPONDENT AGREED _____ RESPONDENT DID NOT AGREE _____
- PRIMARY CAREGIVERS FOR CHILDREN UNDER FIVE YEARS OF AGE
[NAME], do you agree to participate in the survey and allow your child to be weighed and measured?
NAME: _____ RESPONDENT AGREED _____ RESPONDENT DID NOT AGREE _____
NAME: _____ RESPONDENT AGREED _____ RESPONDENT DID NOT AGREE _____
NO CHILDREN UNDER FIVE IN THE HOUSEHOLD _____

ADDITIONAL ELIGIBLE HOUSEHOLD MEMBERS		RESPONDENT AGREED	RESPONDENT DID NOT AGREE
4. NAME _____	Do you agree to participate in the survey?	_____	_____
5. NAME _____	Do you agree to participate in the survey?	_____	_____

My signature affirms that I have read the verbal informed consent statement to the respondent(s), and I have answered any questions asked about the study.

INTERVIEWER'S NAME AND CODE

SIGNATURE AND DATE

INTERVIEWER'S NAME AND CODE

SIGNATURE AND DATE

A26: END TIME

:

HOUR

MINUTE

MODULE B. HOUSEHOLD ROSTER (HEAD OF HH OR RESPONSIBLE ADULT)										B00: START TIME									
LINE NO.	USUAL RESIDENTS	RELATIONSHIP TO HEAD OF HOUSEHOLD	SEX	AGE	MARITAL STATUS	IF AGE 15 OR OLDER		IF UNDER 5 YEARS		IF AGE 15 OR OLDER									
						ELIGIBILITY													
						MODULE D	MODULE E	MODULE F	MODULE G	MODULE H	MODULE I	MODULE J	MODULE K	MODULE L	MODULE M	MODULE N			
B01	B02	B03	B04	B05	B06	B07	B07A	B08	B09	B10	B11	B12	B13F	B13M	B14				
	Please tell me the name and sex of each person who lives here, starting with the head of the household. For all other residents, 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 at least 6 months of the last 12 months, but it does not include anyone who lives here but eats separately.	What is the relationship of (NAME) to the head of the household?	Is (NAME) male or female?	How old is (NAME)?	What is (NAME)'s current marital status?	IS THIS PERSON UNDER 6 YEARS OF AGE?	Who is the primary caregiver of (NAME)?	Is (NAME) responsible for food preparation in the household?	IS THIS A WOMAN 15-49 YEARS OF AGE?	IS THIS PERSON THE HEAD OF THE HH OR A RESPONSIBLE ADULT IF HEAD OF HH IS ABSENT?	Has (NAME) done any work in the last 12 months?	During the last 12 months, was (NAME) usually paid in cash or kind for this work or was (NAME) not paid at all?	Is this the youngest woman married or living together?	Is (NAME) a farmer?					
	AFTER LISTING NAMES, RELATIONSHIP, SEX, AGE FOR EACH PERSON ASK QUESTIONS 2A-2C TO BE SURE ROSTER IS COMPLETE. THEN ASK QUESTIONS B06 TO B23 FOR EACH PERSON	SEE CODES BELOW.		IF 95 OR MORE, RECORD 95.	1 = MARRIED OR LIVING TOGETHER 2 = DIVORCED/SEPARATED 3 = WIDOWED 4 = NEVER MARRIED AND NEVER LIVED TOGETHER		SEE DEFINITION BELOW				"READ DEFINITION OF 'WORK' BELOW TO RESPONDENT."	1= CASH ONLY 2= CASH AND KIND 3= IN KIND ONLY 4= NOT PAID		"READ DEFINITION OF FARMER BELOW TO RESPONDENT"					
01		0 1	M F	1 2			Y N	Y N	Y N	Y N	Y N	Y N	Y N	Y N					
02			1 2				Y N	Y N	Y N	Y N	Y N	Y N	Y N	Y N					
03			1 2				Y N	Y N	Y N	Y N	Y N	Y N	Y N	Y N					
04			1 2				Y N	Y N	Y N	Y N	Y N	Y N	Y N	Y N					
05			1 2				Y N	Y N	Y N	Y N	Y N	Y N	Y N	Y N					
06			1 2				Y N	Y N	Y N	Y N	Y N	Y N	Y N	Y N					
07			1 2				Y N	Y N	Y N	Y N	Y N	Y N	Y N	Y N					
08			1 2				Y N	Y N	Y N	Y N	Y N	Y N	Y N	Y N					
09			1 2				Y N	Y N	Y N	Y N	Y N	Y N	Y N	Y N					
CODES FOR B03: RELATIONSHIP TO HEAD OF HOUSEHOLD 01 = HEAD 02 = WIFE OR HUSBAND 03 = SON OR DAUGHTER 04 = SON-IN-LAW OR DAUGHTER-IN-LAW 05 = GRANDCHILD 06 = PARENT 07 = PARENT-IN-LAW 08 = BROTHER OR SISTER 09 = OTHER RELATIVE 10 = ADOPTED/FOSTER/STEPCHILD 11 = NOT RELATED 98 = DON'T KNOW CODES FOR B06: RELATIONSHIP TO HEAD OF HOUSEHOLD 01 = HEAD 02 = WIFE OR HUSBAND 03 = SON OR DAUGHTER 04 = SON-IN-LAW OR DAUGHTER-IN-LAW 05 = GRANDCHILD 06 = PARENT 07 = PARENT-IN-LAW 08 = BROTHER OR SISTER 09 = OTHER RELATIVE 10 = ADOPTED/FOSTER/STEPCHILD 11 = NOT RELATED 98 = DON'T KNOW																			
2A) 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 → ADD TO TABLE NO → 2B) Are there any other people who may not be members of your family, such as domestic servants, lodgers, or friends who usually live here? YES → ADD TO TABLE NO → 2C) Does anyone else live here even if they are not at home now? INCLUDE CHILDREN IN SCHOOL OR HOUSEHOLD MEMBERS AT WORK OR YES → ADD TO TABLE NO →																			
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14			1 2				Y N	Y N	Y N	Y N	Y N	Y N	Y N	Y N					
15			1 2				Y N	Y N	Y N	Y N	Y N	Y N	Y N	Y N					
16			1 2				Y N	Y N	Y N	Y N	Y N	Y N	Y N	Y N					
17			1 2				Y N	Y N	Y N	Y N	Y N	Y N	Y N	Y N					
18			1 2				Y N	Y N	Y N	Y N	Y N	Y N	Y N	Y N					

IF AGE 5 YEARS OR OLDER		IF AGE 5-24 YEARS		IF HEAD OF HH OR RESPONSIBLE ADULT IF HH HEAD ABSENT																																																							
EVER ATTENDED SCHOOL		CURRENT/RECENT SCHOOL ATTENDANCE		HOUSEHOLD INTERNAL DISPLACEMENT STATUS	INDIVIDUAL INTERNAL DISPLACEMENT STATUS																																																						
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Has (NAME) ever attended grade (NAME) school?	What is the highest grade (NAME) completed?	Did (NAME) attend school at any time during the 2019-2020 school year?	During this school year, what grade is (NAME) attending?	Has your household moved to this village in the past 12 MONTHS to escape conflict in your home place?	Has this person joined the household in the past 12 MONTHS to escape conflict in their home place?																																																						
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GO TO MODULE C																																																											

Module C. FOOD CONSUMPTION SCORE (Person responsible for food preparation)			
NO.	QUESTIONS AND FILTERS	CODING CATEGORIES	
C00	INSERT TIME MODULE STARTED	HOUR	MINUTE
C01	CLUSTER CODE AND HOUSEHOLD NUMBER	CLUSTER	HH
C02	PERSON IN CHARGE OF FOOD PREPARATION FROM THE HOUSEHOLD ROSTER (B08) = 1) OR RESPONSIBLE ADULT	LINE NUMBER (B01)	
C03	OBTAIN CONSENT. DOES [NAME] AGREE TO PARTICIPATE IN THE SURVEY?	YES 1 NO 2 NOT AVAILABLE 3	☐ → C16
FCS QUESTIONS			
	Now I would like to ask you about the types of foods that you or the majority of household members ate during the past 7 days. READ THE QUESTION INSERTING THE NAME OF THE FOOD ITEM LISTED IN QUESTIONS C04 TO C15 AND RECORD THE RESPONSE IN THE BOXES PROVIDED.	How many days did you or members of your household eat during the past 7 days both inside and outside your home?	1= 1 day 2= 2 days 3= 3 days 4= 4 days 5= 5 days 6= 6 days 7= 7 days 9= Not consumed
C04	Any bread, biscuits, couscous, rice, pasta, cereals and other foods made from corn, rice, fonio, wheat (bulgur, doumé), sorghum, millet?	NUMBER OF DAYS	
C05	Any potatoes, yam, cassava, colocasia (mankani), sweet potatoe, miritchi, garin roggo or any other foods made from roots or tubers?	NUMBER OF DAYS	
C06	Any vegetables? (pumpkin, squash, etc.)	NUMBER OF DAYS	
C07	Any fruits? (watermelon, jackfruit, etc.)	NUMBER OF DAYS	
C08	Any beef, pork, lamb, goat, rabbit, field rats, wild game, chicken, duck, or other birds, liver, kidney, heart, or other organ meats?	NUMBER OF DAYS	
C09	Any eggs?	NUMBER OF DAYS	
C10	Any fresh or dried fish or shellfish?	NUMBER OF DAYS	
C11	Any foods made from beans, peas, lentils or nuts, such as peanuts, vouandzou, yadia, gonda, dum dan-wari, locust bean/soumbala?	NUMBER OF DAYS	
C12	Any cheese, yogurt, milk, or other milk products?	NUMBER OF DAYS	
C13	Any foods made with oil, fat, or butter?	NUMBER OF DAYS	
C14	Any sugar or honey?	NUMBER OF DAYS	
C15	Any other foods, such as condiments, coffee or tea?	NUMBER OF DAYS	
C16	INSERT TIME MODULE ENDED	HOUR	MINUTE → GO TO MODULE R

Module R. Social Capital (Head of HH or Responsible Adult)		
NO.	QUESTIONS AND FILTERS	CODING CATEGORIES
R00	INSERT TIME MODULE STARTED	HOUR MINUTE
R01	CLUSTER CODE AND HOUSEHOLD NUMBER	CLUSTER HH
R02	HEAD OF THE HOUSEHOLD OR RESPONSIBLE ADULT (B10 = 1) FROM HOUSEHOLD ROSTER	LINE NUMBER (B01)
R03	OBTAIN CONSENT. DOES [NAME] AGREE TO PARTICIPATE IN THE SURVEY?	YES 1 NO 2 NOT AVAILABLE 3 ☐ → R17
GOVERNMENT RESPONSIVENESS AND SOCIAL CAPITAL		
R04	Do you believe your local government will help the community cope with difficult times in the future, for example during [INSERT COUNTRY-SPECIFIC SHOCKS]?	YES 1 NO 2 DON'T KNOW 3
R05	During difficult times, will your household be able to lean on relatives living in your community ?	YES 1 NO 2 DON'T KNOW 3 ☐ → R07
R06	Will the same relatives living in your community that you will be able to lean on during your difficult times also be able to lean on you for financial or food support during their difficult times?	YES 1 NO, THEY WON'T NEED TO 2 NO, THEY WON'T BE ABLE TO 3
R07	During difficult times, will your household be able to lean on relatives living outside your community ?	YES 1 NO 2 DON'T KNOW 3 ☐ → R09
R08	Will the same relatives living outside your community that you will be able to lean on during your difficult times also be able to lean on you for financial or food support during their difficult times?	YES 1 NO, THEY WON'T NEED TO 2 NO, THEY WON'T BE ABLE TO 3
R09	During difficult times, will your household be able to lean on non-relatives living in your community ?	YES 1 NO 2 DON'T KNOW 3 ☐ → R11
R10	Will the same non-relatives living in your community that you will be able to lean on during your difficult times also be able to lean on you for financial or food support during their difficult times?	YES 1 NO, THEY WON'T NEED TO 2 NO, THEY WON'T BE ABLE TO 3
R11	During difficult times, will your household be able to lean on non-relatives living outside your community ?	YES 1 NO 2 DON'T KNOW 3 ☐ → R13
R12	Will the same non-relatives living outside your community that you will be able to lean on during your difficult times also be able to lean on you for financial or food support during their difficult times?	YES 1 NO, THEY WON'T NEED TO 2 NO, THEY WON'T BE ABLE TO 3
GROUP-BASED SAVINGS AND CREDIT		
R13	Do you or any other household member regularly save cash?	YES 1 NO 2 DON'T KNOW 3 ☐ → R15
R14	Where are the savings primarily held?	AT HOME 1 MFI (CREDIT UNION) 2 VILLAGE SAVINGS/CREDIT GROUP 3 BANK 4 MOBILE BANKING 5 OTHER 6 DON'T KNOW 8
R15	Has anyone in your household taken any loans or borrowed cash/in-kind in the past 12 months?	YES 1 NO 2 DON'T KNOW 3 ☐ → R17
R16	From where was the loan or cash borrowed? SELECT ALL THAT APPLY.	NON-GOVERNMENTAL ORGANIZATION 1 INFORMAL LENDER 2 FORMAL LENDER (BANK) 3 FRIENDS OR RELATIVE 4 GROUP-BASED FINANCE OR LENDING 5 INFORMAL CREDIT/SAVINGS GROUP 6 OTHER 7 DON'T KNOW 8
R17	INSERT TIME MODULE ENDED	HOUR MINUTE → GO TO MODULE F

Module F. Water, Sanitation and Hygiene (Head of HH or Responsible Adult)						
NO.	QUESTIONS AND FILTERS	CODING CATEGORIES			SKIP	
F00	INSERT TIME MODULE STARTED	HOUR	[][]	MINUTE	[][]	
F01	CLUSTER CODE AND HOUSEHOLD NUMBER	CLUSTER	[][][]	HH	[][][]	
F02A	HEAD OF THE HOUSEHOLD OR RESPONSIBLE ADULT (B10 = 1) FROM HOUSEHOLD ROSTER	LINE NUMBER (B01)	[][]			
F02B	OBTAIN CONSENT. DOES [NAME] AGREE TO PARTICIPATE IN THE SURVEY?	YES				1
		NO				2
		NOT AVAILABLE				3
DRINKING WATER						
F04	What is currently the main source of drinking water for members of your household?	PIPED WATER PIPED INTO DWELLING 11 PIPED TO YARD/PLOT 12 PIPED TO NEIGHBOR 13 PUBLIC TAP/STANDPIPE 14 TUBEWELL OR BOREHOLE 21 DUG WELL PROTECTED WELL 31 UNPROTECTED WELL 32 WATER FROM SPRING PROTECTED SPRING 41 UNPROTECTED SPRING 42 RAINWATER 51 ROCK CATCHMENTS 52 TANKER TRUCK 61 CART WITH SMALL TANK 71 SURFACE WATER (RIVER/DAM/ LAKE/POND/STREAM/CANAL/IRRIGATION CHANNEL) . 81 BOTTLED WATER 91 OTHER 96 (SPECIFY) _____				
F05	Where is that water source located?	IN OWN DWELLING 1 IN OWN YARD/PLOT 2 ELSEWHERE 3				
F06	How long does it take to go there, get water, and come back?	MINUTES [][][] DON'T KNOW 998				
F07	Is water available from this source all year round?	YES 1 NO 2 DON'T KNOW 8				
F08	In the last two weeks, was water <u>unavailable</u> from this source for a day or longer?	YES 1 NO 2 DON'T KNOW 8				
F09	Do you do anything to the water to make it safer to drink?	YES 1 NO 2 DON'T KNOW 8				
F10A	What types of containers do you usually use to collect water for your household? SHOW PICTURES TO RESPONDENT IF MORE THAN ONE TYPE OF CONTAINER IS USUALLY USED, RECORD ALL THAT APPLY.	Small jerry can (Less than 20 liters) 1 Large jerry can (20 liter) 2 Small bucket (5-9 liter) 3 Large bucket (10-20 liter) 4 Clay jars or pots (10-20 liter) 5 Large rolling container (90 liter) 6 Large plastic drum (150-200 liter) 7 OTHER 8 (SPECIFY) _____ Do not collect water 9				
F10B	How many of these containers do you usually fill when collecting water for your household? REPEAT QUESTION 10B FOR EACH TYPE OF CONTAINER REPORTED IN 10A	Number of containers [][]				
F10C	How often do you usually fill the containers? REPEAT QUESTION 10C FOR EACH TYPE OF CONTAINER REPORTED IN 10A	Twice every day 1 Once every day 2 Once every other day 3 Once every third day 4 OTHER 6 (SPECIFY) _____				

Module F. Water, Sanitation and Hygiene (Head of HH or Responsible Adult)			
NO.	QUESTIONS AND FILTERS	CODING CATEGORIES	SKIP
SANITATION			
F11	What kind of toilet facility do members of your household usually use ? IF RESPONDENT CANNOT GIVE CLEAR RESPONSE, THEN OBSERVE THE TOILET AND RECORD THE CORRECT RESPONSE.	FLUSH OR POUR FLUSH TOILET FLUSH TO PIPED SEWER SYTEM 11 FLUSH TO SEPTIC TANK 12 FLUSH TO PIT LATRINE 13 FLUSH TO SOMEWHERE ELSE 14 FLUSH, DON'T KNOW WHERE 15 PIT LATRINE VENTILATED IMPROVED PIT LATRIN 21 PIT LATRINE WITH SLAB 22 PIT LATRINE WITHOUT SLAB/OPEN PIT 23 COMPOSTING TOILET 31 BUCKET TOILET 41 HANGING TOILET/HANGING LATRINE 51 NO FACILITY/BUSH/FIELD 71 OTHER 96 (SPECIFY) _____	→ F14
F12	Does your household share the toilet facility with other households?	YES 1 NO 2	
HANDWASHING			
F14	Please show me where members of your household most often wash their hands.	OBSERVED 1 NOT OBSERVED, NOT IN DWELLING/YARD/PLOT 2 NOT OBSERVED, NO PERMISSION TO SEE 3 NOT OBSERVED, OTHER REASON 4 (SKIP TO F17) ←	
F15	OBSERVATION ONLY: OBSERVE PRESENCE OF WATER AT THE PLACE FOR HANDWASHING.	WATER IS AVAILABLE 1 WATER IS NOT AVAILABLE 2	
F16	OBSERVATION ONLY: OBSERVE PRESENCE OF SOAP, DETERGENT, OR OTHER CLEANSING AGENT AT THE PLACE FOR HANDWASHING.	SOAP, ASH OR DETERGENT (BAR, LIQUID, POWDER, PASTE) 1 MUD, SAND 2 OTHER CLEANSING AGENT 3 NONE 4	
F17	What are the important moments to wash hands? [MULTIPLE ANSWERS POSSIBLE] RECORD ALL THE ANSWERS GIVEN BY THE RESPONDENT. DO NOT READ THE ANSWERS.	BEFORE EATING A AFTER EATING B BEFORE PRAYING C BEFORE BREASTFEEDING OR FEEDING THE CHILD D BEFORE COOKING OR PREPARING FOOD E AFTER USING THE TOILET / LATRINE F AFTER CLEANING OR CHANGING THE DIAPER OF A CHILD WHO DEFECATED G WHEN MY HANDS ARE DIRTY H AFTER CLEANING THE TOILET OR POT I OTHERS (SPECIFY) X DON'T KNOW Z	
F18	INSERT TIME MODULE FINISHED	HOUR MINUTE → GO TO MODULE Q	

Module Q. COVID-19 Impacts and Coping Strategies (Head of HH or Responsible Adult)			
NO.	QUESTIONS AND FILTERS	CODING CATEGORIES	SKIP
Q00	INSERT TIME MODULE STARTED	HOUR MINUTE	
Q01	CLUSTER CODE AND HOUSEHOLD NUMBER	CLUSTER HH	
Q02A	HEAD OF THE HOUSEHOLD OR RESPONSIBLE ADULT (B10 = 1) FROM HOUSEHOLD ROSTER	LINE NUMBER (B01)	
Q02B	OBTAIN CONSENT. DOES [NAME] AGREE TO PARTICIPATE IN THE SURVEY?	YES 1 NO 2 NOT AVAILABLE 3	☐ Q09
Now I would like to ask you some questions about SARS coronavirus 2, also referred to as COVID-19 or "The COVID."			
Q03	Have you heard of SARS coronavirus 2, also referred to as COVID-19 or "The COVID"?	YES 1 NO 2 DON'T KNOW 3	☐ Q09
Q04	Do you do anything to protect yourself or others from COVID-19?	YES 1 NO 2	☐ Q06
Q05	What do you do to protect yourself or others from the virus? [MULTIPLE RESPONSES POSSIBLE] RECORD ALL ANSWERS. DO NOT READ THE ANSWERS.	HANDWASHING WITH WATER AND SOAP 1 WEARING A FACE COVER OR MASK 2 MAINTAINING ONE METER DISTANCE FROM OTHERS 3 LIMITING CONTACT WITH NON-HOUSEHOLD MEMBERS / OTHERS IN THE COMMUNITY 4 OTHER 96 (SPECIFY)	
Q06	How has COVID-19 affected your household's livelihoods/income? [MULTIPLE RESPONSES POSSIBLE] RECORD ALL ANSWERS. DO NOT READ THE ANSWERS.		
	COVID-19 LIVELIHOODS IMPACTS INABILITY TO ACCESS MARKET TO BUY INPUTS (RESTRICTIONS OR MARKET CLOSED) 1 INABILITY TO ACCESS MARKET TO SELL LIVESTOCK AND LIVESTOCK PRODUCTS (MOVEMENT RESTRICTIONS OR MARKET CLOSED) 2 INABILITY TO FARM AND/OR CARE FOR LIVESTOCK DUE TO SICKNESS OF HH MEMBER 3 CONSTRAINED ACCESS TO FARMLAND 4 CONSTRAINED ACCESS TO GRAZING PASTURE 5 CONSTRAINED ACCESS TO WATER 6 SHORTAGE OF CROP INPUTS (SEEDS, FERTILIZER, PESTICIDES) 7 SHORTAGE OF LIVESTOCK INPUTS (FEED AND VETERINARY SERVICES) 8 INCREASE IN PRICE OF CROP INPUTS 9 INCREASE IN PRICE OF LIVESTOCK INPUTS 10 INCREASE IN TRANSPORTATION COSTS 11 INCREASE IN STORAGE COSTS 12 DECREASE IN PRICE OF PRODUCTS SOLD 13 INCREASE IN PRICE OF PRODUCTS SOLD 14 DECREASE IN DEMAND FOR PRODUCTS 15 DIFFICULTY ACCESSING FINANCIAL SERVICES AND CREDIT 16 LABOR SHORTAGES (LACK OF LABOR TO HELP WITH FARMING, HERDING, AND PROCESSING) 17 INABILITY TO ENGAGE WITH OTHER COMMUNITY MEMBERS IN ASSET-BUILDING ACTIVITIES 18 LOST EMPLOYMENT 19 LOOTING/THEFT 20 NO LONGER RECEIVING REMITTANCES 21 INABILITY TO ACCESS HEALTH CARE 22 ILLNESS 23 DEATH 24 REDUCTION IN INCOME 25 INABILITY TO REPAY LOANS 26 OTHER (SPECIFY) 96 NOT APPLICABLE/ IT HAS NOT AFFECTED OUR HOUSEHOLD'S LIVELIHOOD 97 DON'T KNOW/REFUSED 98		☐ Q08

Module Q. COVID-19 Impacts and Coping Strategies (Head of HH or Responsible Adult)			
NO.	QUESTIONS AND FILTERS	CODING CATEGORIES	SKIP
Q07	How has your household coped with the impacts of COVID-19 on your livelihoods/income? [MULTIPLE RESPONSES POSSIBLE] RECORD ALL ANSWERS. DO NOT READ THE ANSWERS. COPING STRATEGIES RESPONSE CODES LIVESTOCK AND LAND HOLDINGS 1. SENT LIVESTOCK IN SEARCH OF PASTURE 2. SOLD LIVESTOCK 2A. SOLD LIVESTOCK AT LOWER PRICE (NO DEMAND DUE TO LOCKDOWNS OR OTHER RESTRICTIONS) 3. SLAUGHTERED LIVESTOCK 4. LEASED OUT LAND CROPS A. THREW OUT UNSOLD CROPS B. DONATED/GIFT UNSOLD CROPS C. STORED UNSOLD CROPS D. CONSUMED FOOD THAT IN NORMAL TIMES WOULD SELL E. SOLD FOOD AT A LOWER PRICE (NO DEMAND DUE TO LOCKDOWNS OR OTHER RESTRICTIONS) MIGRATION 5. MIGRATE (ONLY SOME FAMILY MEMBERS) 6. MIGRATE (THE WHOLE FAMILY) 7. SENT CHILDREN OR AN ADULT TO STAY WITH RELATIVES/OTHERS REDUCE CURRENT EXPENDITURE 8. TOOK CHILDREN OUT OF SCHOOL 9. MOVED TO LESS EXPENSIVE HOUSING 10. REDUCED FOOD CONSUMPTION (QUANTITY/MEAL; # MEAL/DAY) 11. REDUCED NON-ESSENTIAL HH EXPENSES 12. GOT FOOD ON CREDIT FROM A LOCAL MERCHANT ACQUIRING MORE FOOD OR MONEY 13. TOOK UP NEW/ADDITIONAL WORK (CASUAL LABOR, WAGE LABOR) 14. SOLD HOUSEHOLD ITEMS (E.G., RADIO, BED) 15. SOLD PRODUCTIVE ASSETS (E.G., PLOUGH, WATER PUMP) 16. TOOK OUT A LOAN (WITH INTEREST) FROM A (FORMAL) BANK 17. TOOK OUT A LOAN (WITH INTEREST) FROM AN MFI/RUSACCO 18. TOOK OUT A LOAN (WITH INTEREST) FROM A MONEY-LENDER 19. TOOK OUT A LOAN (NO INTEREST) FROM FRIENDS OR RELATIVES WITHIN THE COMMUNITY 20. TOOK OUT A LOAN (NO INTEREST) FROM FRIENDS OR RELATIVES OUTSIDE OF THE COMMUNITY 21. UNCONDITIONAL GIFT OF MONEY (NOT REMITTANCES) OR FOOD FROM FAMILY, FRIENDS, CHURCH/MOSQUE, OR OTHER GROUP WITHIN COMMUNITY 22. UNCONDITIONAL GIFT OF MONEY (NOT REMITTANCES) OR FOOD FROM FAMILY, FRIENDS, CHURCH/MOSQUE OR OTHER GROUP OUTSIDE OF COMMUNITY 23. SENT CHILDREN TO WORK FOR MONEY (E.G., DOMESTIC SERVICE) 24. RECEIVED EMERGENCY FOOD AID FROM THE GOVERNMENT OR NGO 25. RECEIVED EMERGENCY CASH TRANSFER FROM THE GOVERNMENT OR NGO 26. RECEIVED PERMANENT DIRECT SUPPORT FOOD FROM THE GOVERNMENT OR NGO 27. RECEIVED PERMANENT DIRECT SUPPORT CASH TRANSFER FROM THE GOVERNMENT OR NGO 28. PARTICIPATED IN GOVERNMENT OR NGO FOOD-FOR-WORK OR CASH-FOR-WORK ACTIVITIES (CONDITIONAL) 29. USED SAVINGS TO BUY LIVESTOCK 30. USED SAVINGS TO BUY PRODUCTIVE INPUTS 31. USED SAVINGS TO PAY FOR HEALTH-CARE EXPENSES 32. USED SAVINGS TO FEED THE FAMILY 33. USED SAVINGS TO PAY FOR EDUCATION COSTS 34. USED OWN SAVINGS TO PAY FOR OTHER HOUSEHOLD NECESSITIES 35. USED OWN SAVINGS TO PAY FOR REPAIRS TO DWELLING OR STRUCTURES 36. RELIED ON REMITTANCES FROM A RELATIVE THAT MIGRATED CORONAVIRUS-SPECIFIC C1. QUARANTINE C2. USED PHYSICAL SEPARATION TO DISTANCE SICK MEMBER FROM OTHERS C3. AVOIDED CONTACT WITH SICK MEMBER C4. WASHED HANDS WITH WATER AND SOAP C5. WASHED HANDS MORE FREQUENTLY C6. SOUGHT HELP AT A HEALTH CLINIC OTHER 37. OTHER (SPECIFY _____) 38. DID NOTHING 39. ENGAGED IN SPIRITUAL EFFORTS (E.G., PRAYED, SACRIFICES, ETC.)		
Q08	How has COVID-19 affected your household's food security? [MULTIPLE RESPONSES POSSIBLE] RECORD ALL ANSWERS. DO NOT READ THE ANSWERS. COVID-19 FOOD SECURITY IMPACTS MOVEMENT RESTRICTIONS OR MARKET CLOSED 1 TRANSPORTATION COSTS TOO EXPENSIVE/NO PUBLIC TRANSPORT 2 TRADERS ARE ABSENT FROM THE MARKETS 3 PRODUCTS NOT AVAILABLE IN THE MARKET 4 PRICE OF FOODS INCREASED 5 DELAY IN FOOD/CASH TRANSFER 6 OTHER (SPECIFY) 96 NOT APPLICABLE/ IT HAS NOT AFFECTED OUR HOUSEHOLD'S FOOD ACCESS 97 DON'T KNOW/REFUSED 98		NEXT MODULE

Module Q. COVID-19 Impacts and Coping Strategies (Head of HH or Responsible Adult)			
NO.	QUESTIONS AND FILTERS	CODING CATEGORIES	SKIP
Q09	How has your household coped with the impacts of COVID-19 on your food security? [MULTIPLE RESPONSES POSSIBLE] RECORD ALL ANSWERS. DO NOT READ THE ANSWERS. COPING STRATEGIES RESPONSE CODES LIVESTOCK AND LAND HOLDINGS 1. SENT LIVESTOCK IN SEARCH OF PASTURE 2. SOLD LIVESTOCK 2A. SOLD LIVESTOCK AT LOWER PRICE 3. SLAUGHTERED LIVESTOCK 4. LEASED OUT LAND SEEDS A. CONSUMED SAVED SEEDS B. CONSUMED SAVED CROPS FROM HOUSEHOLD'S PRIOR HARVEST MIGRATION 5. MIGRATE (ONLY SOME FAMILY MEMBERS) 6. MIGRATE (THE WHOLE FAMILY) 7. SENT CHILDREN OR AN ADULT TO STAY WITH RELATIVES/OTHERS REDUCE CURRENT EXPENDITURE 8. TOOK CHILDREN OUT OF SCHOOL 9. MOVED TO LESS EXPENSIVE HOUSING 10. REDUCED FOOD CONSUMPTION (QUANTITY/MEAL; # MEAL/DAY) 11. REDUCED NON-ESSENTIAL HH EXPENSES 12. GOT FOOD ON CREDIT FROM A LOCAL MERCHANT ACQUIRING MORE FOOD OR MONEY 13. TOOK UP NEW/ADDITIONAL WORK (CASUAL LABOR, WAGE LABOR) 14. SOLD HOUSEHOLD ITEMS (E.G., RADIO, BED) 15. SOLD PRODUCTIVE ASSETS (E.G., PLOUGH, WATER PUMP) 16. TOOK OUT A LOAN (WITH INTEREST) FROM A (FORMAL) BANK 17. TOOK OUT A LOAN (WITH INTEREST) FROM AN MFI/RUSACCO 18. TOOK OUT A LOAN (WITH INTEREST) FROM A MONEY-LENDER 19. TOOK OUT A LOAN (NO INTEREST) FROM FRIENDS OR RELATIVES WITHIN THE COMMUNITY 20. TOOK OUT A LOAN (NO INTEREST) FROM FRIENDS OR RELATIVES OUTSIDE OF THE COMMUNITY 21. UNCONDITIONAL GIFT OF MONEY (NOT REMITTANCES) OR FOOD FROM FAMILY, FRIENDS, CHURCH/MOSQUE, OR OTHER GROUP WITHIN COMMUNITY 22. UNCONDITIONAL GIFT OF MONEY (NOT REMITTANCES) OR FOOD FROM FAMILY, FRIENDS, CHURCH/MOSQUE OR OTHER GROUP OUTSIDE OF COMMUNITY 23. SENT CHILDREN TO WORK FOR MONEY (E.G., DOMESTIC SERVICE) 24. RECEIVED EMERGENCY FOOD AID FROM THE GOVERNMENT OR NGO 25. RECEIVED EMERGENCY CASH TRANSFER FROM THE GOVERNMENT OR NGO 26. RECEIVED PERMANENT DIRECT SUPPORT FOOD FROM THE GOVERNMENT OR NGO 27. RECEIVED PERMANENT DIRECT SUPPORT CASH TRANSFER FROM THE GOVERNMENT OR NGO 28. PARTICIPATED IN GOVERNMENT OR NGO FOOD-FOR-WORK OR CASH-FOR-WORK ACTIVITIES (CONDITIONAL) 29. USED SAVINGS TO BUY LIVESTOCK 30. USED SAVINGS TO BUY PRODUCTIVE INPUTS 31. USED SAVINGS TO PAY FOR HEALTH-CARE EXPENSES 32. USED SAVINGS TO FEED THE FAMILY 33. USED SAVINGS TO PAY FOR EDUCATION COSTS 34. USED OWN SAVINGS TO PAY FOR OTHER HOUSEHOLD NECESSITIES 35. USED OWN SAVINGS TO PAY FOR REPAIRS TO DWELLING OR STRUCTURES 36. RELIED ON REMITTANCES FROM A RELATIVE THAT MIGRATED OTHER 37. OTHER (SPECI _____) 38. DID NOTHING 39. ENGAGED IN SPIRITUAL EFFORTS (E.G., PRAYED, SACRIFICES, ETC.)		
Q09	INSERT TIME MODULE FINISHED	HOUR MINUTE	GO TO MODULE P

Module P. Activity Participation (Head of HH or Responsible Adult)			
NO.	QUESTIONS AND FILTERS	CODING CATEGORIES	
P00	INSERT TIME MODULE STARTED	HOUR	MINUTE
P01	CLUSTER AND HOUSEHOLD NUMBER	CLUSTER	HH
P02A	HEAD OF HOUSEHOLD OR RESPONSIBLE ADULT (B10 = 1) FROM HOUSEHOLD ROSTER	LINE NUMBER (B01)	
P02B	OBTAIN CONSENT. DOES [NAME] AGREE TO PARTICIPATE IN THE SURVEY?	YES 1 NO 2 NOT AVAILABLE 3	 P04
Now I would like to ask you some questions about your household social assistance participation.			
P03	Have you or someone in your household participated in [Girma/Hamzari/Wadata]? USE PROBES.	YES 1 NO 2 DON'T KNOW 8	
P03A	Did you or a member of your household receive food rations?	YES 1 NO 2	
P03B	Did you or a member of your household participate in nutrition training/ meetings?	YES 1 NO 2	
P03C	Did you or a member of your household participate in agriculture related training/meetings?	YES 1 NO 2	
P03D	Did you or a member of your household participate in trainings or events on open defecation, sanitation, hygiene, water quality, or hand-washing?	YES 1 NO 2	
P03E	Have you participated in any other activities?	YES 1 NO 2	
P04	MODULE END TIME HOUR MINUTE	 GO TO MODULE D	

Module D. Children's Feeding Practices and Diarrhea (Primary Caregivers)				
D00	INSERT TIME MODULE STARTED	HOUR	MINUTE	
D01	CLUSTER CODE AND HOUSEHOLD NUMBER	CLUSTER	HH	
NO.	QUESTIONS AND FILTERS	FIRST ELIGIBLE CHILD FROM ROSTER NAME	SECOND ELIGIBLE CHILD FROM ROSTER NAME	THIRD ELIGIBLE CHILD FROM ROSTER NAME
D02	CHILD UNDER 6 YEARS OLD (B07= 1) FROM THE HOUSEHOLD ROSTER	LINE NO. CHILD (B01)	LINE NO. CHILD (B01)	LINE NO. CHILD (B01)
D03A	CAREGIVER'S LINE NUMBER FROM THE HOUSEHOLD ROSTER (B07A)	LINE NO. CAREGIVER	LINE NO. CAREGIVER	LINE NO. CAREGIVER
D03B	OBTAIN CONSENT. DOES [NAME] AGREE TO PARTICIPATE IN THE SURVEY?	YES 1 NO 2 (SKIP TO D57) ← NOT AVAILABLE 3	YES 1 NO 2 (SKIP TO D57) ← NOT AVAILABLE 3	YES 1 NO 2 (SKIP TO D57) ← NOT AVAILABLE 3
D04	What is [CHILD NAME]'s sex?	MALE 1 FEMALE 2	MALE 1 FEMALE 2	MALE 1 FEMALE 2
D05	I would like to ask you some questions about [CHILD'S NAME]. Does [CHILD'S NAME] have a health/vaccination card or other document with the birth date recorded? IF A DOCUMENT WITH THE BIRTHDATE IS SHOWN RECORD THE DAY, MONTH AND YEAR AS DOCUMENTED. RECORD AGE IN YEARS IN D06 IF A DOCUMENT WITH THE BIRTHDATE IS NOT SHOWN THEN ASK: In what month and year was [CHILD'S NAME] born? What is [HIS/HER] birthday? RECORD BIRTH DAY, MONTH AND YEAR IF THE CAREGIVER DOES NOT KNOW THE EXACT DAY OF BIRTH, ENTER "98", INDICATING "DON'T KNOW" FOR DAY. YOU DO NOT NEED TO PROBE FURTHER FOR DAY OF BIRTH. NOTE THAT YOU ARE NOT ALLOWED TO ENTER "DON'T KNOW" FOR MONTH OR YEAR OF BIRTH.	DAY MONTH YEAR	DAY MONTH YEAR	DAY MONTH YEAR
D06	How old was [CHILD'S NAME] at [HIS/HER] last birthday? RECORD AGE IN COMPLETED YEARS	YEARS	YEARS	YEARS
D07	How many months old is [CHILD'S NAME]? RECORD AGE IN COMPLETED MONTHS	MONTHS	MONTHS	MONTHS
	CHECK D05, D06, AND D07 TO VERIFY CONSISTENCY. A) IS THE YEAR RECORDED IN D05 CONSISTENT WITH THE AGE IN YEARS RECORDED IN D06? B) ARE YEAR AND MONTH OF BIRTH RECORDED IN D05 CONSISTENT WITH AGE IN MONTHS RECORDED IN D07? USE BIRTHDATE CONVERSION TABLE TO CHECK. IF THE ANSWER TO A OR B IS "NO" RESOLVE ANY INCONSISTENCIES.			
DIET OF MINIMUM DIVERSITY				
D14	CHECK D07: IS THE CHILD UNDER 60 MONTHS (5 YEARS)?	YES 1 NO 2 (GO TO D02 FOR NEXT CHILD OR TO D56 IF NO MORE CHILDREN) ← DON'T KNOW 8	YES 1 NO 2 (GO TO D02 FOR NEXT CHILD OR TO D56 IF NO MORE CHILDREN) ← DON'T KNOW 8	YES 1 NO 2 (GO TO D02 ON NEW PAGE FOR NEXT CHILD OR TO D56 IF NO MORE CHILDREN) ← DON'T KNOW 8

NO.	QUESTIONS AND FILTERS	FIRST ELIGIBLE CHILD FROM ROSTER	SECOND ELIGIBLE CHILD FROM ROSTER	THIRD ELIGIBLE CHILD FROM ROSTER
D02	CHILD UNDER 6 YEARS OLD (B07= 1) FROM THE HOUSEHOLD ROSTER	NAME LINE NO. CHILD (B01)	NAME LINE NO. CHILD (B01)	NAME LINE NO. CHILD (B01)
D15	CHECK D07: IS THE CHILD UNDER 24 MONTHS (2 YEARS)?	YES 1 NO 2 (SKIP TO D52) DON'T KNOW 8	YES 1 NO 2 (SKIP TO D52) DON'T KNOW 8	YES 1 NO 2 (SKIP TO D52) DON'T KNOW 8
D16	Has [CHILD'S NAME] ever been breastfed?	YES 1 NO 2 (SKIP TO D18) DON'T KNOW 8	YES 1 NO 2 (SKIP TO D18) DON'T KNOW 8	YES 1 NO 2 (SKIP TO D18) DON'T KNOW 8
D17	Was [CHILD'S NAME] breastfed yesterday during the day or at night?	YES 1 (SKIP TO D32) NO 2 DON'T KNOW 8	YES 1 (SKIP TO D32) NO 2 DON'T KNOW 8	YES 1 (SKIP TO D32) NO 2 DON'T KNOW 8
D18	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 for various reasons, such as the mother is sick or away, mastitis, etc. Did [CHILD'S NAME] consume breast milk in any of these ways yesterday during the day or at night?	YES 1 NO 2 DON'T KNOW 8	YES 1 NO 2 DON'T KNOW 8	YES 1 NO 2 DON'T KNOW 8
D32	Now I would like to ask you about (other) liquids or foods that (NAME) 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 (NAME) 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 chilies, spices, herbs, or fish powder), I will ask you about those foods separately. Yesterday, during the day or at night, did [CHILD'S NAME] eat any (ASK QUESTIONS D33A-D49)?			
D33	Cereal-based foods such as bread, couscous, rice, pasta, porridge, cereals and other foods made from corn, rice, fonio, wheat (bulgur doume), sorghum, millet?	YES 1 NO 2 DON'T KNOW 8	YES 1 NO 2 DON'T KNOW 8	YES 1 NO 2 DON'T KNOW 8
D34	Pumpkin, carrots, squash, orange flesh sweet potatoes, yams, gonda or any other dark yellow or orange fleshed roots, tubers and vegetables?	YES 1 NO 2 DON'T KNOW 8	YES 1 NO 2 DON'T KNOW 8	YES 1 NO 2 DON'T KNOW 8
D35	White potatoes, white yams, white sweet potato, cassava or any other foods made from roots?	YES 1 NO 2 DON'T KNOW 8	YES 1 NO 2 DON'T KNOW 8	YES 1 NO 2 DON'T KNOW 8
D36A	Any dark green leafy vegetables such as spinach, lettuce, sorrel, molohiya, baobab leaves (Kouka), yodo, okra leaves, Moringa tchapatta or cowpea leaves?	YES 1 NO 2 DON'T KNOW 8	YES 1 NO 2 DON'T KNOW 8	YES 1 NO 2 DON'T KNOW 8
D36B	Any other vegetables, like cucumbers, tomatoes, cauliflower, cabbage, broccoli, eggplant, okra, green beans etc.?	YES 1 NO 2 DON'T KNOW 8	YES 1 NO 2 DON'T KNOW 8	YES 1 NO 2 DON'T KNOW 8
D37A	Ripe mangoes, ripe papaya, melon, passionfruit or other fruits that are dark yellow or orange inside?	YES 1 NO 2 DON'T KNOW 8	YES 1 NO 2 DON'T KNOW 8	YES 1 NO 2 DON'T KNOW 8

NO.	QUESTIONS AND FILTERS	FIRST ELIGIBLE CHILD FROM ROSTER NAME	SECOND ELIGIBLE CHILD FROM ROSTER NAME	THIRD ELIGIBLE CHILD FROM ROSTER NAME
D02	CHILD UNDER 6 YEARS OLD (B07= 1) FROM THE HOUSEHOLD ROSTER	LINE NO. CHILD (B01)	LINE NO. CHILD (B01)	LINE NO. CHILD (B01)
D37B	Any other fruits like watermelon, tamarind, or jackfruit?	YES 1 NO 2 DON'T KNOW 8	YES 1 NO 2 DON'T KNOW 8	YES 1 NO 2 DON'T KNOW 8
D38A	Any liver, kidney, heart, blood or other organ meats from domesticated animals such as cow, pig, goat, chicken or duck?	YES 1 NO 2 DON'T KNOW 8	YES 1 NO 2 DON'T KNOW 8	YES 1 NO 2 DON'T KNOW 8
D38B	Any meat from domesticated animals, such as beef, pork, lamb, goat, chicken, or duck?	YES 1 NO 2 DON'T KNOW 8	YES 1 NO 2 DON'T KNOW 8	YES 1 NO 2 DON'T KNOW 8
D39A	Any organs from wild animals, such as game meat, bush rats, birds, wild pigeons, guinea fowl, deer, wild boar, wild goat?	YES 1 NO 2 DON'T KNOW 8	YES 1 NO 2 DON'T KNOW 8	YES 1 NO 2 DON'T KNOW 8
D39B	Any flesh from wild animals, such as game meat, bush rats, birds, wild pigeons, guinea fowl, deer, wild boar, wild goat?	YES 1 NO 2 DON'T KNOW 8	YES 1 NO 2 DON'T KNOW 8	YES 1 NO 2 DON'T KNOW 8
D40	Eggs?	YES 1 NO 2 DON'T KNOW 8	YES 1 NO 2 DON'T KNOW 8	YES 1 NO 2 DON'T KNOW 8
D41	Fresh or dried fish, shellfish or seafood?	YES 1 NO 2 DON'T KNOW 8	YES 1 NO 2 DON'T KNOW 8	YES 1 NO 2 DON'T KNOW 8
D42	Any foods made from beans, peas, lentils, peanuts or other legumes such as cowpeas, pigeon peas, vouandzou, dan-wari, locust / soumbala?	YES 1 NO 2 DON'T KNOW 8	YES 1 NO 2 DON'T KNOW 8	YES 1 NO 2 DON'T KNOW 8
D43	Any foods made from nuts and seeds such as pumpkin, sunflower seeds?	YES 1 NO 2 DON'T KNOW 8	YES 1 NO 2 DON'T KNOW 8	YES 1 NO 2 DON'T KNOW 8
D44	Milk, cheese, yogurt or other milk products?	YES 1 NO 2 DON'T KNOW 8	YES 1 NO 2 DON'T KNOW 8	YES 1 NO 2 DON'T KNOW 8
D45	Any shea nut oils, other oils, fats, butter or foods made with any of these?	YES 1 NO 2 DON'T KNOW 8	YES 1 NO 2 DON'T KNOW 8	YES 1 NO 2 DON'T KNOW 8
D46	Any sugary foods such as chocolates, sweets, candies, pastries, cakes or biscuits?	YES 1 NO 2 DON'T KNOW 8	YES 1 NO 2 DON'T KNOW 8	YES 1 NO 2 DON'T KNOW 8
D47	Condiments for flavor, such as chilies, spices, herbs, or fish powder?	YES 1 NO 2 DON'T KNOW 8	YES 1 NO 2 DON'T KNOW 8	YES 1 NO 2 DON'T KNOW 8
D48	Larvae, snails, locusts, and other insects like flying ants often called SOUMGUE or Shingue?	YES 1 NO 2 DON'T KNOW 8	YES 1 NO 2 DON'T KNOW 8	YES 1 NO 2 DON'T KNOW 8
D49	Foods made with red palm oil, red palm nut, or red palm nut pulp sauce?	YES 1 NO 2 DON'T KNOW 8	YES 1 NO 2 DON'T KNOW 8	YES 1 NO 2 DON'T KNOW 8
	CHECK QUESTIONS D33-D49:	IF "NO" TO ALL → D50 IF AT LEAST ONE "YES" "DK" OR TO ALL → D54	IF "NO" TO ALL → D50 IF AT LEAST ONE "YES" OR "DK" TO ALL → D54	IF "NO" TO ALL → D50 IF AT LEAST ONE "YES" OR "DK" TO ALL → D54
D50	Did [CHILD'S NAME] eat any solid, semi-solid, or or soft foods yesterday during the day or at night? IF "YES" PROBE: What kind of solid, semi-solid, or soft foods did [CHILD'S NAME] eat?	YES 1 GO BACK TO D33-D49 AND RECORD FOODS EATEN. THEN CONTINUE WITH D54. NO 2 GO TO D54 ← DON'T KNOW 8	YES 1 GO BACK TO D33-D49 AND RECORD FOODS EATEN. THEN CONTINUE WITH D54. NO 2 GO TO D54 ← DON'T KNOW 8	YES 1 GO BACK TO D33-D49 AND RECORD FOODS EATEN. THEN CONTINUE WITH D54. NO 2 GO TO D54 ← DON'T KNOW 8

NO.	QUESTIONS AND FILTERS	FIRST ELIGIBLE CHILD FROM ROSTER	SECOND ELIGIBLE CHILD FROM ROSTER	THIRD ELIGIBLE CHILD FROM ROSTER
		NAME	NAME	NAME
D02	CHILD UNDER 6 YEARS OLD (B07= 1) FROM THE HOUSEHOLD ROSTER	LINE NO. CHILD (B01)	LINE NO. CHILD (B01)	LINE NO. CHILD (B01)
	DIARRHEA			
D52	Has [CHILD'S NAME] had diarrhea in the last 2 weeks? DIARRHEA IS DEFINED AS 3 OR MORE WATERY STOOLS IN A DAY. 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 1 NO 2 (GO TO D02 FOR NEXT CHILD OR TO D56 IF NO MORE CHILDREN) DON'T KNOW 8	YES 1 NO 2 (GO TO D02 FOR NEXT CHILD OR TO D56 IF NO MORE CHILDREN) DON'T KNOW 8	YES 1 NO 2 (GO TO D02 FOR NEXT CHILD OR TO D56 IF NO MORE CHILDREN) DON'T KNOW 8
D53	Was there any blood in the stool	YES 1 NO 2 DON'T KNOW 8	YES 1 NO 2 DON'T KNOW 8	YES 1 NO 2 DON'T KNOW 8
D54	Now I would like to know how much [child's name] 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 1 SOMEWHAT LESS 2 ABOUT THE SAME 3 MORE 4 NOTHING TO DRINK 5 DON'T KNOW 8	MUCH LESS 1 SOMEWHAT LESS 2 ABOUT THE SAME 3 MORE 4 NOTHING TO DRINK 5 DON'T KNOW 8	MUCH LESS 1 SOMEWHAT LESS 2 ABOUT THE SAME 3 MORE 4 NOTHING TO DRINK 5 DON'T KNOW 8
D55	When [child's name] 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 1 SOMEWHAT LESS 2 ABOUT THE SAME 3 MORE 4 NOTHING TO EAT 5 DON'T KNOW 8	MUCH LESS 1 SOMEWHAT LESS 2 ABOUT THE SAME 3 MORE 4 NOTHING TO EAT 5 DON'T KNOW 8	MUCH LESS 1 SOMEWHAT LESS 2 ABOUT THE SAME 3 MORE 4 NOTHING TO EAT 5 DON'T KNOW 8
D56	Was he/she given any of the following to drink at any time since he/she started having the diarrhea: a) A fluid made from a special packet called ORS sachet ? b) A reconstituted ORS liquid provided through government health facilities? c) A government-recommended homemade fluid?	YES NO DK FLUID FROM ORS PKT..... 1 2 8 RECONSTITUTED ORS FROM GOVT. 1 2 8 HOMEMADE FLUID 1 2 8	YES NO DK FLUID FROM ORS PKT..... 1 2 8 RECONSTITUTED ORS FROM GOV' 1 2 8 HOMEMADE FLUID 1 2 8	YES NO DK FLUID FROM ORS PKT..... 1 2 8 RECONSTITUTED ORS FROM GOV' 1 2 8 HOMEMADE FLUID 1 2 8
D57	INSERT TIME MODULE ENDED	HOUR MINUTE → GO TO MODULE E		

Module E. Women's Dietary Diversity, ANC, CPR and Family Planning (All Women 15-49)				
NO.	QUESTIONS AND FILTERS	WOMAN'S NAME	WOMAN'S NAME	WOMAN'S NAME
E00	INSERT TIME MODULE STARTED	HOUR MINUTE	HOUR MINUTE	HOUR MINUTE
E01	CLUSTER CODE AND HOUSEHOLD NUMBER	CLUSTER HH	CLUSTER HH	CLUSTER HH
E02A	LINE NUMBER OF WOMAN 15-49 YEARS OF AGE FROM ROSTER (B09=1)	LINE NUMBER (B01)	LINE NUMBER (B01)	LINE NUMBER (B01)
E02B	OBTAIN CONSENT. DOES [NAME] AGREE TO PARTICIPATE IN THE SURVEY?	YES 1 NO 2 NOT AVAILABLE 8 SKIP TO E63 ←	YES 1 NO 2 NOT AVAILABLE 8 SKIP TO E63 ←	YES 1 NO 2 NOT AVAILABLE 8 SKIP TO E63 ←
E03	In what month and year were you born? IF DON'T KNOW MONTH RECORD "98" IF DON'T KNOW YEAR RECORD "9998"	MONTH YEAR	MONTH YEAR	MONTH YEAR
E04	Please tell me how old you are. What was your age at your last birthday? RECORD AGE IN COMPLETED YEARS AND SKIP TO E06. IF RESPONDENT CANNOT REMEMBER HOW OLD SHE IS, CIRCLE 98 AND ASK QUESTION E05.	AGE IN YEARS (SKIP TO E06 ←) DON'T KNOW 98	AGE IN YEARS (SKIP TO E06 ←) DON'T KNOW 98	AGE IN YEARS (SKIP TO E06 ←) DON'T KNOW 98
E05	Are you between the ages of 15 and 49 years old?	YES 1 NO 2 DON'T KNOW 8	YES 1 NO 2 DON'T KNOW 8	YES 1 NO 2 DON'T KNOW 8
E06	CHECK E03, E04 AND E05 (IF APPLICABLE): IS THE RESPONDENT BETWEEN THE AGES OF 15 AND 49 IF ANSWER IS 'NO' AND ANOTHER WOMAN IS INCLUDED, THEN QUESTIONS E02-E05 MUST BE REPEATED FOR THE NEW WOMAN. IF THE INFORMATION IN E03, E04 AND E05 CONFLICTS, DETERMINE WHICH IS MOST ACCURATE.	IF YES, THEN CONTINUE. IF NO, THEN GO TO E63	IF YES, THEN CONTINUE. IF NO, THEN GO TO E63	IF YES, THEN CONTINUE. IF NO, THEN GO TO E63
WOMAN'S DIETARY DIVERSITY				
Recall: I would like to ask you a few questions about the foods that you eat 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 chilies, spices, herbs, or fish powder). I will ask you about those foods separately. Yesterday during the day or night did you drink/eat any [ASK QUESTIONS E07 to E27]?				
E07	Cereal-based foods such as bread, couscous, rice, pasta, porridge, cereals and other foods made from corn, rice, fonio, wheat (bulgur, doume), sorghum, millet?	YES 1 NO 2 DON'T KNOW 8	YES 1 NO 2 DON'T KNOW 8	YES 1 NO 2 DON'T KNOW 8
E08	Pumpkin, carrots, squash, orange flesh sweet potatoes or any other dark yellow or orange fleshed roots, tubers and vegetables?	YES 1 NO 2 DON'T KNOW 8	YES 1 NO 2 DON'T KNOW 8	YES 1 NO 2 DON'T KNOW 8
E09	White potatoes, white yams, white sweet potato, cassava or any other foods made from roots?	YES 1 NO 2 DON'T KNOW 8	YES 1 NO 2 DON'T KNOW 8	YES 1 NO 2 DON'T KNOW 8
E10	Any dark green leafy vegetables such as spinach, lettuce, sorrel, molohiya, baobab leaves (Kouka), yodo, okra leaves, Moringa tchapatta or cowpea leaves?	YES 1 NO 2 DON'T KNOW 8	YES 1 NO 2 DON'T KNOW 8	YES 1 NO 2 DON'T KNOW 8
E11	Any other vegetables, like cucumbers, tomatoes, cauliflower, cabbage, broccoli, eggplant, okra, green beans etc.?	YES 1 NO 2 DON'T KNOW 8	YES 1 NO 2 DON'T KNOW 8	YES 1 NO 2 DON'T KNOW 8
E12	Ripe mangoes, ripe papaya, melon, passionfruit or other fruits that are dark yellow or orange inside?	YES 1 NO 2 DON'T KNOW 8	YES 1 NO 2 DON'T KNOW 8	YES 1 NO 2 DON'T KNOW 8
E13	Any other fruits like watermelon, tamarind, or jackfruit?	YES 1 NO 2 DON'T KNOW 8	YES 1 NO 2 DON'T KNOW 8	YES 1 NO 2 DON'T KNOW 8
E14	Any liver, kidney, heart, blood or other organ meats from domesticated animals such as cow, pig, goat, chicken or duck?	YES 1 NO 2 DON'T KNOW 8	YES 1 NO 2 DON'T KNOW 8	YES 1 NO 2 DON'T KNOW 8
E15	Any meat from domesticated animals, such as beef, pork, lamb, goat, chicken, or duck?	YES 1 NO 2 DON'T KNOW 8	YES 1 NO 2 DON'T KNOW 8	YES 1 NO 2 DON'T KNOW 8
E16	Any organs from wild animals, such as game meat, bush rats, birds, wild pigeons, guinea fowl, deer, wild boar, wild goat?	YES 1 NO 2 DON'T KNOW 8	YES 1 NO 2 DON'T KNOW 8	YES 1 NO 2 DON'T KNOW 8
E17	Any flesh from wild animals, such as game meat, bush rats, birds, wild pigeons, guinea fowl, deer, wild boar, wild goat?	YES 1 NO 2 DON'T KNOW 8	YES 1 NO 2 DON'T KNOW 8	YES 1 NO 2 DON'T KNOW 8

Module E. Women's Dietary Diversity, ANC, CPR and Family Planning (All Women 15-49)				
NO.	QUESTIONS AND FILTERS	WOMAN'S NAME	WOMAN'S NAME	WOMAN'S NAME
E18	Eggs?	YES 1 NO 2 DON'T KNOW 8	YES 1 NO 2 DON'T KNOW 8	YES 1 NO 2 DON'T KNOW 8
E19	Fresh or dried fish, shellfish or seafood?	YES 1 NO 2 DON'T KNOW 8	YES 1 NO 2 DON'T KNOW 8	YES 1 NO 2 DON'T KNOW 8
E20	Any foods made from beans, peas, lentils, peanuts or other legumes such as cowpeas, pigeon peas, youandzou, dan-wari, locust / soubmbala?	YES 1 NO 2 DON'T KNOW 8	YES 1 NO 2 DON'T KNOW 8	YES 1 NO 2 DON'T KNOW 8
E21	Any foods made from nuts and seeds such as pumpkin, sunflower seeds?	YES 1 NO 2 DON'T KNOW 8	YES 1 NO 2 DON'T KNOW 8	YES 1 NO 2 DON'T KNOW 8
E22	Milk, cheese, yogurt or other milk products?	YES 1 NO 2 DON'T KNOW 8	YES 1 NO 2 DON'T KNOW 8	YES 1 NO 2 DON'T KNOW 8
E23	Any shea nut oils, other oils, fats, butter or foods made with any of these?	YES 1 NO 2 DON'T KNOW 8	YES 1 NO 2 DON'T KNOW 8	YES 1 NO 2 DON'T KNOW 8
E24	Any sugary foods such as chocolates, sweets, candies, pastries, cakes or biscuits?	YES 1 NO 2 DON'T KNOW 8	YES 1 NO 2 DON'T KNOW 8	YES 1 NO 2 DON'T KNOW 8
E25	Condiments for flavor, such as chilies, spices, herbs, or fish powder?	YES 1 NO 2 DON'T KNOW 8	YES 1 NO 2 DON'T KNOW 8	YES 1 NO 2 DON'T KNOW 8
E26	Larvae, snails, locusts, and other insects like flying ants often called SOUMGUE or Shingue?	YES 1 NO 2 DON'T KNOW 8	YES 1 NO 2 DON'T KNOW 8	YES 1 NO 2 DON'T KNOW 8
E27	Foods made with red palm oil, red palm nut, or red palm nut pulp sauce?	YES 1 NO 2 DON'T KNOW 8	YES 1 NO 2 DON'T KNOW 8	YES 1 NO 2 DON'T KNOW 8
HISTORY OF PREGNANCIES AND BIRTHS				
E28	Now I would like to ask you about pregnancies and births you may have had. Are you currently pregnant?	YES 1 (SKIP TO E30) ← NO 2 DON'T KNOW 8	YES 1 (SKIP TO E30) ← NO 2 DON'T KNOW 8	YES 1 (SKIP TO E30) ← NO 2 DON'T KNOW 8
E29	Have you ever been pregnant?	YES 1 NO 2 (SKIP TO E45) ←	YES 1 NO 2 (SKIP TO E45) ←	YES 1 NO 2 (SKIP TO E45) ←
E30	Have you ever given birth?	YES 1 NO 2 (SKIP TO E45) ←	YES 1 NO 2 (SKIP TO E45) ←	YES 1 NO 2 (SKIP TO E45) ←
E31	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	Date of Last Live Birth DAY..... [][] If day is not known, enter '98' above MONTH..... [][] YEAR..... [][][]	Date of Last Live Birth DAY..... [][] If day is not known, enter '98' above MONTH..... [][] YEAR..... [][][]	Date of Last Live Birth DAY..... [][] If day is not known, enter '98' above MONTH..... [][] YEAR..... [][][]
	CHECK ANSWER TO QUESTION E31. DID THE RESPONDENT'S LAST LIVE BIRTH OCCUR WITHIN THE PAST 5 YEARS, THAT IS, SINCE [INSERT MONTH OF INTERVIEW] ?	IF YES, THEN CONTINUE. IF NO, THEN SKIP TO E45	IF YES, THEN CONTINUE. IF NO, THEN SKIP TO E45	IF YES, THEN CONTINUE. IF NO, THEN SKIP TO E45
E32	What is the name of your child who was born on (DATE INDICATED IN E31)? ADD LINE NUMBER (B01) FROM HH ROSTER. WRITE 00 IF CHILD NOT IN HH.	NAME _____ LINE NUMBER (B01) [][]	NAME _____ LINE NUMBER (B01) [][]	NAME _____ LINE NUMBER (B01) [][]
ANTENATAL CARE				
E38	Did you see anyone for antenatal care during the pregnancy?	YES 1 NO 2 (SKIP TO E45) ←	YES 1 NO 2 (SKIP TO E45) ←	YES 1 NO 2 (SKIP TO E45) ←
E39	Whom did you see? Anyone else?	HEALTH PERSONNEL DOCTOR A NURSE B MIDWIFE C HEALTH OFFICIER D HEALTH EXTENSION WORKER E OTHER PERSON TRADITIONAL BIRTH ATTENDANT F OTHER PERSON X (SPECIFY) _____	HEALTH PERSONNEL DOCTOR A NURSE B MIDWIFE C HEALTH OFFICIER D HEALTH EXTENSION WORKER E OTHER PERSON TRADITIONAL BIRTH ATTENDANT F OTHER PERSON X (SPECIFY) _____	HEALTH PERSONNEL DOCTOR A NURSE B MIDWIFE C HEALTH OFFICIER D HEALTH EXTENSION WORKER E OTHER PERSON TRADITIONAL BIRTH ATTENDANT F OTHER PERSON X (SPECIFY) _____
E40	How many months pregnant were you when you first received antenatal care during this pregnancy?	MONTHS [][]	MONTHS [][]	MONTHS [][]
E41	How many times did you receive antenatal care during this pregnancy?	NUMBER OF TIMES [][]	NUMBER OF TIMES [][]	NUMBER OF TIMES [][]

Module E. Women's Dietary Diversity, ANC, CPR and Family Planning (All Women 15-49)				
NO.	QUESTIONS AND FILTERS	WOMAN'S NAME	WOMAN'S NAME	WOMAN'S NAME
FAMILY PLANNING				
E45	CHECK HOUSEHOLD ROSTER QUESTION B06 (MARITAL STATUS): IS PERSON MARRIED/LIVING TOGETHER (B06=1)?	IF YES, THEN CONTINUE IF NO, THEN SKIP TO E63	IF YES, THEN CONTINUE IF NO, THEN SKIP TO E63	IF YES, THEN CONTINUE IF NO, THEN SKIP TO E63
	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 (METHOD)?			
E46	Female Sterilization. PROBE: Women can have an operation to avoid having any more children.	YES 1 NO 2 DON'T KNOW 8	YES 1 NO 2 DON'T KNOW 8	YES 1 NO 2 DON'T KNOW 8
E47	Male Sterilization. PROBE: Men can have an operation to avoid having any more children.	YES 1 NO 2 DON'T KNOW 8	YES 1 NO 2 DON'T KNOW 8	YES 1 NO 2 DON'T KNOW 8
E48	IUD. PROBE: Women can have a loop or coil placed inside them by a doctor or a nurse which can prevent pregnancy for one or more years.	YES 1 NO 2 DON'T KNOW 8	YES 1 NO 2 DON'T KNOW 8	YES 1 NO 2 DON'T KNOW 8
E49	Injectables. PROBE: Women can have an injection by a health provider that stops them from becoming pregnant for one or more months.	YES 1 NO 2 DON'T KNOW 8	YES 1 NO 2 DON'T KNOW 8	YES 1 NO 2 DON'T KNOW 8
E50	Implants. PROBE: Women can have one or more small rods placed in their upper arm by a doctor or nurse which can prevent pregnancy for one or more years.	YES 1 NO 2 DON'T KNOW 8	YES 1 NO 2 DON'T KNOW 8	YES 1 NO 2 DON'T KNOW 8
E51	Pill. PROBE: Women can take a pill every day to avoid becoming pregnant.	YES 1 NO 2 DON'T KNOW 8	YES 1 NO 2 DON'T KNOW 8	YES 1 NO 2 DON'T KNOW 8
E52	Male Condom. PROBE: Men can put a rubber sheath on their penis before sexual intercourse.	YES 1 NO 2 DON'T KNOW 8	YES 1 NO 2 DON'T KNOW 8	YES 1 NO 2 DON'T KNOW 8
E53	Female Condom. PROBE: Women can place a sheath in their vagina before sexual intercourse.	YES 1 NO 2 DON'T KNOW 8	YES 1 NO 2 DON'T KNOW 8	YES 1 NO 2 DON'T KNOW 8
E54	Diaphragm with spermicidal foam, cream or gel. PROBE: Women can apply a spermicide to a shallow, bendable cup and place it in their vagina before sexual intercourse.	YES 1 NO 2 DON'T KNOW 8	YES 1 NO 2 DON'T KNOW 8	YES 1 NO 2 DON'T KNOW 8
E55	Emergency Contraception. PROBE: As an emergency measure, within three days after they have unprotected sexual intercourse, women can take special pills to prevent pregnancy.	YES 1 NO 2 DON'T KNOW 8	YES 1 NO 2 DON'T KNOW 8	YES 1 NO 2 DON'T KNOW 8
E56	Standard Days Method. PROBE: A woman uses a string of colored beads to know the days she can get pregnant. On the days she can get pregnant, she uses a condom or does not have sexual intercourse.	YES 1 NO 2 DON'T KNOW 8	YES 1 NO 2 DON'T KNOW 8	YES 1 NO 2 DON'T KNOW 8
E57	Lactational Amenorrhea Method (LAM). PROBE: Up to six months after childbirth, before the menstrual period has returned, women use a method requiring frequent breastfeeding day and night.	YES 1 NO 2 DON'T KNOW 8	YES 1 NO 2 DON'T KNOW 8	YES 1 NO 2 DON'T KNOW 8
E58	Have you heard of any other modern methods that women or men can use to avoid pregnancy? ALL METHODS LISTED IN QUESTIONS E45-E57 ARE CONSIDERED MODERN METHODS.	YES 1 NO 2 DON'T KNOW 8	YES 1 NO 2 DON'T KNOW 8	YES 1 NO 2 DON'T KNOW 8
E59	Did you or your partner use any of these modern contraceptive methods in the past 12 months?	YES 1 NO 2 SKIP TO E62 ← DON'T KNOW 8	YES 1 NO 2 SKIP TO E62 ← DON'T KNOW 8	YES 1 NO 2 SKIP TO E62 ← DON'T KNOW 8
E60	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 1 HUSBAND/PARTNER 2 RESPONDENT JOINTLY WITH HUSBAND/PARTNER 3 SOMEONE ELSE 4 OTHER 5 SPECIFY ← SKIP TO E62 ←	RESPONDENT 1 HUSBAND/PARTNER 2 RESPONDENT JOINTLY WITH HUSBAND/PARTNER 3 SOMEONE ELSE 4 OTHER 5 SPECIFY ← SKIP TO E62 ←	RESPONDENT 1 HUSBAND/PARTNER 2 RESPONDENT JOINTLY WITH HUSBAND/PARTNER 3 SOMEONE ELSE 4 OTHER 5 SPECIFY ← SKIP TO E62 ←
E61	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?	MORE IMPORTANT 1 EQUALLY IMPORTANT 2 LESS IMPORTANT 3	MORE IMPORTANT 1 EQUALLY IMPORTANT 2 LESS IMPORTANT 3	MORE IMPORTANT 1 EQUALLY IMPORTANT 2 LESS IMPORTANT 3
CONTRACEPTIVE PREVALENCE				
E62	CHECK ANSWER TO QUESTION E28. IS THE WOMAN CURRENTLY PREGNANT?	IF YES, THEN SKIP TO E63 IF NO, THEN CONTINUE.	IF YES, THEN SKIP TO E63 IF NO, THEN CONTINUE.	IF YES, THEN SKIP TO E63 IF NO, THEN CONTINUE.
E63	Are you or your partner currently doing something or using any method to delay or avoid getting pregnant?	YES 1 NO 2 (SKIP TO E65) ←	YES 1 NO 2 (SKIP TO E65) ←	YES 1 NO 2 (SKIP TO E65) ←
E64	Which method are you using? RECORD ALL MENTIONED. NOTE: MOON BEADS ARE LOCALLY USED FOR STANDARD DAYS METHOD	FEMALE STERILIZATION A MALE STERILIZATION B IUD C INJECTABLES D IMPLANTS E PILL F CONDOM G FEMALE CONDOM H EMERGENCY CONTRACEPTION I STANDARD DAYS METHOD J LACTATIONAL AMEN. METHOD K RHYTHM METHOD L WITHDRAWAL M OTHER MODERN METHOD N OTHER TRADITIONAL METHOD O	FEMALE STERILIZATION A MALE STERILIZATION B IUD C INJECTABLES D IMPLANTS E PILL F CONDOM G FEMALE CONDOM H EMERGENCY CONTRACEPTION I STANDARD DAYS METHOD J LACTATIONAL AMEN. METHOD K RHYTHM METHOD L WITHDRAWAL M OTHER MODERN METHOD N OTHER TRADITIONAL METHOD O	FEMALE STERILIZATION A MALE STERILIZATION B IUD C INJECTABLES D IMPLANTS E PILL F CONDOM G FEMALE CONDOM H EMERGENCY CONTRACEPTION I STANDARD DAYS METHOD J LACTATIONAL AMEN. METHOD K RHYTHM METHOD L WITHDRAWAL M OTHER MODERN METHOD N OTHER TRADITIONAL METHOD O
E65	THERE ARE NO MORE QUESTIONS FOR THIS WOMAN.	GO TO E02A FOR NEXT WOMAN OR IF NO MORE WOMEN, GO TO E64.	GO TO E02A FOR NEXT WOMAN OR IF NO MORE WOMEN, GO TO E64.	GO TO E02A FOR NEXT WOMAN OR IF NO MORE WOMEN, GO TO E64.
E66	INSERT TIME MODULE ENDED	HOUR MINUTE → GO TO MODULE J		

Module J. Gender - Cash (All Men and Women in Union who Earned Cash)				
NO.	QUESTIONS AND FILTERS	FIRST ELIGIBLE PERSON FROM ROSTER	SECOND ELIGIBLE PERSON FROM ROSTER	THIRD ELIGIBLE PERSON FROM ROSTER
J00	INSERT TIME MODULE STARTED	HOUR	MINUTE	
J01	CLUSTER CODE AND HOUSEHOLD NUMBER	CLUSTER	HH	
J02	MAN/WOMAN WHO EARNED CASH (B12 = 1 OR 2) FROM THE HOUSEHOLD ROSTER	LINE NO. (B01)	LINE NO. (B01)	LINE NO. (B01)
J03A	CHECK HOUSEHOLD ROSTER QUESTION B06 (MARITAL STATUS). IS RESPONDENT MARRIED OR LIVING TOGETHER (B06=1)?	YES 1 NO 2 GO TO J14 ←	YES 1 NO 2 GO TO J14 ←	YES 1 NO 2 GO TO J14 ←
J03B	OBTAIN CONSENT. DOES [NAME] AGREE TO PARTICIPATE IN THE SURVEY?	YES 1 NO 2 GO TO J14 ← NOT AVAILABLE 3	YES 1 NO 2 GO TO J14 ← NOT AVAILABLE 3	YES 1 NO 2 GO TO J14 ← NOT AVAILABLE 3
J04	RESPONDENT'S SEX FROM HOUSEHOLD ROSTER (B04)	MALE 1 FEMALE 2	MALE 1 FEMALE 2	MALE 1 FEMALE 2
J05	RESPONDENT'S AGE FROM HOUSEHOLD ROSTER (B05)	YEARS	YEARS	YEARS
J06	Have you done any work in the past 12 months? READ DEFINITION OF WORK FROM MODULE B.	YES 1 NO 2 GO TO J14 ←	YES 1 NO 2 GO TO J14 ←	YES 1 NO 2 GO TO J14 ←
J07	During the past 12 months, were you usually paid in cash or kind for this work or were you not paid at all?	CASH ONLY 1 CASH AND KIND 2 IN KIND ONLY 3 GO TO J14 ← NOT PAID 4	CASH ONLY 1 CASH AND KIND 2 IN KIND ONLY 3 GO TO J14 ← NOT PAID 4	CASH ONLY 1 CASH AND KIND 2 IN KIND ONLY 3 GO TO J14 ← NOT PAID 4
J08	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? IF RESPONSE IS SOMEONE ELSE IN HH OR OTHER, THEN SPECIFY THE RELATIONSHIP TO THE RESPONDENT.	RESPONDENT 1 SPOUSE/PARTNER 2 SOMEONE ELSE IN HH 3 (SPECIFY) OTHER 4 (SPECIFY)	RESPONDENT 1 SPOUSE/PARTNER 2 SOMEONE ELSE IN HH 3 (SPECIFY) OTHER 4 (SPECIFY)	RESPONDENT 1 SPOUSE/PARTNER 2 SOMEONE ELSE IN HH 3 (SPECIFY) OTHER 4 (SPECIFY)
J09A	Do you usually discuss with someone about how the cash you earn will be used?	YES 1 NO 2 (SKIP TO J10) ←	YES 1 NO 2 (SKIP TO J10) ←	YES 1 NO 2 (SKIP TO J10) ←
J09B	With whom do you usually talk about how the cash you earn will be used? CIRCLE ALL THAT APPLY. FOR RESPONSES B AND C, SPECIFY THE RELATIONSHIP TO THE RESPONDENT.	SPOUSE/PARTNER A SOMEONE ELSE IN HH (SPECIFY RELATIONSHIP) OTHER B (SPECIFY) C	SPOUSE/PARTNER A SOMEONE ELSE IN HH (SPECIFY RELATIONSHIP) OTHER B (SPECIFY) C	SPOUSE/PARTNER A SOMEONE ELSE IN HH (SPECIFY RELATIONSHIP) OTHER B (SPECIFY) C
J10	Who usually decides how the cash you earn will be used? READ ALL RESPONSES AND SELECT ONLY ONE. FOR RESPONSES #4 AND #5, SPECIFY THE RELATIONSHIP TO THE RESPONDENT.	YOURSELF 1 SPOUSE/PARTNER 2 YOURSELF AND SPOUSE/PARTNER 3 JOINTLY 3 YOURSELF AND OTHER JOINTLY 4 (SPECIFY) OTHER 5 (SPECIFY)	YOURSELF 1 SPOUSE/PARTNER 2 YOURSELF AND SPOUSE/PARTNER 3 JOINTLY 3 YOURSELF AND OTHER JOINTLY 4 (SPECIFY) OTHER 5 (SPECIFY)	YOURSELF 1 SPOUSE/PARTNER 2 YOURSELF AND SPOUSE/PARTNER 3 JOINTLY 3 YOURSELF AND OTHER JOINTLY 4 (SPECIFY) OTHER 5 (SPECIFY)
	CHECK RESPONSE TO QUESTION J04. IS THE RESPONDENT A FEMALE?	IF YES CONTINUE IF NO GO TO J14.	IF YES CONTINUE IF NO GO TO J14.	IF YES CONTINUE IF NO GO TO J14.
J11	Has your spouse/partner done any work in the past 12 months? READ DEFINITION OF WORK FROM MODULE B.	YES 1 NO 2 GO TO J14 ← DON'T KNOW 8	YES 1 NO 2 GO TO J14 ← DON'T KNOW 8	YES 1 NO 2 GO TO J14 ← DON'T KNOW 8
J12	During the past 12 months, was he usually paid in cash or kind for this work or was he not paid at all?	CASH ONLY 1 CASH AND KIND 2 IN KIND ONLY 3 GO TO J14 ← NOT PAID 4	CASH ONLY 1 CASH AND KIND 2 IN KIND ONLY 3 GO TO J14 ← NOT PAID 4	CASH ONLY 1 CASH AND KIND 2 IN KIND ONLY 3 GO TO J14 ← NOT PAID 4
J13	Who usually decides how the cash he earns will be used? READ ALL RESPONSES AND SELECT ONLY ONE. FOR RESPONSES #4 AND #5, SPECIFY THE RELATIONSHIP TO THE RESPONDENT.	YOURSELF 1 SPOUSE/PARTNER 2 YOURSELF AND SPOUSE/PARTNER 3 JOINTLY 3 YOURSELF AND OTHER JOINTLY 4 (SPECIFY) OTHER 5 (SPECIFY)	YOURSELF 1 SPOUSE/PARTNER 2 YOURSELF AND SPOUSE/PARTNER 3 JOINTLY 3 YOURSELF AND OTHER JOINTLY 4 (SPECIFY) OTHER 5 (SPECIFY)	YOURSELF 1 SPOUSE/PARTNER 2 YOURSELF AND SPOUSE/PARTNER 3 JOINTLY 3 YOURSELF AND OTHER JOINTLY 4 (SPECIFY) OTHER 5 (SPECIFY)
J14	THERE ARE NO MORE QUESTIONS FOR THIS CASH EARNER.	GO TO J02 FOR NEXT CASH EARNER, OR J15 IF NO MORE CASH EARNERS	GO TO J02 FOR NEXT CASH EARNER, OR J15 IF NO MORE CASH EARNERS	GO TO J02 FOR NEXT CASH EARNER, OR J15 IF NO MORE CASH EARNERS
J15	INSERT TIME MODULE ENDED	HOUR	MINUTE	→ GO TO MODULE KF

MODULE KF. ACCESS TO CREDIT AND GROUP MEMBERSHIP (Youngest woman in union)				
K00	INSERT TIME MODULE STARTED	HOUR MINUTE		
K01	CLUSTER AND HOUSEHOLD NUMBER	CLUSTER HH		
K02	YOUNGEST ADULT WOMAN IN UNION (B13F=1)	LINE NUMBER		
K03A	CHECK HOUSEHOLD ROSTER QUESTION B14 (MARITAL STATUS). IS RESPONDENT MARRIED OR LIVING TOGETHER (B06=1)?	YES 1 NO 2 SKIP TO K12 ↩		
K03B	OBTAIN CONSENT. DOES [NAME] AGREE TO PARTICIPATE IN THE SURVEY?	YES 1 NO 2 SKIP TO K12 ↩ NOT AVAILABLE 3		
K04a	RESPONDENT'S SEX FROM HOUSEHOLD ROSTER (B04)	MALE 1 FEMALE 2		
K04b	RESPONDENT'S AGE FROM HOUSEHOLD ROSTER (B05)	YEARS		
ACCESS TO CREDIT				
CODE	LENDING SOURCE NAME	K06	K07	K08
	Now I'd like to ask about your household's experience with borrowing money or other items in the past 12 months."	Has anyone in your household taken any loans or borrowed cash/in-kind from [SOURCE] in the past 12 months?	Who made the decision to borrow from [SOURCE]? SELECT ALL THAT APPLY	Who makes the decision about what to do with the money/ item borrowed from [SOURCE]? SELECT ALL THAT APPLY
A	Non-governmental organization (NGO)	YES, CASH 1 YES, IN-KIND 2 YES, CASH AND IN-KIND 3 NO 4 DON'T KNOW 8 GO TO NEXT SOURCE ↩	SELF A PARTNER/SPOUSE B OTHER HH MEMBER C OTHER NON-HH MEMBER D NOT APPLICABLE X	SELF A PARTNER/SPOUSE B OTHER HH MEMBER C OTHER NON-HH MEMBER D NOT APPLICABLE X
B	Informal lender	YES, CASH 1 YES, IN-KIND 2 YES, CASH AND IN-KIND 3 NO 4 DON'T KNOW 8 GO TO NEXT SOURCE ↩	SELF A PARTNER/SPOUSE B OTHER HH MEMBER C OTHER NON-HH MEMBER D NOT APPLICABLE X	SELF A PARTNER/SPOUSE B OTHER HH MEMBER C OTHER NON-HH MEMBER D NOT APPLICABLE X
C	Formal lender (bank/financial institution)	YES, CASH 1 YES, IN-KIND 2 YES, CASH AND IN-KIND 3 NO 4 DON'T KNOW 8 GO TO NEXT SOURCE ↩	SELF A PARTNER/SPOUSE B OTHER HH MEMBER C OTHER NON-HH MEMBER D NOT APPLICABLE X	SELF A PARTNER/SPOUSE B OTHER HH MEMBER C OTHER NON-HH MEMBER D NOT APPLICABLE X
D	Friends or relatives	YES, CASH 1 YES, IN-KIND 2 YES, CASH AND IN-KIND 3 NO 4 DON'T KNOW 8 GO TO NEXT SOURCE ↩	SELF A PARTNER/SPOUSE B OTHER HH MEMBER C OTHER NON-HH MEMBER D NOT APPLICABLE X	SELF A PARTNER/SPOUSE B OTHER HH MEMBER C OTHER NON-HH MEMBER D NOT APPLICABLE X
E	Group based micro-finance or lending including Village Savings and Loan Association (VSLAs)/ Savings and Credit Cooperative Organization (SACCOs)	YES, CASH 1 YES, IN-KIND 2 YES, CASH AND IN-KIND 3 NO 4 DON'T KNOW 8 GO TO NEXT SOURCE ↩	SELF A PARTNER/SPOUSE B OTHER HH MEMBER C OTHER NON-HH MEMBER D NOT APPLICABLE X	SELF A PARTNER/SPOUSE B OTHER HH MEMBER C OTHER NON-HH MEMBER D NOT APPLICABLE X
F	Informal credit/savings groups such as merry-go-rounds, tontines, funeral societies, etc.	YES, CASH 1 YES, IN-KIND 2 YES, CASH AND IN-KIND 3 NO 4 DON'T KNOW 8 GO TO K09 ↩	SELF A PARTNER/SPOUSE B OTHER HH MEMBER C OTHER NON-HH MEMBER D NOT APPLICABLE X	SELF A PARTNER/SPOUSE B OTHER HH MEMBER C OTHER NON-HH MEMBER D NOT APPLICABLE X
GROUP MEMBERSHIP				
CODE	GROUP CATEGORIES	K09	K10	
	Now I'm going to ask some questions about different groups or organizations that may exist in your community	Is there a [GROUP] in your community?	Are you a member of this [GROUP]?	
A	Agricultural/livestock/fisheries producer's group (including marketing groups)	YES 1 NO 2 DON'T KNOW 8 SKIP TO NEXT ↩	YES 1 NO 2 DON'T KNOW 8 SKIP TO NEXT ↩	
B	Water users' group	YES 1 NO 2 DON'T KNOW 8 SKIP TO NEXT ↩	YES 1 NO 2 DON'T KNOW 8 SKIP TO NEXT ↩	

CODE	GROUP CATEGORIES	K09	K10	
	Now I'm going to ask some questions about different groups or organizations that may exist in your community	Is there a [GROUP] in your community?	Are you a member of this [GROUP]?	
A	Agricultural/livestock/fisheries producer's group (including marketing groups)	YES 1 NO 2 DON'T KNOW 8	YES 1 NO 2 DON'T KNOW 8	
C	Forest users' group	YES 1 NO 2 DON'T KNOW 8 SKIP TO NEXT	YES 1 NO 2 DON'T KNOW 8 SKIP TO NEXT	
D	Credit or microfinance group including Savings and Credit Cooperative Organization (SACCOs)/merry-go-rounds/ Village Savings and Loan Association (VSLAs)	YES 1 NO 2 DON'T KNOW 8 SKIP TO NEXT	YES 1 NO 2 DON'T KNOW 8 SKIP TO NEXT	
E	Savings group (VSLA, merry-go-rounds, etc.)	YES 1 NO 2 DON'T KNOW 8 SKIP TO NEXT	YES 1 NO 2 DON'T KNOW 8 SKIP TO NEXT	
F	Mutual help or insurance group (including burial societies)	YES 1 NO 2 DON'T KNOW 8 SKIP TO NEXT	YES 1 NO 2 DON'T KNOW 8 SKIP TO NEXT	
G	Trade and business association	YES 1 NO 2 DON'T KNOW 8 SKIP TO NEXT	YES 1 NO 2 DON'T KNOW 8 SKIP TO NEXT	
H	Civic groups (people working together to improve their community) or charitable group (people working together to help people in need)	YES 1 NO 2 DON'T KNOW 8 SKIP TO NEXT	YES 1 NO 2 DON'T KNOW 8 SKIP TO NEXT	
I	Local government	YES 1 NO 2 DON'T KNOW 8 SKIP TO NEXT	YES 1 NO 2 DON'T KNOW 8 SKIP TO NEXT	
J	Religious group	YES 1 NO 2 DON'T KNOW 8 SKIP TO NEXT	YES 1 NO 2 DON'T KNOW 8 SKIP TO NEXT	
K	Mother's group	YES 1 NO 2 DON'T KNOW 8 SKIP TO NEXT	YES 1 NO 2 DON'T KNOW 8 SKIP TO NEXT	
L	Youth group	YES 1 NO 2 DON'T KNOW 8 SKIP TO NEXT	YES 1 NO 2 DON'T KNOW 8 SKIP TO NEXT	
M	Sports group	YES 1 NO 2 DON'T KNOW 8 SKIP TO NEXT	YES 1 NO 2 DON'T KNOW 8 SKIP TO NEXT	
N	Communal grazing land users' group	YES 1 NO 2 DON'T KNOW 8 SKIP TO NEXT	YES 1 NO 2 DON'T KNOW 8 SKIP TO NEXT	
O	Communal natural resources group (Area Land Committee)	YES 1 NO 2 DON'T KNOW 8 SKIP TO NEXT	YES 1 NO 2 DON'T KNOW 8 SKIP TO NEXT	
P	Disaster planning group (Resilience Action Committee)	YES 1 NO 2 DON'T KNOW 8 SKIP TO NEXT	YES 1 NO 2 DON'T KNOW 8 SKIP TO NEXT	
Q	Safe Spaces	YES 1 NO 2 DON'T KNOW 8 SKIP TO NEXT	YES 1 NO 2 DON'T KNOW 8 SKIP TO NEXT	
R	Conflict resolution group	YES 1 NO 2 DON'T KNOW 8 SKIP TO NEXT	YES 1 NO 2 DON'T KNOW 8 SKIP TO NEXT	
S	Other women's group (only if it does not fit into one of the other categories) (SPECIFY) _____	YES 1 NO 2 DON'T KNOW 8 SKIP TO NEXT	YES 1 NO 2 DON'T KNOW 8 SKIP TO NEXT	
K12	INSERT TIME MODULE ENDED	HOUR MINUTE	GO TO MODULE KM	

MODULE KM. ACCESS TO CREDIT AND GROUP MEMBERSHIP (Partner of youngest woman in union)				
K00	INSERT TIME MODULE STARTED	HOUR MINUTE		
K01	CLUSTER AND HOUSEHOLD NUMBER	CLUSTER HH		
K02	PARTNER OF YOUNGEST ADULT WOMAN IN UNION (B13M=1)	LINE NUMBER		
K03A	CHECK HOUSEHOLD ROSTER QUESTION B14 (MARITAL STATUS). IS RESPONDENT MARRIED OR LIVING TOGETHER (B06=1)?	YES 1 NO 2 SKIP TO K12		
K03B	OBTAIN CONSENT. DOES [NAME] AGREE TO PARTICIPATE IN THE SURVEY?	YES 1 NO 2 NOT AVAILABLE 3 SKIP TO K12		
K04a	RESPONDENT'S SEX FROM HOUSEHOLD ROSTER (B04)	MALE 1 FEMALE 2		
K04b	RESPONDENT'S AGE FROM HOUSEHOLD ROSTER (B05)	YEARS		
ACCESS TO CREDIT				
CODE	LENDING SOURCE NAME	K06	K07	K08
	Now I'd like to ask about your household's experience with borrowing money or other items in the past 12 months."	Has anyone in your household taken any loans or borrowed cash/in-kind from [SOURCE] in the past 12 months?	Who made the decision to borrow from [SOURCE]? SELECT ALL THAT APPLY	Who makes the decision about what to do with the money/ item borrowed from [SOURCE]? SELECT ALL THAT APPLY
A	Non-governmental organization (NGO)	YES, CASH 1 YES, IN-KIND 2 YES, CASH AND IN-KIND 3 NO 4 DON'T KNOW 8 GO TO NEXT SOURCE	SELF A PARTNER/SPOUSE B OTHER HH MEMBER C OTHER NON-HH MEMBER D NOT APPLICABLE X	SELF A PARTNER/SPOUSE B OTHER HH MEMBER C OTHER NON-HH MEMBER D NOT APPLICABLE X
B	Informal lender	YES, CASH 1 YES, IN-KIND 2 YES, CASH AND IN-KIND 3 NO 4 DON'T KNOW 8 GO TO NEXT SOURCE	SELF A PARTNER/SPOUSE B OTHER HH MEMBER C OTHER NON-HH MEMBER D NOT APPLICABLE X	SELF A PARTNER/SPOUSE B OTHER HH MEMBER C OTHER NON-HH MEMBER D NOT APPLICABLE X
C	Formal lender (bank/financial institution)	YES, CASH 1 YES, IN-KIND 2 YES, CASH AND IN-KIND 3 NO 4 DON'T KNOW 8 GO TO NEXT SOURCE	SELF A PARTNER/SPOUSE B OTHER HH MEMBER C OTHER NON-HH MEMBER D NOT APPLICABLE X	SELF A PARTNER/SPOUSE B OTHER HH MEMBER C OTHER NON-HH MEMBER D NOT APPLICABLE X
D	Friends or relatives	YES, CASH 1 YES, IN-KIND 2 YES, CASH AND IN-KIND 3 NO 4 DON'T KNOW 8 GO TO NEXT SOURCE	SELF A PARTNER/SPOUSE B OTHER HH MEMBER C OTHER NON-HH MEMBER D NOT APPLICABLE X	SELF A PARTNER/SPOUSE B OTHER HH MEMBER C OTHER NON-HH MEMBER D NOT APPLICABLE X
E	Group based micro-finance or lending including Village Savings and Loan Association (VSLAs)/ Savings and Credit Cooperative Organization (SACCOs)	YES, CASH 1 YES, IN-KIND 2 YES, CASH AND IN-KIND 3 NO 4 DON'T KNOW 8 GO TO NEXT SOURCE	SELF A PARTNER/SPOUSE B OTHER HH MEMBER C OTHER NON-HH MEMBER D NOT APPLICABLE X	SELF A PARTNER/SPOUSE B OTHER HH MEMBER C OTHER NON-HH MEMBER D NOT APPLICABLE X
F	Informal credit/savings groups such as merry-go-rounds, tontines, funeral societies, etc.	YES, CASH 1 YES, IN-KIND 2 YES, CASH AND IN-KIND 3 NO 4 DON'T KNOW 8 GO TO K09	SELF A PARTNER/SPOUSE B OTHER HH MEMBER C OTHER NON-HH MEMBER D NOT APPLICABLE X	SELF A PARTNER/SPOUSE B OTHER HH MEMBER C OTHER NON-HH MEMBER D NOT APPLICABLE X
GROUP MEMBERSHIP AND PARTICIPATION				
CODE	GROUP CATEGORIES	K09	K10	
	Now I'm going to ask some questions about different groups or organizations that may exist in your community	Is there a [GROUP] in your community?	Are you a member of this [GROUP]?	
A	Agricultural/livestock/fisheries producer's group (including marketing groups)	YES 1 NO 2 DON'T KNOW 8 SKIP TO NEXT	YES 1 NO 2 DON'T KNOW 8 SKIP TO NEXT	
B	Water users' group	YES 1 NO 2 DON'T KNOW 8 SKIP TO NEXT	YES 1 NO 2 DON'T KNOW 8 SKIP TO NEXT	
C	Forest users' group	YES 1 NO 2 DON'T KNOW 8 SKIP TO NEXT	YES 1 NO 2 DON'T KNOW 8 SKIP TO NEXT	

CODE	GROUP CATEGORIES	K09	K10	
	Now I'm going to ask some questions about different groups or organizations that may exist in your community	Is there a [GROUP] in your community?	Are you a member of this [GROUP]?	
A	Agricultural/livestock/fisheries producer's group (including marketing groups)	YES 1 NO 2 DON'T KNOW 8 SKIP TO NEXT	YES 1 NO 2 DON'T KNOW 8 SKIP TO NEXT	
D	Credit or microfinance group including Savings and Credit Cooperative Organization (SACCOs)/merry-go-rounds/ Village Savings and Loan Association (VSLAs)	YES 1 NO 2 DON'T KNOW 8 SKIP TO NEXT	YES 1 NO 2 DON'T KNOW 8 SKIP TO NEXT	
E	Savings group (VSLA, merry-go-rounds, etc.)	YES 1 NO 2 DON'T KNOW 8 SKIP TO NEXT	YES 1 NO 2 DON'T KNOW 8 SKIP TO NEXT	
F	Mutual help or insurance group (including burial societies)	YES 1 NO 2 DON'T KNOW 8 SKIP TO NEXT	YES 1 NO 2 DON'T KNOW 8 SKIP TO NEXT	
G	Trade and business association	YES 1 NO 2 DON'T KNOW 8 SKIP TO NEXT	YES 1 NO 2 DON'T KNOW 8 SKIP TO NEXT	
H	Civic groups (people working together to improve their community) or charitable group (people working together to help people in need)	YES 1 NO 2 DON'T KNOW 8 SKIP TO NEXT	YES 1 NO 2 DON'T KNOW 8 SKIP TO NEXT	
I	Local government	YES 1 NO 2 DON'T KNOW 8 SKIP TO NEXT	YES 1 NO 2 DON'T KNOW 8 SKIP TO NEXT	
J	Religious group	YES 1 NO 2 DON'T KNOW 8 SKIP TO NEXT	YES 1 NO 2 DON'T KNOW 8 SKIP TO NEXT	
K	Mother's group	YES 1 NO 2 DON'T KNOW 8 SKIP TO NEXT	YES 1 NO 2 DON'T KNOW 8 SKIP TO NEXT	
L	Youth group	YES 1 NO 2 DON'T KNOW 8 SKIP TO NEXT	YES 1 NO 2 DON'T KNOW 8 SKIP TO NEXT	
M	Sports group	YES 1 NO 2 DON'T KNOW 8 SKIP TO NEXT	YES 1 NO 2 DON'T KNOW 8 SKIP TO NEXT	
N	Communal grazing land users' group	YES 1 NO 2 DON'T KNOW 8 SKIP TO NEXT	YES 1 NO 2 DON'T KNOW 8 SKIP TO NEXT	
O	Communal natural resources group (Area Land Committee)	YES 1 NO 2 DON'T KNOW 8 SKIP TO NEXT	YES 1 NO 2 DON'T KNOW 8 SKIP TO NEXT	
P	Disaster planning group (Resilience Action Committee)	YES 1 NO 2 DON'T KNOW 8 SKIP TO NEXT	YES 1 NO 2 DON'T KNOW 8 SKIP TO NEXT	
Q	Safe Spaces	YES 1 NO 2 DON'T KNOW 8 SKIP TO NEXT	YES 1 NO 2 DON'T KNOW 8 SKIP TO NEXT	
R	Conflict resolution group	YES 1 NO 2 DON'T KNOW 8 SKIP TO NEXT	YES 1 NO 2 DON'T KNOW 8 SKIP TO NEXT	
K12	INSERT TIME MODULE ENDED	HOUR MINUTE	GO TO MODULE G.	

Module G. Agriculture (All Farmers)				
G00	INSERT TIME MODULE STARTED HOUR MINUTE			
G01	CLUSTER CODE AND HOUSEHOLD NUMBER CLUSTER HH			
NO.	QUESTIONS AND FILTERS	FIRST FARMER NAME	SECOND FARMER NAME	THIRD FARMER NAME
REGISTER NAME, SEX AND LINE NUMBER FROM THE HOUSEHOLD ROSTER FOR THE FIRST FARMER (B14=1). START WITH QUESTION G02 FOR THE FIRST FARMER. IF THERE IS MORE THAN ONE FARMER IN THE HOUSEHOLD THEN INTERVIEW ALL ADDITIONAL FARMERS AS NEEDED. IF THE FARMER IS ABSENT AFTER THREE TRIES AN ALTERNATE RESPONDENT MAY BE INTERVIEWED ONLY IF HE/SHE IS KNOWLEDGABLE ABOUT THE FARMER'S AGRICULTURAL PRACTICES AND DECISIONS.				
G02A	FARMER FROM THE HOUSEHOLD ROSTER (B14 = 1)	LINE NO. (B01)	LINE NO. (B01)	LINE NO. (B01)
G02B	FARMER'S SEX FROM THE HOUSEHOLD ROSTER (B04)	MALE 1 FEMALE 2	MALE 1 FEMALE 2	MALE 1 FEMALE 2
G03	OBTAIN CONSENT. DOES [NAME] AGREE TO PARTICIPATE IN THE SURVEY?	YES 1 (SKIP TO G04) ← NO 2 (SKIP TO G22) ← NOT AVAILABLE 3	YES 1 (SKIP TO G04) ← NO 2 (SKIP TO G22) ← NOT AVAILABLE 3	YES 1 (SKIP TO G04) ← NO 2 (SKIP TO G22) ← NOT AVAILABLE 3
G04	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/store/sell the harvest? VERIFY THAT RESPONDENT UNDERSTANDS THAT HAVING "ACCESS" AND MAKING "DECISIONS" OVER A PLOT OF LAND DOES 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.	YES 1 NO 2 (SKIP TO G05) ←	YES 1 NO 2 (SKIP TO G05) ←	YES 1 NO 2 (SKIP TO G05) ←
G04A	Do you own, rent, or sharecrop the land over which you make decisions?	OWN 1 RENT 2 SHARECROP 3 NONE OF THESE 4 (SKIP TO G05) ←	OWN 1 RENT 2 SHARECROP 3 NONE OF THESE 4 (SKIP TO G05) ←	OWN 1 RENT 2 SHARECROP 3 NONE OF THESE 4 (SKIP TO G05) ←
G04B	What was your farm size (the largest total area of your farmland) in any cropping season in the past 12 months? INCLUDE LAND THAT IS OWNED, RENTED OR SHARE CROPPED	. AREA HECTARES 1 SQUARE METERS 2 [LOCAL UNITS] 3 OTHER SPECIFY 4	. AREA HECTARES 1 SQUARE METERS 2 [LOCAL UNITS] 3 OTHER SPECIFY 4	. AREA HECTARES 1 SQUARE METERS 2 [LOCAL UNITS] 3 OTHER SPECIFY 4
G04D	Have you harvested any crops in the current (2020) season?	YES 1 NO 2 (SKIP TO G05) ←	YES 1 NO 2 (SKIP TO G05) ←	YES 1 NO 2 (SKIP TO G05) ←
G04E	How much of the harvesting do you estimate you have completed?	Less than 25 percent 1 25 - 50 percent 2 More than 50 percent 3	Less than 25 percent 1 25 - 50 percent 2 More than 50 percent 3	Less than 25 percent 1 25 - 50 percent 2 More than 50 percent 3
G05	Do you have animals and/or aquaculture products over which you make decisions about their management OR how to dispose/store/sell of the production?	YES 1 NO 2	YES 1 NO 2	YES 1 NO 2
	CHECK ANSWERS TO QUESTIONS G04 AND G05. IS THE ANSWER TO QUESTION G04 OR G05 "YES"?	IF YES, THEN CONTINUE. IF NO, SKIP TO G22.	IF YES, THEN CONTINUE. IF NO, SKIP TO G22.	IF YES, THEN CONTINUE. IF NO, SKIP TO G22.

NO.	QUESTIONS AND FILTERS	FIRST FARMER NAME	SECOND FARMER NAME	THIRD FARMER NAME
FINANCIAL SERVICES				
G07	Did you take any agricultural credit, in cash or in kind, in the [PAST 12 MONTHS]? PROBES: Village savings and credit groups, farmers group, MFI, Bank, RUSACCO etc.	YES 1 NO 2	YES 1 NO 2	YES 1 NO 2
G08	Did you save any cash in the [PAST 12 MONTHS]? PROBES: village savings and credit group, MFI, cooperatives, bank, mobile banking, etc.	YES 1 NO 2	YES 1 NO 2	YES 1 NO 2
G09	Some people insure their agricultural production against negative unexpected circumstances, such as drought, floods, and pests by paying for this service. Did you buy agricultural insurance in the [PAST 12 MONTHS] ?	YES 1 NO 2	YES 1 NO 2	YES 1 NO 2
	CHECK ANSWER TO QUESTION G04. IS THE ANSWER TO QUESTION G04 "YES"?	IF YES, THEN CONTINUE. IF NO, SKIP TO G16.	IF YES, THEN CONTINUE. IF NO, SKIP TO G16.	IF YES, THEN CONTINUE. IF NO, SKIP TO G16.
SORGHUM				
G12	In the past 12 months, did you plant any SORGHUM in the plots over which you make decisions?	YES 1 NO 2 (SKIP TO G13) ←	YES 1 NO 2 (SKIP TO G13) ←	YES 1 NO 2 (SKIP TO G13) ←
G12A	Did you use any of these practices for cultivation of the SORGHUM in the [PAST 12 MONTHS] ? CIRCLE ALL PRACTICES THAT ARE MENTIONED, IF NONE USED, CIRCLE Y	ZAI PITS..... A AGRICULTURAL HALF-MOONS..... B ORGANIC MANURE..... C PHOSPHATIC MANURE..... D COMPOST..... E MICRODOSES OF FERTILIZER..... F CONTROL OF SIDA CORDIFOLIA GROWTH..... G PERFORMING AT LEAST THREE WEEDINGS..... H DELAY OF SEEDLINGS AT THIRD OR FOURTH RAINS TO CONTROL PESTS..... I SOWING AFTER USEFUL RAIN..... J CROP ASSOCIATION..... K CROP ROTATION..... L SEED TREATMENT WITH FUNGICIDES..... M USE OF IMPROVED SEEDS..... N USE OF CLIMATE INFORMATION (RAIN FORECAST, DISASTER RISKS, ETC.)..... O DID NOT USE ANY OF THESE PRACTICES IN PAST 12 MONTHS..... Y		
		ABCDEFGHIJKLMNOY	ABCDEFGHIJKLMNOY	ABCDEFGHIJKLMNOY
MILLET				
G13	In the past 12 months, did you plant any MILLET in the plots over which you make decisions?	YES 1 NO 2 (SKIP TO G14) ←	YES 1 NO 2 (SKIP TO G14) ←	YES 1 NO 2 (SKIP TO G14) ←
G13A	Did you use any of these practices for cultivation of the MILLET in the [PAST 12 MONTHS] ? CIRCLE ALL PRACTICES THAT ARE MENTIONED, IF NONE USED, CIRCLE Y	ZAI PITS..... A AGRICULTURAL HALF-MOONS..... B ORGANIC MANURE..... C PHOSPHATIC MANURE..... D COMPOST..... E MICRODOSES OF FERTILIZER..... F CONTROL OF SIDA CORDIFOLIA GROWTH..... G PERFORMING AT LEAST THREE WEEDINGS..... H DELAY OF SEEDLINGS AT THIRD OR FOURTH RAINS TO CONTROL PESTS..... I SOWING AFTER USEFUL RAIN..... J CROP ASSOCIATION..... K CROP ROTATION..... L SEED TREATMENT WITH FUNGICIDES..... M USE OF IMPROVED SEEDS..... N USE OF CLIMATE INFORMATION (RAIN FORECAST, DISASTER RISKS, ETC.)..... O DID NOT USE ANY OF THESE PRACTICES IN PAST 12 MONTHS..... Y		
		ABCDEFGHIJKLMNOY	ABCDEFGHIJKLMNOY	ABCDEFGHIJKLMNOY

NO.	QUESTIONS AND FILTERS	NAME FIRST FARMER	NAME SECOND FARMER	NAME THIRD FARMER
COWPEAS				
G14	In the past 12 months, did you plant any COWPEAS in the plots over which you make decisions?	YES 1 NO 2 (SKIP TO G15) ←	YES 1 NO 2 (SKIP TO G15) ←	YES 1 NO 2 (SKIP TO G15) ←
G14A	Did you use any of these practices for cultivation of the COWPEAS in the [PAST 12 MONTHS] ? CIRCLE ALL PRACTICES THAT ARE MENTIONED, IF NONE USED, CIRCLE Y	ZAI PITS..... A AGRICULTURAL HALF-MOONS..... B ORGANIC MANURE..... C PHOSPHATIC MANURE..... D COMPOST..... E MICRODOSES OF FERTILIZER..... F CONTROL OF SIDA CORDIFOLIA GROWTH..... G PERFORMING AT LEAST THREE WEEDINGS..... H DELAY OF SEEDLINGS AT THIRD OR FOURTH RAINS TO CONTROL PESTS..... I SOWING AFTER USEFUL RAIN..... J CROP ASSOCIATION..... K CROP ROTATION..... L SEED TREATMENT WITH FUNGICIDES..... M USE OF IMPROVED SEEDS..... N USE OF CLIMATE INFORMATION (RAIN FORECAST, DISASTER RISKS, ETC.)..... O DID NOT USE ANY OF THESE PRACTICES IN PAST 12 MONTHS..... Y		
		ABCDEFGHIJKLMNOY	ABCDEFGHIJKLMNOY	ABCDEFGHIJKLMNOY
PEANUTS (GROUNDNUTS)				
G15	In the past 12 months, did you plant any PEANUTS in the plots over which you make decisions?	YES 1 NO 2 (SKIP TO G16) ←	YES 1 NO 2 (SKIP TO G16) ←	YES 1 NO 2 (SKIP TO G16) ←
G15A	Did you use any of these practices for cultivation of the PEANUTS in the [PAST 12 MONTHS] ? CIRCLE ALL PRACTICES THAT ARE MENTIONED, IF NONE USED, CIRCLE Y	ZAI PITS..... A AGRICULTURAL HALF-MOONS..... B ORGANIC MANURE..... C PHOSPHATIC MANURE..... D COMPOST..... E MICRODOSES OF FERTILIZER..... F CONTROL OF SIDA CORDIFOLIA GROWTH..... G PERFORMING AT LEAST THREE WEEDINGS..... H DELAY OF SEEDLINGS AT THIRD OR FOURTH RAINS TO CONTROL PESTS..... I SOWING AFTER USEFUL RAIN..... J CROP ASSOCIATION..... K CROP ROTATION..... L SEED TREATMENT WITH FUNGICIDES..... M USE OF IMPROVED SEEDS..... N USE OF CLIMATE INFORMATION (RAIN FORECAST, DISASTER RISKS, ETC.)..... O DID NOT USE ANY OF THESE PRACTICES IN PAST 12 MONTHS..... Y		
		ABCDEFGHIJKLMNOY	ABCDEFGHIJKLMNOY	ABCDEFGHIJKLMNOY
G16	CHECK ANSWER TO QUESTION G05. IS THE ANSWER TO QUESTION G05 "YES"?	IF YES, THEN CONTINUE. IF NO, SKIP TO G20.	IF YES, THEN CONTINUE. IF NO, SKIP TO G20.	IF YES, THEN CONTINUE. IF NO, SKIP TO G20.
GOATS				
G17	In the past 12 months, did you raise GOATS?	YES 1 NO 2 (SKIP TO G18) ←	YES 1 NO 2 (SKIP TO G18) ←	YES 1 NO 2 (SKIP TO G18) ←
G17A	Did you use any of the following practices when you cared for the GOATS during the [PAST 12 MONTHS] ? CIRCLE ALL PRACTICES THAT ARE MENTIONED, IF NONE USED, CIRCLE Y	IMPROVED FODDER PRODUCTION..... A USE OF LICKING AND/OR MULTI-NUTRITIONAL BLOCK..... B ANIMAL SELECTION..... C VACCINATIONS..... D ANTIPARASITIC TREATMENTS..... E VETERINARY MONITORING OF FOOD QUALITY AND QUANTITY OVER TIME..... F WEIGHT MONITORING..... G OPTIMUM WEIGHT-MARKET PRICE CRITERIA FOR THE SALE DECISION..... H USE OF PARA-VETERINARY SERVICES FOR GOATS AND SHEEP..... I DID NOT USE ANY OF THESE PRACTICES IN PAST 12 MONTHS..... Y		
		ABCDEFGHIY	ABCDEFGHIY	ABCDEFGHIY
SHEEP				
G18	In the past 12 months, did you raise SHEEP?	YES 1 NO 2 (SKIP TO G19) ←	YES 1 NO 2 (SKIP TO G19) ←	YES 1 NO 2 (SKIP TO G19) ←
G18A	Did you use any of the following practices when you cared for the SHEEP during the [PAST 12 MONTHS] ? CIRCLE ALL PRACTICES THAT ARE MENTIONED, IF NONE USED, CIRCLE Y	IMPROVED FODDER PRODUCTION..... A USE OF LICKING AND/OR MULTI-NUTRITIONAL BLOCK..... B ANIMAL SELECTION..... C VACCINATIONS..... D ANTIPARASITIC TREATMENTS..... E VETERINARY MONITORING OF FOOD QUALITY AND QUANTITY OVER TIME..... F WEIGHT MONITORING..... G OPTIMUM WEIGHT-MARKET PRICE CRITERIA FOR THE SALE DECISION..... H USE OF PARA-VETERINARY SERVICES FOR GOATS AND SHEEP..... I DID NOT USE ANY OF THESE PRACTICES IN PAST 12 MONTHS..... Y		
		ABCDEFGHIY	ABCDEFGHIY	ABCDEFGHIY

NO.	QUESTIONS AND FILTERS	NAME <u>FIRST FARMER</u>	NAME <u>SECOND FARMER</u>	NAME <u>THIRD FARMER</u>
POULTRY				
G19	In the past 12 months, did you raise POULTRY?	YES 1 NO 2 (SKIP TO G20) ←	YES 1 NO 2 (SKIP TO G20) ←	YES 1 NO 2 (SKIP TO G20) ←
G19A	Did you use any of the following practices when you cared for the POULTRY during the [PAST 12 MONTHS]? CIRCLE ALL PRACTICES THAT ARE MENTIONED, IF NONE USED, CIRCLE Y	USE OF IMPROVED POULTRY VARIETY/BREED..... A USE OF IMPROVED FEED..... B USE OF IMPROVED SHELTERS..... C VACCINATIONS..... D USE OF VETERINARY PRODUCTS AND SERVICES (ANTIBIOTICS, VITAMINS, ETC.)..... E DID NOT USE ANY OF THESE PRACTICES IN PAST 12 MONTHS..... Y		
		A B C D E Y	A B C D E Y	A B C D E Y
G19B	In the past 12 months, how many POULTRY did you raise?	NUMBER	NUMBER	NUMBER
G19C	In the past 12 months, how many POULTRY did you sell?	NUMBER	NUMBER	NUMBER
G19D	In the past 12 months, how many POULTRY did you consume?	NUMBER	NUMBER	NUMBER
G19E	In the past 12 months, how many POULTRY did you gift or loan out to others?	NUMBER	NUMBER	NUMBER
G19F	In the past 12 months, how many POULTRY died?	NUMBER	NUMBER	NUMBER
G19G	In the past 7 days, how many eggs have your poultry produced?	NUMBER	NUMBER	NUMBER
G19H	In the past 7 days how much of the eggs were sold, consumed, gifted/loaned, or held/lost?	PERCENT SOLD CONSUMED GIFT HELD/LOST TOTAL SHOULD EQUAL 100 PERCENT		
G20	CHECK ANSWERS TO QUESTIONS G04 AND G05. IS THE ANSWER TO QUESTION G04 OR G05 "YES"?	IF YES, THEN CONTINUE. IF NO, SKIP TO G22.	IF YES, THEN CONTINUE. IF NO, SKIP TO G22.	IF YES, THEN CONTINUE. IF NO, SKIP TO G22.
NATURAL RESOURCE MANAGEMENT				
G21	Did you use any of the following natural resources management practices or techniques during the [PAST 12 MONTHS]? CIRCLE ALL PRACTICES THAT ARE MENTIONED, IF NONE USED, CIRCLE Y	FARMER MANAGED NATURAL REGENERATION (FMNR)..... A DELIMITATION OF ANIMAL CORRIDORS AND PASTURE AREAS..... B PROTECTION OF PONDS AGAINST SILTING UP..... C FUNCTIONAL COMMUNITY-BASED CONFLICT MANAGEMENT MECHANISMS..... D DID NOT PRACTICE ANY OF THESE ACTIVITIES FOR THE PAST 12 MONTHS..... Y		
		A B C D Y	A B C D Y	A B C D Y
G22	THERE ARE NO MORE QUESTIONS FOR THIS FARMER.	GO TO G02 FOR ANOTHER FARMER. IF THERE ARE NO MORE FARMERS, GO TO G23.	GO TO G02 FOR ANOTHER FARMER. IF THERE ARE NO MORE FARMERS, GO TO G23.	GO TO G02 FOR ANOTHER FARMER. IF THERE ARE NO MORE FARMERS, GO TO G23.
G23	INSERT TIME MODULE ENDED	HOUR	MINUTE	→ NEXT MODULE

MODULE 7.51 - AGRICULTURAL PRODUCTION - GOATS			
7.51.00a	CHECK MODULE G QUESTION G17. IF FARMER ANSWERED YES THEN CONTINUE WITH 7.51.00b.		
7.51.00b	"Next I would like to ask you about the goats you raised during the past 12 months. A herd of goats can include both adult goats and young goats. "		
NO.	QUESTIONS AND FILTERS	CODING CATEGORIES	SKIP
7.5101a	Adult goats are one year old or older. How many adult male goats do you own?	NUMBER OF ADULT MALES NONE 00 → 7.5102a	
7.5101b	About how much do your adult male goats weigh?	WEIGHT IN KILOGRAMS	
7.5102a	And how many adult female goats do you own?	NUMBER OF ADULT FEMALES NONE 00 → 7.5103a	
7.5102b	About how much do your adult female goats weigh?	WEIGHT IN KILOGRAMS	
7.5103a	Young goats are less than one year old. How many young male goats do you own?	NUMBER OF YOUNG MALES NONE 00 → 7.5104a	
7.5103b	About how much do your young male goats weigh?	WEIGHT IN KILOGRAMS	
7.5104a	And how many young female goats do you own?	NUMBER OF YOUNG FEMALES NONE 00 → 7.5105	
7.5104b	About how much do your young female goats weigh?	WEIGHT IN KILOGRAMS	
7.5105	How many of your female goats gave birth in the past 12 months?	TOTAL NUMBER OF FEMALES THAT GAVE BIRTH NONE 00	
7.5142	How do you decide when to sell one of your goats? SELECT ALL THAT APPLY	WHEN THERE IS A NEED FOR CASH A WHEN MARKET IS GOOD (EX.: FESTIVAL TIME) B WHEN HER DAM IS POOR-PERFORMING C WHEN HER MILK PRODUCTION FALLS BELOW A CERTAIN LEVEL C WHEN SHE DOESN'T RE-BREED D WHEN SHE GETS TOO OLD E WHEN HERD SIZE IS NOT MANAGEABLE F WHEN THERE IS NOT ENOUGH FOOD TO FEED ALL OF THE ANIMALS G OTHER (SPECIFY) X	
7.5143	When decisions are made regarding selling a goat, who is it that normally takes the decision? SELECT ALL THAT APPLY	SELF A PARTNER/SPOUSE B OTHER HOUSEHOLD MEMBER C OTHER NON-HOUSEHOLD MEMBER D	
7.5144	In the past 12 months, how many female goats did you sell?	NUMBER OF FEMALES SOLD NONE 00 → 7.5146	
7.5145	Of the female goats you sold in the past 12 months, how many were adults, over one year old?	NUMBER OF ADULT FEMALES SOLD NONE 00	
7.5146	In the past 12 months, how many male goats did you sell?	NUMBER OF MALES SOLD NONE 00 → 7.5144a	

NO.	QUESTIONS AND FILTERS	CODING CATEGORIES	SKIP
7.5147	Of the male goats you sold in the past 12 months, how many were adults, over one year old?	NUMBER OF ADULT MALES SOLD NONE 00	
7.5144a	In the past 12 months, how many female goats did your household consume?	NUMBER OF FEMALES CONSUMED NONE 00 →	7.5146a
7.5145a	Of the female goats your household consumed in the past 12 months, how many were adults, over one year old?	NUMBER OF ADULT FEMALES CONSUMED NONE 00	
7.5146a	In the past 12 months, how many male goats did your household consume?	NUMBER OF MALES CONSUMED NONE 00 →	7.5144b
7.5147a	Of the male goats you consumed in the past 12 months, how many were adults, over one year old?	NUMBER OF ADULT MALES CONSUMED NONE 00	
7.5144b	In the past 12 months, how many female goats did you gift or loan out to others?	NUMBER OF FEMALES GIFTED/LOANED NONE 00 →	7.5146b
7.5145b	Of the female goats you gifted or loaned out to others in the past 12 months, how many were adults, over one year old?	NUMBER OF ADULT FEMALES GIFTED/LOANED NONE 00	
7.5146b	In the past 12 months, how many male goats did you gift or loan out to others?	NUMBER OF MALES GIFTED/LOANED NONE 00 →	7.5147c
7.5147b	Of the male goats you gifted or loaned out to others in the past 12 months, how many were adults, over one year old?	NUMBER OF ADULT MALES GIFTED/LOANED NONE 00	
7.5147c	In the past 12 months, how many of your goats died?	NUMBER OF GOATS DIED NONE 00	
7.5148	What information source do you rely on the most to help you increase the production from your goats?	FRIEND/NEIGHBOR 01 COMMUNITY ANIMAL HEALTH WORKER 02 LOCAL AGROVET SUPPLIER 03 PRIVATE VETERINARY PHARMACY 04 AG EXTENSION WORKER 05 SCHOOL 06 RADIO PROGRAM 07 TELEVISION 08 MOBILE PHONE MESSAGING 09 INTERNET 10 OTHER (SPECIFY) 96	
7.5149	ENTER TIME MODULE FINISHED	HOUR MINUTE	→ NEXT MODULE

MODULE 7.52 - AGRICULTURAL PRODUCTION - SHEEP			
7.52.00a	CHECK MODULE G QUESTION G18. IF FARMER ANSWERED YES THEN CONTINUE WITH 7.52.00b.		
7.52.00b	"Next I would like to ask you about the SHEEP you raised during the past 12 months A herd of SHEEP can include both adult SHEEP and young SHEEP."		
NO.	QUESTIONS AND FILTERS	CODING CATEGORIES	SKIP
7.5201a	Adult SHEEP are one year old or older. How many adult male SHEEP do you own?	NUMBER OF ADULT MALES NONE 00 →	7.5102a
7.5201b	About how much do your adult male sheep weigh?	WEIGHT IN KILOGRAMS	
7.5102a	And how many adult female sheep do you own?	NUMBER OF ADULT FEMALES NONE 00 →	7.5203a
7.5202b	About how much do your adult female sheep weigh?	WEIGHT IN KILOGRAMS	
7.5203a	Young sheep are less than one year old. How many young male sheep do you own?	NUMBER OF YOUNG MALES NONE 00 →	7.5204a
7.5203b	About how much do your young male sheep weigh?	WEIGHT IN KILOGRAMS	
7.5204a	And how many young female sheep do you own?	NUMBER OF YOUNG FEMALES NONE 00 →	7.5205
7.5204b	About how much do your young female sheep weigh?	WEIGHT IN KILOGRAMS	
7.5205	How many of your female sheep gave birth in the past 12 months?	TOTAL NUMBER OF FEMALES THAT GAVE BIRTH NONE 00	
7.5242	How do you decide when to sell one of your SHEEP? SELECT ALL THAT APPLY	WHEN THERE IS A NEED FOR CASH A WHEN MARKET IS GOOD (EX.: FESTIVAL TIME) B WHEN HER DAM IS POOR-PERFORMING C WHEN HER MILK PRODUCTION FALLS BELOW A CERTAIN LEVEL C WHEN SHE DOESN'T RE-BREED D WHEN SHE GETS TOO OLD E WHEN HERD SIZE IS NOT MANAGEABLE F WHEN THERE IS NOT ENOUGH FOOD TO FEED ALL OF THE ANIMALS G OTHER (SPECIFY) X	
7.5243	When decisions are made regarding selling a SHEEP, who is it that normally takes the decision? SELECT ALL THAT APPLY	SELF A PARTNER/SPOUSE B OTHER HOUSEHOLD MEMBER C OTHER NON-HOUSEHOLD MEMBER D	
7.5244	In the past 12 months, how many female SHEEP did you sell?	NUMBER OF FEMALES SOLD NONE 00 →	7.5246
7.5245	Of the female SHEEP you sold in the past 12 months, how many were adults, over one year old?	NUMBER OF ADULT FEMALES SOLD NONE 00	
7.5246	In the past 12 months, how many male SHEEP did you sell?	NUMBER OF MALES SOLD NONE 00 →	7.5244a

NO.	QUESTIONS AND FILTERS	CODING CATEGORIES	SKIP
7.5247	Of the male SHEEP you sold in the past 12 months, how many were adults, over one year old?	NUMBER OF ADULT MALES SOLD NONE 00	
7.5244a	In the past 12 months, how many female SHEEP did your household consume?	NUMBER OF FEMALES CONSUMED NONE 00 →	7.5246a
7.5245a	Of the female SHEEP your household consumed in the past 12 months, how many were adults, over one year old?	NUMBER OF ADULT FEMALES CONSUMED NONE 00	
7.5246a	In the past 12 months, how many male SHEEP did your household consume?	NUMBER OF MALES CONSUMED NONE 00 →	7.5244b
7.5247a	Of the male SHEEP you consumed in the past 12 months, how many were adults, over one year old?	NUMBER OF ADULT MALES CONSUMED NONE 00	
7.5244b	In the past 12 months, how many female SHEEP did you gift or loan out to others?	NUMBER OF FEMALES GIFTED/LOANED NONE 00 →	7.5246b
7.5245b	Of the female SHEEP you gifted or loaned out to others in the past 12 months, how many were adults, over one year old?	NUMBER OF ADULT FEMALES GIFTED/LOANED NONE 00	
7.5246b	In the past 12 months, how many male SHEEP did you gift or loan out to others?	NUMBER OF MALES GIFTED/LOANED NONE 00 →	7.5247c
7.5247b	Of the male SHEEP you gifted or loaned out to others in the past 12 months, how many were adults, over one year old?	NUMBER OF ADULT MALES GIFTED/LOANED NONE 00	
7.5247c	In the past 12 months, how many of your SHEEP died?	NUMBER OF SHEEP DIED NONE 00	
7.5248	What information source do you rely on the most to help you increase the production from your SHEEP?	FRIEND/NEIGHBOR 01 COMMUNITY ANIMAL HEALTH WORKER 02 LOCAL AGROVET SUPPLIER 03 PRIVATE VETERINARY PHARMACY 04 AG EXTENSION WORKER 05 SCHOOL 06 RADIO PROGRAM 07 TELEVISION 08 MOBILE PHONE MESSAGING 09 INTERNET 10 OTHER (SPECIFY) 96	
7.5249	ENTER TIME MODULE FINISHED	HOUR MINUTE	→ NEXT MODULE

PLOTS/LAND MAP - FARMER 1																																																										
7.9000A	ENTER TIME MODULE STARTED	HOUR																																																								
7.9000B	CLUSTER AND HOUSEHOLD NUMBER	CLUSTER																																																								
7.9000C	NAME AND LINE NUMBER OF ELIGIBLE RESPONDENT (FARMER)	NAME																																																								
7.9000D	CHECK QUESTIONS G13, G14, G15, G16: WHICH C-VCCS DID FARMER 1 CULTIVATE? SELECT ALL THAT APPLY. IF FARMER DID NOT CULTIVATE ONE OF THE CROPS OF INTEREST THEN SKIP TO NEXT FARMER.																																																									
	[C-VCC1]	SORGHUM	A																																																							
	[C-VCC2]	MILLET	B																																																							
	[C-VCC3]	COWPEAS	C																																																							
	[C-VCC3]	PEANUTS	D																																																							
7.9000E	1) MAP OUT/DRAW THE LAND WHERE THE RESPONDENT CULTIVATED C-VCC(S) DURING THE PAST 12 MONTHS. CONFIRM THAT THE RESPONDENT IS THE PERSON IN THE HOUSEHOLD PRIMARILY RESPONSIBLE FOR MAKING DECISIONS ABOUT CULTIVATING EACH OF THE PLOTS, AND THAT NO OTHER HOUSEHOLD MEMBER CLAIMS TO BE THE PRIMARY DECISIONMAKER FOR ANY OF THESE PLOTS. 2) ASSIGN EACH PLOT A NUMBER (E.G., 1, 2, 3, 4). 3) INDICATE FOR EACH PLOT WHAT VCC(S) WERE GROWN ON THE PLOT. THE PLOT INFORMATION IN THIS DIAGRAM WILL BE USED TO COMPLETE MODULE 7.91.																																																									
7.9000F	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.																																																									
		PLOT NUMBER	<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center; padding: 2px;">CROPS CULTIVATED</th> <th style="text-align: center; padding: 2px;">VCC1</th> <th style="text-align: center; padding: 2px;">VCC2</th> <th style="text-align: center; padding: 2px;">VCC3</th> <th style="text-align: center; padding: 2px;">VCC4</th> </tr> <tr> <th style="text-align: center; padding: 2px;">[CHECK BOX FOR CROPS CULTIVATED]</th> <th></th> <th></th> <th></th> <th></th> </tr> </thead> <tbody> <tr><td style="text-align: center;">☐</td><td style="text-align: center;">☐</td><td style="text-align: center;">☐</td><td style="text-align: center;">☐</td><td style="text-align: center;">☐</td></tr> <tr><td style="text-align: center;">☐</td><td style="text-align: center;">☐</td><td style="text-align: center;">☐</td><td style="text-align: center;">☐</td><td style="text-align: center;">☐</td></tr> <tr><td style="text-align: center;">☐</td><td style="text-align: center;">☐</td><td style="text-align: center;">☐</td><td style="text-align: center;">☐</td><td style="text-align: center;">☐</td></tr> <tr><td style="text-align: center;">☐</td><td style="text-align: center;">☐</td><td style="text-align: center;">☐</td><td style="text-align: center;">☐</td><td style="text-align: center;">☐</td></tr> <tr><td style="text-align: center;">☐</td><td style="text-align: center;">☐</td><td style="text-align: center;">☐</td><td style="text-align: center;">☐</td><td style="text-align: center;">☐</td></tr> <tr><td style="text-align: center;">☐</td><td style="text-align: center;">☐</td><td style="text-align: center;">☐</td><td style="text-align: center;">☐</td><td style="text-align: center;">☐</td></tr> <tr><td style="text-align: center;">☐</td><td style="text-align: center;">☐</td><td style="text-align: center;">☐</td><td style="text-align: center;">☐</td><td style="text-align: center;">☐</td></tr> <tr><td style="text-align: center;">☐</td><td style="text-align: center;">☐</td><td style="text-align: center;">☐</td><td style="text-align: center;">☐</td><td style="text-align: center;">☐</td></tr> <tr><td style="text-align: center;">☐</td><td style="text-align: center;">☐</td><td style="text-align: center;">☐</td><td style="text-align: center;">☐</td><td style="text-align: center;">☐</td></tr> </tbody> </table>	CROPS CULTIVATED	VCC1	VCC2	VCC3	VCC4	[CHECK BOX FOR CROPS CULTIVATED]					☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
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7.9000G	ENTER TIME MODULE FINISHED	HOUR																																																								

PLOT AREA - FARMER 1			
THIS MODULE WILL BE ADMINISTERED TO EACH FARMER WHO WAS THE PRIMARY DECISION MAKER OF A PLOT WHERE SORGHUM, MILLET, COWPEAS, OR PEANUTS WERE GROWN AS IDENTIFIED ON THE LAND MAP (MODULE 7.90). AT THE END OF THE MODULE, CHECK THE LAND MAP TO SEE IF THE FARMER WAS THE PRIMARY CULTIVATOR OF ANOTHER PLOT WITH ANY OF THE CROPS OF INTEREST. REPEAT THIS MODULE FOR ALL PLOTS IDENTIFIED ON THE LAND MAP WHERE THE FARMER INDICATED HE WAS THE PRIMARY CULTIVATOR OF ONE OF THE CROPS OF INTEREST.			
7.9100	"Next I will ask you some questions about Plot 1 where you were responsible for cultivating [C-VCC] in the PAST 12 MONTHS. SHOW PLOT 1 ON THE PLOT MAP TO THE RESPONDENT.		
NO.	QUESTIONS AND FILTERS	CODING CATEGORIES	SKIP
7.9100A	ENTER TIME MODULE STARTED	HOUR MINUTE	
7.9100B	CLUSTER AND HOUSEHOLD NUMBER	CLUSTER HH	
7.9100C	NAME AND LINE NUMBER OF ELIGIBLE RESPONDENT (FARMER)	NAME LINE NUMBER	
7.9106	What is the area of this plot?	. AREA REFUSED 999995 OTHER 999996 UNIT: HECTARES 1 SQUARE METERS 2 [LOCAL UNITS] 3 OTHER (SPECIFY) 6	→ 7.9109
7.9108	CHECK THE LAND DIAGRAM FOR FARMER 1, PLOT 1: LIST C-VCCs GROWN ON THIS PLOT. THEN FOR EACH C-VCC, ASK: How much of Plot 1 was cultivated with [C-VCC]? ENTER '000' FOR C-VCC NOT CULTIVATED IN PLOT.	CROP PERCENT AREA [C-VCC1] SORGHUM [C-VCC2] MILLET [C-VCC3] COWPEAS [C-VCC4] PEANUTS	
7.9109	CHECK LAND MAP. WAS THE RESPONDENT PRIMARILY RESPONSIBLE FOR CULTIVATING ANY OTHER PLOTS IN THE PAST 12 MONTHS?	YES 1 NO 2	GO TO NEXT PLOT → GO TO 7.92
7.9110	ENTER TIME MODULE FINISHED	HOUR MINUTE	

C-VCC YIELD - FARMER 1			
THIS MODULE WILL BE ADMINISTERED TO EACH FARMER WHO WAS THE PRIMARY DECISION MAKER OF A PLOT WHERE SORGHUM, MILLET, COWPEAS OR PEANUTS WERE GROWN AS IDENTIFIED ON THE LAND MAP (MODULE 7.90). QUESTIONS REFER TO THE ENTIRE HARVEST FOR EACH CROP, ACROSS ALL PLOTS. IF THE FARMER WAS THE PRIMARY CULTIVATOR OF MORE THAN ONE OF THE CROPS OF INTEREST, THEN REPEAT THE QUESTIONS FOR EACH CROP.			
7.9200 "Next I will ask you some questions about the [C-VCC] you harvested in the PAST 12 MONTHS."			
NO.	QUESTIONS AND FILTERS	CODING CATEGORIES	SKIP
7.9200A	ENTER TIME MODULE STARTED	HOUR MINUTE	
7.9200B	CLUSTER AND HOUSEHOLD NUMBER	CLUSTER HH	
7.9200C	NAME AND LINE NUMBER OF ELIGIBLE RESPONDENT (FARMER)	NAME _____ LINE NUMBER	
7.9200D	WHICH C-VCC ARE YOU ASKING ABOUT?	[C-VCC1] SORGHUM 1 [C-VCC2] MILLET 2 [C-VCC3] COWPEAS 3 [C-VCC4] PEANUTS 4	
7.9201	Altogether, how much [C-VCC] did you harvest in the past 12 MONTHS?	. Ton 1 Kilogram 2 Tie 3 Panier 4 Botte 5 50 kg bag 6 100 kg bag 7 150 kg bag 8 QUANTITY OTHER (SPECIFY) UNIT 9	
7.9202	How much of the harvested [C-VCC] did you sell? MAKE SURE THE UNITS ARE THE SAME UNITS REPORTED FOR QUANTITY HARVESTED	. Ton 1 Kilogram 2 Tie 3 Panier 4 Botte 5 50 kg bag 6 100 kg bag 7 150 kg bag 8 QUANTITY OTHER (SPECIFY) UNIT 9	
7.9203	Who was the main buyer of your harvested [C-VCC]?	RELATIVE/FRIEND 1 LOCAL MARKET 2 PRIVATE TRADER 3 AG CO-OP 4 OTHER (SPECIFY) 6	

C-VCC YIELD - FARMER 1			
THIS MODULE WILL BE ADMINISTERED TO EACH FARMER WHO WAS THE PRIMARY DECISION MAKER OF A PLOT WHERE SORGHUM, MILLET, COWPEAS OR PEANUTS WERE GROWN AS IDENTIFIED ON THE LAND MAP (MODULE 7.90). QUESTIONS REFER TO THE ENTIRE HARVEST FOR EACH CROP, ACROSS ALL PLOTS. IF THE FARMER WAS THE PRIMARY CULTIVATOR OF MORE THAN ONE OF THE CROPS OF INTEREST, THEN REPEAT THE QUESTIONS FOR EACH CROP.			
7.9200 "Next I will ask you some questions about the [C-VCC] you harvested in the PAST 12 MONTHS."			
NO.	QUESTIONS AND FILTERS	CODING CATEGORIES	SKIP
7.9204	How much of the harvested [C-VCC] was consumed by your household? MAKE SURE THE UNITS ARE THE SAME UNITS REPORTED FOR QUANTITY HARVESTED	QUANTITY UNIT Ton 1 Kilogram 2 Tie 3 Panier 4 Botte 5 50 kg bag 6 100 kg bag 7 150 kg bag 8 OTHER (SPECIFY) 9	
7.9205	Did you store the [C-VCC]?	YES 1 NO 2	7.9207
7.9206	Did you use any of these methods to store the [C-VCC] in the [PAST 12 MONTHS] ? CIRCLE ALL METHODS THAT ARE MENTIONED, IF NONE USED, CIRCLE Y	LOCALLY MADE STORAGE STRUCTURES SUCH AS SHEET METAL SILOS..... 1 SEALED/AIRTIGHT BAGS..... 2 COMMUNITY STORAGE FACILITIES, INCLUDING WAREHOUSE RECEIPTING..... 3 USE OF SOLAR OR FUEL-POWERED DRYERS TO REDUCE POST-HARVEST MOISTURE..... 4 SEED OR GRAIN TREATMENT TECHNIQUES INCLUDING BOTANICAL PEST CONTROL AGENTS OR PHYTOSANITARY IRRADIATION..... 5 GRAIN TREATMENT WITH AGRO-CHEMICALS..... 6 TRIPLE BAGS FOR COWPEA GRAIN PRESERVATION.... 7 OTHER POST-HARVEST PRACTICSS THAT REDUCE PRE-STORAGE LOSSES..... 8 DID NOT USE ANY OF THESE PRACTICES 9	
7.9207	ENTER TIME MODULE FINISHED	HOUR MINUTE	

<u>INTERVIEWER'S OBSERVATIONS</u>	
TO BE FILLED IN AFTER COMPLETING INTERVIEW	
COMMENTS ABOUT RESPONDENT:	
COMMENTS ON SPECIFIC QUESTIONS:	
ANY OTHER COMMENTS:	
<u>SUPERVISOR'S OBSERVATIONS</u>	
NAME OF TEAM LEADER: _____ DATE: _____	
<u>EDITOR'S OBSERVATIONS</u>	
NAME OF EDITOR: _____ DATE: _____	