



Federal Republic of Nigeria
National Bureau of Statistics (NBS)

GENERAL HOUSEHOLD SURVEY - PANEL (GHS-PANEL)

Wave 5 (2023/2024)
Post-Planting Visit

INTERVIEWER MANUAL

JULY 2023

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Introduction

The General Household Survey Panel (GHS-Panel) is a longitudinal survey in Nigeria that (i) provides critical information for production of a wide range of socio-economic and demographic indicators, including for benchmarking and monitoring of SDGs, (ii) collects data on household income-generating activities (agricultural and nonagricultural activities), as well as household expenditure and consumption, to enable the link to other facets of household behavior and characteristics (iii) provides statistical evidence and measure the impact on households of current and anticipated government policies. It is the only nationally representative panel survey in Nigeria that allows reporting and analysis across the poverty and agriculture space, and to date, four waves of the have been implemented and all the data are publicly available (2010/11, 2012/13, 2015/16, 2018/19). The post-planting visit of wave 5 will be conducted between July and September 2023.

The ability to follow the same households over a number of years makes the GHS-Panel a powerful tool for studying and understanding household welfare over time, which has been used extensively to investigate key policy questions that could only be addressed with longitudinal data. This capability was particularly useful during the COVID-19 pandemic when the COVID-19 National Longitudinal Phone Survey (NLPS) was established to measure impacts of the pandemic on Nigerian households. The information collected in the GHS-Panel just over a year prior (2018/19) to the onset of the pandemic provided a wealth of background information to the NLPS. In addition, the GHS-Panel allowed for more robust sample selection and weighting adjustments which reduced biases that can plague phone surveys. In **Phase 1 of the NLPS**, 12 rounds of monthly phone interviews with more than 1700 households were conducted from April 2020 to April 2021. **Phase 2 of the NLPS** commenced in November 2021 with bi-monthly phone interviews to continue monitoring in real-time how the Nigerian households are coping with national and global crises and their effects on the welfare and livelihoods of the households.

Focused on the goal of improving agricultural statistics, the World Bank, through funding from the Bill and Melinda Gates Foundation (BMGF), has been supporting seven countries in Sub-Saharan Africa in strengthening the production of household-level data on agriculture. The over-arching objective of the LSMS-ISA program is to improve our understanding of agriculture in Sub-Saharan Africa – specifically, its role in poverty reduction and how innovation and efficiency can be fostered in the sector. This goal will be achieved by developing and implementing an innovative model for collecting agricultural data in the region.

OBJECTIVES

- To allow welfare levels to be produced at the state level using small area estimation techniques resulting in state-level poverty figures
- To create opportunities to conduct more comprehensive analysis of poverty indicators and socio-economic characteristics
- To support the development and implementation of a Computer Assisted Personal Interview (CAPI) application for the paperless collection of GHS-P
- To develop an innovating model for collecting agricultural data
- To build capacity and develop sustainable systems for producing accurate and timely information on agricultural households in Nigeria.
- To actively disseminate agriculture statistics

Sample Design

The sample for the GHS-P W5 Post Planting Visit consists of the households that were interviewed during the GHS-P W4, an approximate sample of 5,000 households. All the households that were interviewed during the GHS-P W4 will be reached out. The survey will cover all 36 states and the Federal Capital Territory (FCT). Both urban and rural enumeration areas (EAs) will be canvassed.

Training for Fieldwork

- **Two levels of training will be conducted**
 - 1st level training at the NBS Headquarters, Abuja (TOT)
 - 2nd level training at Ibadan Business School (TOE)
- **1st level training for trainers (TOT)**
 - Participants to be trained will include:
 - 42 trainers
 - 28 Data editors
 - 4 Data assistants
 - 6 CAPI Staff: (3 CAPI Managers, 2 CAPI HQ, 1 CAPI Admin)
 - Training will last for six days
- **2nd level training will take place at Ibadan Business School (TOE)**
 - Participants to be trained will include:
 - Zonal Controllers
 - State officers
 - Supervisors
 - Interviewers
 - Field staff will be trained for data collection and CAPI
 - Training will last for 10 days

Field Procedures

FIELD SUPERVISION

The supervisor will manage all initial interactions with the community include meeting with the community leader or chief. The supervisor will also assist the interviewers with locating the assigned households and obtaining cooperation and consent from the households. Supervisors will be in touch with the interviewers regularly to observe them while conducting the interviews and ensure that it was properly done while still carrying out data collection on community questionnaire. The supervisor should take note of any issues observed during the course of an interview and discuss them with the team so the issue can be rectified. Any serious issues with an interviewer should be reported to the State Officer and HQ so appropriate action can be taken.

MONITORING OF FIELD WORK

To ensure that good quality data is collected, a monitoring exercise will be mounted. One monitor will be assigned to each state. There will be 3 levels of monitoring, the first and third by the state officers and zonal controllers

while the second level would be carried out by the technical team comprising National Bureau of Statistics (NBS) headquarters staff, and the World Bank

The monitors will ensure proper compliance with the laid down procedures as contained in the manual, effect necessary corrections and tackle any problems that may arise. The monitoring exercise will be arranged such that the first level would take off during the commencement of the fieldwork, and the third one not later than a week to the end of the data collection exercise. In between these two, the technical team will embark on another round of monitoring throughout the country. While the state officer will monitor in his/her own state, the zonal controller will mount it in at least 2 states (the zonal headquarters state and one other state of the same zone).

The first-round monitoring by State Officers/Zonal Controllers/Coordinators will last for 6 days. Following this, the second-round monitoring which will be done by the technical team/coordinators that will visit the states twice during data collection. Each visit will last for 5 days. Finally, the third round of monitoring by State Officers/Zonal Controllers/Coordinators exercise will last for 4 days. Monitoring instruments will be developed and discussed during training of trainers.

REMOTE MONITORING OF FIELDWORK

Besides the in-person monitoring of quality of the data collection by the monitors, there will also be remote monitoring by NBS ICT team and the World Bank. Each day, the World Bank team shall download the data from the server, run error checks on them, and communicate the results of the error checks to NBS ICT team. NBS ICT team shall in-turn send these communications to the field teams to take the required actions.

COORDINATION

Directorate members of staff of NBS will coordinate the survey. Activities to be coordinated will include zonal Training, fieldwork, remote monitoring, fieldwork monitoring, finance, etc. Coordination shall last throughout the duration of the survey.

The table below shows the different activities and their respective timelines for the project:

S/No	Activity	Duration/ Period
1	Training of Trainers	June 21 – June 26
2	Training of Enumerators	July 3 – July 12
3	Fieldwork – Post-Planting	July 31 – September 12
4	1st Monitoring (HQs Monitors/ Coordinators)	July 31 – August 6
5	2 nd Monitoring (Zonal Controllers)	August 4 – August 8
6	3 rd Monitoring (HQs Monitors)	August 20 – August 24
7	Data Processing and Analysis	September & October
8	2 nd Visit: Fieldwork – Post Harvest	January – February 2024

Conducting an Interview

Successful interviewing is an art and not a mechanical process and each interview is a new source of information to be made interesting and exciting. Although the art of interviewing develops with practice, there are basic principles e.g. on how to build rapport, conducting interviews etc., which are followed. It is essential for enumerators to develop the correct attitude in carrying out interviews. Some of the essential and necessary

attributes of a good enumerator or enumerator are: *politeness*, *patience* and *perseverance*. These terms are defined in more detail in subsequent paragraphs.

ESTABLISHING RAPPORT WITH THE RESPONDENT

The enumerator and the respondent are strangers to each other and one of the main task is to establish rapport. The first impression a respondent has of you is formed through your appearance. The way you dress, your voice, gender and age may determine whether your interview is successful or not. The enumerator's demographic characteristics i.e. gender and age play a role, in combination with similar respondent characteristics and the survey topic. Several refusals in a row might affect an enumerator's ability to approach the next household. So, the respondent and enumerator interaction determine the decision of the respondent to cooperate or refuse. Dress neatly and simply. A positive attitude enhances the chances of gaining cooperation from respondents. The enumerator should assess each situation and tailor his or her approach based on prior information, perhaps obtained at the initial contact.

Always carry your official identification card with you so the respondent knows you are coming from NBS and be comfortable that you are authorized.

APPROACHING THE DWELLING

Use a direction that appears to be well used as an entrance. Do not straddle fences or any other property boundaries. Ask locals or neighbours your way to the next dwelling unit when in doubt. Try not to arrive at the selected household at an inconvenient time of the day, such as mealtimes, or too late or too early in the morning. Try to arrive when the respondents will not be too busy to answer questions.

Make a good first impression

Always do your best to make the respondent feel at ease on your first visit. With a few well-chosen words you can put the respondent in the right frame of mind for the interview. Open the interview with a smile and greetings and then proceed with your introduction as specified on your questionnaire. A good introduction of yourself, the organization you are representing, the purpose of your visit and what sort of demands you are going to place on the respondent should all be briefly articulated to the respondent. You must be well versed in the local traditional forms of greetings (especially in rural settings). Avoid mumbling and waffling. By the end of this training session, it is hoped that these equally important aspects would have been covered fully.

Make sure that the respondents do not confuse you with others who might be visiting households for other reasons; for instance, malaria campaign.

If the respondents refuse to be interviewed, note the reasons on the questionnaire and inform your team leader who will take an appropriate decision. In such a circumstance, remain calm and polite at all times. Prior to declaring a household a total refusal, the enumerator must have applied the three Ps which stand for *Politeness*, *Patience*, and *Perseverance*.

- *Politeness* is best expressed as the practical application of good manners. The goal of politeness is to make all parties relaxed and comfortable with one another. It is a cultural phenomenon and therefore what is considered polite in one culture can sometimes be quite rude in another culture. Politeness must therefore seek to establish a positive relationship between parties.

- *Patience* is the state of enduring under difficult circumstances which can mean perseverance in the face of delay or provocation without acting on annoyance in a negative way, especially when faced with difficulties.
- *Perseverance* is the maintenance of effort in spite of difficulties encountered, it implies steadfastness, unrelenting continuance in spite of problems or challenges faced.

Always adopt a positive approach

Never be apologetic and do not use words like, "Are you too busy?" "Would you spare a few minutes?" or "Would you mind answering some questions?" Such questions obviously invite refusals before you start. "I would like to ask you a few questions" or "I would like to talk to you for a few minutes" Such statements may mislead the respondent to think that your mission is unimportant and invite refusal. You can proceed as follows:

"Hello, I am (Name) from the National Bureau of Statistics (NBS) and I am here to collect data on General Household Survey (GHS). All the data collected in the Survey is strictly confidential and will be published in aggregated form where personal information of the individual such as names and addresses will not be recognized."

Note again that, a positive attitude increases the chances of gaining cooperation from respondents.

- It is essential that you stress the confidentiality of all responses. You should never mention other interviews or show completed questionnaires to other enumerators or supervisors in front of a respondent or any other person.
- Avoid the presence of persons other than members of the household during the interview.

The presence of third parties during the interview may prevent you from getting honest and frank responses from the respondent. It also violates the rule of confidentiality. It is necessary that the interview is conducted as privately as is possible. A tactful attempt should be made to excuse third parties.

Answer any questions from the respondent frankly

The respondent may ask a few questions before agreeing to be interviewed. Be direct and pleasant and display your knowledge and understanding of all aspects of the questionnaire and the survey.

TIPS ON CONDUCTING THE INTERVIEW

Be neutral throughout the interview.

People are generally polite and may give answers they think you want to hear. Never allow the respondent to think that s(he) has given a right or wrong answer by an expression on your face or tone of your voice. Never appear to approve or disapprove any of the respondent's answers. Refer any questions raised by the respondent to the end of the interview. Note that questions are carefully worded to be neutral and do not suggest that one answer is more likely or preferable to another. Failing to read the complete question may destroy that neutrality. If an ambiguous answer is given, try to probe in a neutral way by asking like this: *"Can you explain a little more, I did not quite get you, could you please repeat what you said again?"*

- a) *Never ever suggest answers to the respondents.* For example, "*I suppose you mean that -----, is that right?*" Rather probe, that is, asking questions in such a manner that the respondent comes up with the relevant answer.
- b) *Do not change the wording or sequence of questions.* The wording and sequence of the questions must be maintained. If the question has been misunderstood, repeat it slowly and clearly. If it is not clear, you may reword the question but without altering the meaning of the original question.
- c) *Handle hesitant respondents tactfully.* A respondent may simply say, "*I don't know*", or may give an irrelevant answer or may act bored or detached or may contradict themselves or may refuse to answer. Try to instill interest of the respondent by spending a few moments talking about things unrelated to the interview. In doing so, please avoid engaging in potentially controversial topics or subjects such as politics, football, religion, etc. Confine your conversation to neutral topics such as the weather, agriculture and livestock, comments on the garden, etc. Do not interrupt the respondent or show any signs of impatience (*remember the 3 Ps*) when the respondent is giving irrelevant or elaborate answers. Listen to what she or he has to say and try to steer her or him back to the original question. Listening is an essential part of a two-way communication.
- d) *Do not form expectations.* You must not form expectations as to what is supposed to be the agricultural activities of the households. Also remember that differences between you and the respondent can influence the interviewee.
- e) *Do not hurry the interview.* Hurrying the interview may lead to errors in recording responses. You may also not get the correct and accurate answers from the respondent as he or she might not have fully understood or digested your question(s).

LANGUAGE OF INTERVIEW

The questionnaire for the GHS-P is only available in English. It is therefore imperative, that each team works out translations that fit the local dialects and culture where possible. It is very important not to change the meaning of the questions when you rephrase or interpret them. These additional translations should be done during the training and before the commencement of field work. State teams should discuss the questionnaire as a group to agree on appropriate translation of each question into the local language.

Computer-Assisted Personal Interview (CAPI): Survey Solutions

CAPI is an interviewing tool or technique in which the interviewer uses a computer—instead of paper and pen—to answer the questions during the interview. Survey Solutions is a CAPI software developed by the World Bank to assist governments, statistical offices and non-governmental organizations in conducting complex surveys with dynamic structures using tablet devices. Survey Solutions has two parts: The Designer and Interviewer. In the Designer, the administrator creates a questionnaire; design skips and specify quality controls. The Interviewer application is where the survey interviews are conducted in the field and completed interviews are sent to the survey server. Multiple communications will take place between the interviewers and their supervisors in the Interviewer. More on this in the Synchronization Section.

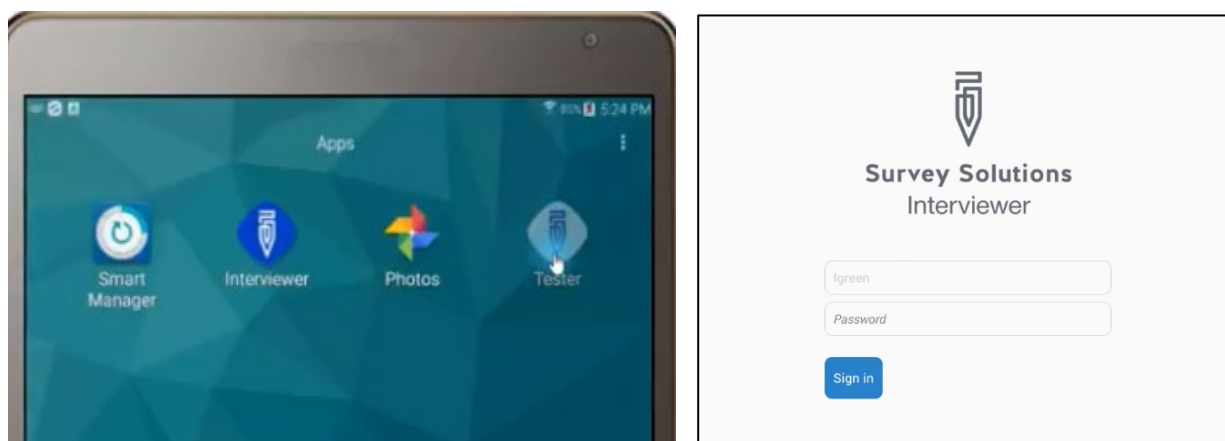
GETTING STARTED IN SURVEY SOLUTIONS INTERVIEWER

Survey Solutions Interviewer has been installed on the tablets for these surveys (Baseline and HFV), otherwise, you will need to download and install the application on your device. To get started, simply find the Survey Solutions Interviewer icon on your home screen or in the apps page of the Android device. Tap (equivalent of click on a computer) this icon to start Survey Solutions Interviewer. Once you open the Interviewer application, you will see a login screen.

LOGIN/LOGOUT

On the login page (shown in the figure on the right below), use your unique login and password to log in to see all your interviews. The login and password prevents others, particularly people outside of the survey, from accessing the sensitive data recorded on the device. At the end of the day, or whenever you are not using the tablet for an extended period, you should click on the menu button in the upper left-hand corner of the screen and select Sign out. This will make it so that no one can see the data recorded on the tablet.

To start work again, you should enter your unique Login and Password to continue collecting, editing or submitting data for the assignments on your account.



SYNCHRONIZATION: RECEIVING NEW INTERVIEWS AND SENDING COMPLETED ONES

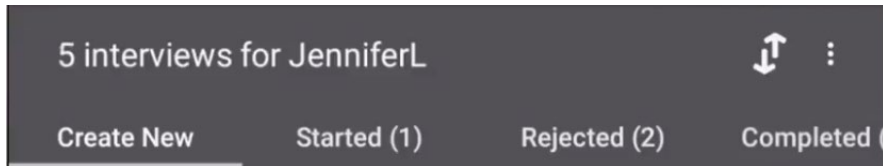
The Interviewer application is used for sending and receiving new interviews in Survey Solutions. This process is through Synchronization. Tapping the **Synchronization** button (shown in the figure below) at the upper right of your screen initiates communication between your tablet (device) and the survey server (called **Supervisor**). Synchronizing ("Synching") will send completed interviews to the survey server and will download new assignments and all rejected interviews. It also removes all assignments that have been assigned to another interviewer off your tablet. Upon completion of synchronization, the number of completed interviews uploaded, number of interviews deleted, number of rejected interviews returned, and the number of new assignments downloaded are clearly displayed in a status box.



Note: Please note that the whole synchronization process requires a form of wireless network access. If you are unable to synchronize or synchronization is unsuccessful, please follow the instructions given in the error message or contact your field supervisor for further assistance.

DASHBOARD: MANAGING WORKLOAD

The Interviewer dashboard offers a functional overview of the interviewer's assignments and their status. At the top of the dashboard, you will find four possible statuses: *Create New*, *Started*, *Rejected* and *Completed*. That is, on the dashboard, the interviewer can see how many interviews assigned to him/her, how many have been started, completed or even rejected (by the supervisor after submitting the interview) to be reviewed by the interviewer (see the figure below).



Each status on the dashboard is called a tab. To navigate between the different tabs, the interviewer can either tap on the tabs on top of the bar or swipe left or right, depending on desired movements. To help differentiate between the tabs, each tab is color coded as in the table below.

Dashboard Tabs:	Create New	Started	Rejected	Completed
Color Coding:	Gray	Blue	Red/Amber	Green

CREATE NEW INTERVIEWS (GRAY TAB)

Lists all assignments that you need to start. Each assignment has a unique number and title of the questionnaire assigned by Supervisor/Headquarters. To open a new interview, simply tap on "START NEW INTERVIEW", a blue rectangular bubble, to open a new interview for that assignment.

STARTED INTERVIEWS (BLUE TAB)

Contains interviews that you have started, but not marked as completed. To resume an assignment or interview, navigate to the "Started" tab on the dashboard and find the assignment you would like to resume. Tap on this assignment to expand it and tap the blue "OPEN" bubble to open it. All your previous work will appear in the assignment.

Note: *Survey Solutions automatically saves all work throughout the interview*

COMPLETED INTERVIEWS (GREEN TAB)

Contains interviews that you have marked as completed. Each completed interview is listed under the Completed tab until the interviewer synchronizes to upload it. To open a completed assignment, navigate to the "Completed" tab on the dashboard, find the assignment you wish to open. Tap once to expand the assignment card and tap the green "REOPEN" bubble to open it. All your previous work will appear in the assignment.

REJECTED INTERVIEWS (RED/AMBER TAB)

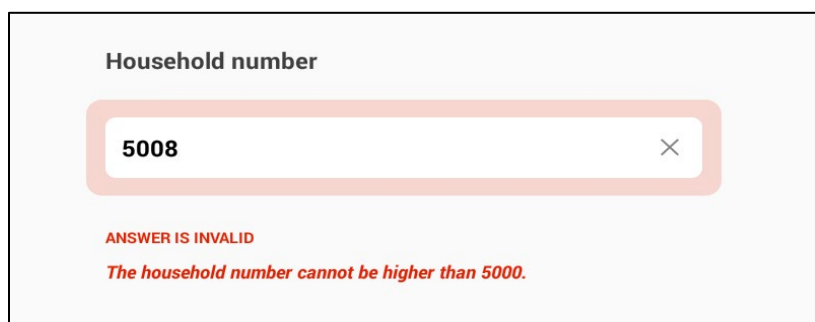
Contains assignments that you have uploaded (through synchronization), and supervisors have reviewed, found issues, and returned to you for corrections or clarifications. To open a rejected assignment, navigate to the

“Rejected” tab on the dashboard, find the assignment you would like to open and tap the red/amber “VIEWISSUES” bubble to open it.

INSIDE AN INTERVIEW

ERROR AND WARNING MESSAGES

HOW TO KNOW IF YOU HAVE MADE A MISTAKE



The screenshot shows a form titled "Household number". Below the title is a text input field containing the number "5008". The input field is highlighted with a red border. To the right of the input field is a small "X" icon. Below the input field, the text "ANSWER IS INVALID" is displayed in red. Below that, a red message states: "The household number cannot be higher than 5000."

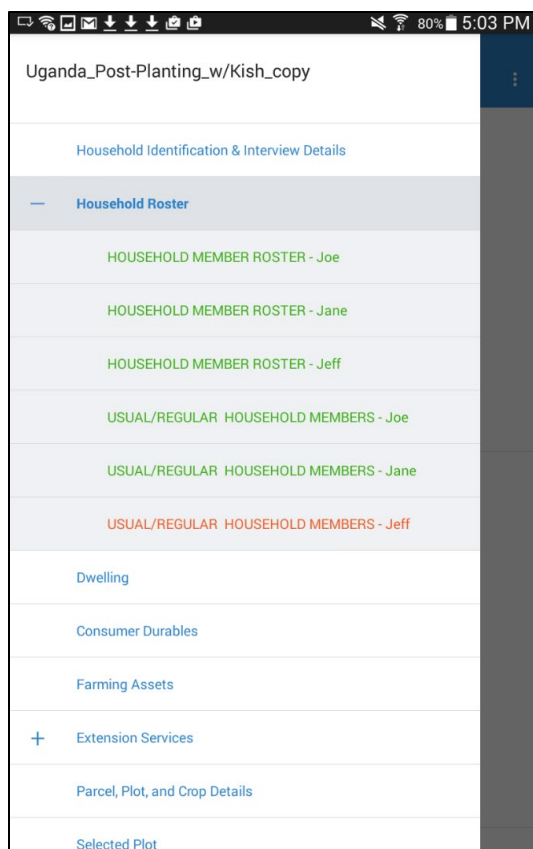
After an answer is recorded, the Interviewer application automatically assesses whether the answer is consistent with other answers in the questionnaire or plausible based on what is known about the survey population. If an answer is inconsistent or implausible, that answer is considered invalid. If an answer is invalid, the tablet will vibrate and the questions will be outlined in red (The tablet will also vibrate if the feature is enabled). An error message will appear to describe the problem (as shown above). **You should try to correct all errors as soon as they arise.**

Please note that an invalid answer does not necessarily mean that the answer is incorrect. If an invalid answer is indeed a wrong answer, check your work and correct the issue. Sometimes, you will need to probe the respondent further to correct the invalid answer. If the invalid answer is the correct answer, then please leave an explanatory comment for your supervisor and headquarter staff. (Please see the Comments section on how to leave comments for your supervisor.

CHECKING WHETHER ALL QUESTIONS HAVE BEEN ANSWERED

You should always try to answer all the questions. There are several options on how to check if you have answered all the questions in the questionnaire.

A section will turn **green** when all questions have been answered and none have invalid answers. **Blue** means that there are unanswered questions. **Red** indicates that one or more questions in the answer have an invalid answer. **Ensure that the section is green before you move onto the next section.**



Navigate to the Complete Screen using the navigation pane. Once on that screen, the number of unanswered and invalid questions are displayed. You can identify the unanswered questions by looking for blue sections in the navigation pane.

CHECKING THAT ALL ANSWERS ARE VALID

In addition to showing you the number of questions that are unanswered, the complete screen will also show you the number of questions that have errors. You can navigate to errors flagged by pressing on it in the list. **You should correct as many answers as you can before marking the interview as complete.**

LEAVING COMMENTS THE FOR SUPERVISOR/DATA EDITOR

Comments can be left on any question. They may be useful to explain answers that you have confirmed with the respondent but that may appear strange or wrong to anyone that will be checking the data from your interview. To leave a comment, press for a few seconds on the question you would like to leave a comment for. After a few seconds, a comment field will appear, into which you can type any arbitrary long comment.

Alternatively, your supervisor or data editor can also leave comments on questions for you. These comments will likely be questions about the answers you have recorded. The comments will appear next to commented questions. To find the comments, simply navigate to the question with comments.

Your supervisor/data editor can also leave a comment for the whole questionnaire. Any comment left on the whole questionnaire will appear on the card for that household in the Dashboard.


B2_3. How many rooms does your household use for sleeping?

5

YOUR COMMENT

This is a large house

B2_4. What type of material is mainly used for construction of the roof?



QUESTION TYPES

The questionnaire will have several different types of questions: numeric, text, single-select, multiple select, list, and date. As an interviewer, you must know how to answer each of them. To help you with that text, each question type is briefly explained below with visual aids.

NUMERIC QUESTIONS


B05. During the past 12 months, how many months did joe live here?

WRITE 12 IF ALWAYS PRESENT OR IF AWAY LESS THAN A MONTH.

MONTHS

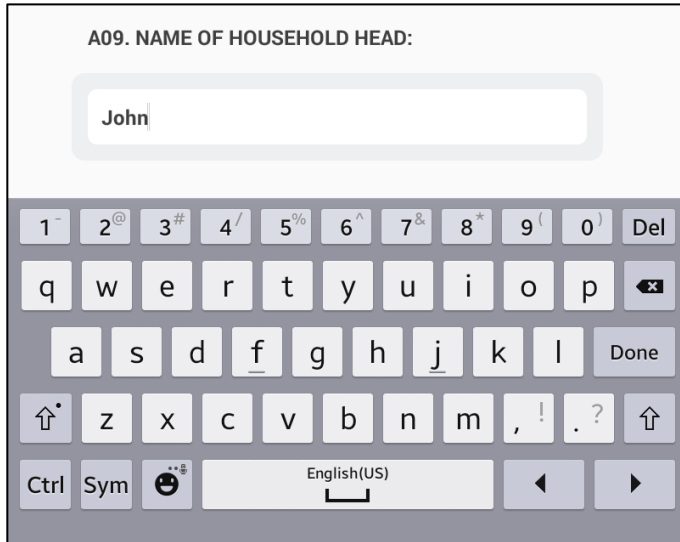
Tap to enter number

B06. If j...
main re...



Questions that take a numeric response have a field for an open numeric answer. When that field is tapped, the numeric keyboard will appear so you can enter the numeric answer. Use the decimal button to enter a decimal number as an answer. For example, 2.5.

TEXT



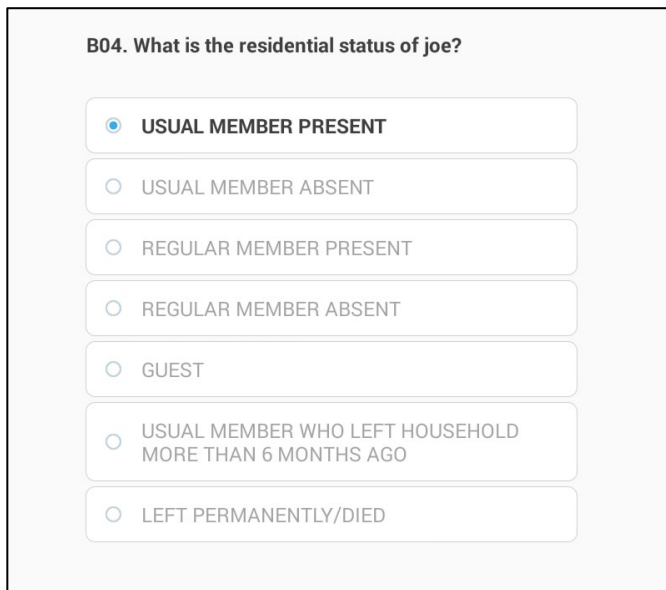
A09. NAME OF HOUSEHOLD HEAD:

John

The image shows a text input field with the name "John" entered. Below the field is a virtual keyboard with a standard QWERTY layout. The keyboard includes a "Done" button on the right side of the third row. The text field is highlighted with a light gray border.

Text questions have a field for an open text response. When that field is tapped, the text keyboard appears so that the interviewer can enter a text answer.

SINGLE SELECT



B04. What is the residential status of joe?

- ☒ USUAL MEMBER PRESENT
- ☐ USUAL MEMBER ABSENT
- ☐ REGULAR MEMBER PRESENT
- ☐ REGULAR MEMBER ABSENT
- ☐ GUEST
- ☐ USUAL MEMBER WHO LEFT HOUSEHOLD MORE THAN 6 MONTHS AGO
- ☐ LEFT PERMANENTLY/DIED

The image shows a single-select question interface. The question is "B04. What is the residential status of joe?". There are seven radio button options listed below the question. The first option, "USUAL MEMBER PRESENT", is selected, indicated by a blue dot next to the radio button. The other options are "USUAL MEMBER ABSENT", "REGULAR MEMBER PRESENT", "REGULAR MEMBER ABSENT", "GUEST", "USUAL MEMBER WHO LEFT HOUSEHOLD MORE THAN 6 MONTHS AGO", and "LEFT PERMANENTLY/DIED".

Single-select categorical questions have answer options with round buttons. This type of question allows you to select only one option as an answer. To answer this type of question, you should select the button next to the answer that you want to choose.

MULTIPLE SELECT

I03. What was the advice from NATIONAL AGRICULTURAL ADVISORY SERVICES (NAADS) about?

- ☒ Agricultural production
- ☐ Agricultural prices
- ☒ Agro-processing
- ☒ Crop Marketing
- ☐ Livestock Marketing
- ☐ Fishing production
- ☐ Livestock production: Meat
- ☐ Livestock production: Milk
- ☐ Prevention of Livestock diseases

Multi-select questions have answer options with check boxes. This question allows you to select many options as an answer. To answer this type of question, you should select the check box next to the answer that you want to choose. Follow the interviewer instructions to know how many options you can select. If there are no instructions, then select all the options corresponding to what the respondent answers.

MULTIPLE SELECT, YES/NO QUESTIONS

Does the enterprise sell [ITEM]?

Yes / No

- ☒ / ☐ Cereals ✕
- ☐ / ☒ Roots and Tubers ✕
- ☒ / ☐ Vegetables ✕
- ☒ / ☐ Fruits ✕
- ☒ / ☐ Meat and Fish ✕

Multi-select categorical questions in yes/no mode have two radio buttons for each item—the left one that denotes “Yes” and the right one that denotes “No”. To answer this type of question, the interviewer taps the radio button associated with Yes or No for every item to answer the question.

LIST

Household Roster

IN ORDER TO MAKE A COMPREHENSIVE LIST OF INDIVIDUALS CONNECTED TO THE HOUSEHOLD, USE THE FOLLOWING PROBE QUESTIONS:

Just to make sure that I have a complete listing:

a) Are there any other persons such as small children or infants that we have not listed?

b) Are there any other people who may not be members of your family such as domestic servants, lodgers or friends who usually live here?

c) Are there any guests or temporary visitors staying here, or anyone else who stayed here last night, who have not been listed? IF YES, what are their names?

B01. NAME

MAKE A COMPLETE LIST OF HOUSEHOLD MEMBERS IN THE LAST 12 MONTHS INCLUDING GUESTS WHO SLEPT HERE LAST NIGHT AND THOSE THAT LEFT THE HOUSEHOLD PERMANENTLY

Joe X

Jane X

Jeff X

Tap to enter new item

Tap on the empty text box and use the keyboard to input an answer. Additional elements can be added to the list until the maximum allowable number of items is reached.

To delete elements from the list, tap on the X mark. **Be careful:** Tapping on the X will delete data if the elements of a list question are linked to a roster (e.g., names of household members, each of which has their own row in the household demographics roster).

DATE: CURRENT TIME

Start time and date of the interview

Tap to record current time

Tap once on the “Tap to record current time” button. Then, the current time on the tablet will automatically be recorded and displayed above the button. If you would like to record the time again, tap on the button again.


GPS

GPS location of the household

Tap to record GPS

First, tap on the “record GPS” button. Then, the tablet automatically records the GPS coordinates. The GPS location is displayed immediately below the question text, showing the longitude, latitude, accuracy, and altitude.

GPS location of the household


-77.0425279, 38.8983335

Tap to record GPS

If GPS reading is not accurate enough, you may tap on the “record GPS” textbox again. Doing so will replace the old GPS reading with the new GPS reading. You can continue in this fashion until you obtain an adequately precise GPS reading.

The Questionnaire

DEFINITIONS

By the **PAST 7 DAYS** we mean the 7 days prior to the day of the interview. For example, if the interview takes place on Wednesday, consider the time between the morning of Wednesday one week earlier until the evening of Tuesday, the day before the interview.

By the **PAST 30 DAYS** we mean the month prior to the day of the interview. For example, if the interview takes place on 20th August, consider any item bought or paid for between the morning of 20th July until the evening of 19th August, the day before the interview.

By the **PAST 3 MONTHS** we mean the period from the same day of the month three months ago until the day before the interview. For example, if the interview takes place on 20th August 2018, consider the period between the morning of 20th May 2018 until the evening of 19th August 2018, the day before the interview.

By the **PAST 6 MONTHS** we mean the period from the same day of the month six months ago until the day before the interview. For example, if the interview takes place on 20th August 2018, consider the period between the morning of 20th February 2018 until the evening of 19th August 2018, the day before the interview.

By the **PAST 12 MONTHS** we mean the period from the same day and month one year ago until the day before the interview. For example, if the interview takes place on 20th August 2018, consider the period between the morning of 20th August 2017 until the evening of 19th August 2018, the day before the interview.

With the **AGRICULTURAL SEASON 2018/19** we mean the time from when the household started preparing their plots before the rainy season. Depending on the part of Nigeria this time should be around April 2018 and February 2019.

By **HOUSEHOLD** we mean a group of people who **USUALLY SLEEP** in the same dwelling and taken their **MEALS TOGETHER**, and either have been part of the household for at least 6 of the 12 months preceding the interview or are currently members and are expected to still be household members 6 months after the interview.

A **PLOT** is a continuous piece of land on which a unique crop or a mixture of crops is grown, under a uniform, consistent crop management system. It **MUST** be a continuous piece of land and **MUST NOT** be split by a river or a path of more than one metre in width. Plot boundaries are defined according to the crops grown and the operator.

COVER

Instructions: The Cover is first “section” in the questionnaires that you will see after creating an interview file for your assignment. It serves as a control step for you to verify that you have selected the correct assignment for the household. You do not have to fill in anything. **ONCE** you have cross check that you have selected the correct assignment, click **START**. If you have not selected the correct household, click on the 3 dots on the top right and go back to the dashboard.

HHID The unique household identifier. It is composed of the state code and the serial number of household in the LGA for **OLD PANEL HOUSEHOLDS**. For new **PANEL** households, it is a combination of several identifiers starting with state code.

STATE	The state where the household is located
LGA	The name of the LGA
EA CODE	The code of the enumeration area
EA NAME	The name of the enumeration area
STRUCTURE ID	The number of the structure in the EA from the listing. THIS IS ONLY PROVIDED FOR NEW PANEL EAs.
HOUSEHOLD ID	The number of the household within the structure. THIS IS ONLY PROVIDED FOR NEW PANEL EAs
HEAD NAME	The name of the household head recorded during the listing exercise or the previous wave.
LOCALITY	Name of the village or town
ADDRESS	The address or location of the household in the area. This should help you to find the rough area where the household lives. You will have to ask around for using the name of the head.
PHONE	The phone number of the head of household previously provided. If not available, the number will show as 0000 000 0000.

SECTION S: START

Description: The section is composed of interviewer questions about the tracking status, the consent and the agricultural identification questions that will trigger the agricultural module.

2. Select NO if you have been unable to identify the household, i.e. you could not find the house and nobody in the area has heard of the household name. Before you select it MAKE SURE that you are in the correct area, that you have asked local leaders and knowledgeable persons and that you have tried looking for the household using the names from the household member flap. If NO is selected, you will be asked to complete the Tracking and Result of Interview sections.
3. **Select YES, MOVED FAR FROM ORIGINAL DWELLING** if the household has moved away from the original dwelling to somewhere OUTSIDE the locality, i.e. away from the village or part of town to a location that would require you to get motorized transport. The section, TRACKING will open and require you to get tracking information and then continue to the Result of Interview Section. If the household has moved WITHIN the locality, i.e. somewhere close to the original location, select YES, MOVED CLOSE TO ORIGINAL DWELLING. For households that have moved to a dwelling that is close to the original dwelling or is in the same EA, proceed to the new address and conduct the interview normally. Select NO, IN ORIGINAL DWELLING if the household has stayed in the same dwelling as in previous waves or the listing.
- 3A. Only applicable when Q3=YES, MOVED CLOSE TO ORIGINAL DWELLING). Select YES if the HH moved WITHIN the current EA. This means you will NOT be required to travel a long distance to reach the household's current dwelling or travelling to the dwelling will not impact the team's schedule.

Enter the household's new address in the EA.

If Q2=NO or Q3=NO or Q3A=NO, then the following message will show up on the screen:

PLEASE COMPLETE THE TRACKING SECTION AND THE RESULT OF INTERVIEW SECTION AND INFORM YOUR SUPERVISOR THAT YOU WERE NOT ABLE TO LOCATE OR REACH THIS HOUSEHOLD

Proceed to complete the Tracking and Result of Interview Sections. It is important that you remember to inform your supervisor that you were unable to locate the household.

3B. Enter the visit number you are making to the household. The first visit will be '1'. Click on the visit number and complete the section. Record the date and time, the GPS coordinates, and if you have any notes to be entered about the household select YES, and enter the note; otherwise select NO. Then return to START.

5. Select NO if after ***at least 5 independent attempts*** to visit the household you have never encountered an eligible respondent to be interviewed, despite the household not having moved away. ONLY select once you have tried making appointments using the household's phone number collected from the neighbors, and or have left a note. ONLY SELECT AS A LAST RESORT. Eligible respondent is an adult household member that is knowledgeable about the economic circumstances of the household. If you selected NO, complete the RESULTS OF INTERVIEW section. If YES is selected read the statement.

ENUMERATOR READ OUT: Thank you for taking the time to talk to me today. Hello, I am (name) and I am working for the National Bureau of Statistics (NBS) and am here for the General Household Survey. This survey is being conducted throughout the nation to get a better understanding of the wellbeing and livelihoods of households like yours in Nigeria. With this information, the government and other organizations can enact programs to help households in need throughout the country.

Your household has been selected for the study by chance. The answers that you give us will be completely confidential and will not be linked to you and your household. Therefore, nobody – in this community, in the government, or any other organization – will know what you tell us.

Before we begin, we would like to ask for your explicit oral informed consent. Please note that you are under no obligation to answer any or all of our questions, although it would help us very much if you did. If you do not understand anything, or would like to ask a question, please feel free to do so at any point.

If you agree to this interview, you can still choose not to answer any question during the interview, or to terminate the interview at any time. You can also call **080-239-60304** or **080-682-15123** (Mr. Elutade) if you would like further information or have questions. The interview will take approximately 2 to 4 hours.

Do you agree to participate?

6. Read out the consent statement to the respondent, select YES if they have accepted to be interviewed. If the household refused, try to CONVINCE them. Do NOT FORCE them to participate. Ask your supervisor or state officer to help you talk to the household. It is very important that we interview the selected households. ONLY SELECT 'NO', AS A LAST RESORT. If you selected NO, complete the RESULTS OF INTERVIEW section.
7. If YES is selected in Q6, then record the name of the household member that has given consent to be interviewed.
8. Confirm that the name of the household head that has been prefilled is correct.

8a. Select the option that best describes why the head of the household's prefilled name is incorrect. The enter the correct name of the household head.

Record the GPS coordinates and interview start date and time.

AG1. Select YES, if the household cultivated any crops in the 2023/24 AGRICULTURAL SEASON. Any type of crop can be considered here.

AG1a. Select YES if the household cultivated any crops in the past 5 agricultural seasons. Any of the past 5 agricultural seasons will do. The household does not need to have cultivated crops every season in the last 5 seasons.

AG1b. Select the season(s) that the household cultivated crops in the past 5 agricultural seasons.

AG1c. Select ALL the reasons that describe why the household did not cultivate any crops in the 2023/24 AGRICULTURAL SEASON. DO NOT READ OPTIONS. This question is asked to those who did not cultivate any crops since the beginning of 2023/2024 season (AG1=NO) but cultivated crops in the past 5 agricultural seasons (AG1a=YES).

AG2. If the household owns or used any land that was not cultivated in the 2023/24 AGRICULTURAL SEASON, select YES.

AG3. Select YES, if any member of the household was involved in the management of livestock, whether or not the household owned the livestock.

AG4. Select YES if the household owns livestock that is not currently kept by the household.

SECTION T: TRACKING

Description: This section opens if the household has moved away from the current location. In this case the household needs to be tracked, and you need to provide as good as possible information about the new whereabouts of the household and contact information. The information will be used by your colleagues to find the household in the new location.

Attrition of the panel households is expected, and it is recognized that, if not addressed, this attrition will increase over time. Some of the common reasons for the attrition of households are:

- Household moves from its original location and failure to track the household to the new location
- Household members move to another household thus altering the composition of household originally sampled
- Household refuses to continue to participate
- Death of household member(s)

In the GHS-Panel survey, efforts will be made to prevent attrition that could potentially arise through households moving from one location to another. These efforts will include:

- Collecting tracking information when interviewers visit households during the survey and discover that they have moved. Household relocation could be presented as one of two possible scenarios:
 - All members of the household moved together from the original dwelling to a new location

- All members of the household did not move to the same new location (i.e. household moved and split)
- Tracking of households to their new location
- Reintegration of tracked households into the sample for the following visit

WHEN TO ADMINISTER THE TRACKING QUESTIONNAIRE

There are a number of scenarios that could be encountered which could be clear indications that the household has moved from its original location. These are:

1. The dwelling that was occupied by the household in the previous survey is now vacant
2. The dwelling is now occupied by a completely different household
3. The dwelling previously housing the household no longer exists (i.e. demolished, converted to a business, etc.)

In any of these circumstances, the interviewer should report to the supervisor that it appears that the household has moved. The interviewer, under the guidance of the supervisor should make effort to confirm that the household has moved. These efforts will include enquiring from:

- Neighbors, community members or the leadership of the community – in that order
- The new occupant of the household, in cases where the dwelling is occupied by a completely new household. If information is not available from the occupant of the dwelling, then persons identified in the categories above should be approached
- Neighbors, community members or the leadership of the community – in that order – in the case where the dwelling previously occupied by the household no longer exists

The information received about the relocation of the household should be ideally confirmed from alternate sources in the community.

GUIDING PRINCIPLE

1. If most of the household members have moved away from their original dwelling, but if at least one adult household member (15 years and older) lives at its original dwelling, the questionnaire should be administered to the household with the adult household member who still lives at its original dwelling regardless of whether it includes the head or not.
2. If the household has moved to a nearby location, efforts should be made to find the household and the questionnaire should be administered, ONLY if it does not disrupt the fieldwork schedule. If the household was located, in section “[S] START” on the CAPI, you should respond “YES, MOVED CLOSE TO THE ORIGINAL DWELLING” in Q3. If you are able to reach the household to interview within the allotted time for the current EA, you should respond “YES” in Q3a and proceed with the interview.

Scenario	Instruction
The household found in the original dwelling	Interview the household

At least one household member (15 years or older) still lives in the original dwelling	Interview this member and include new members of his/her household
The household moved from the original dwelling, but all members moved close to the original dwelling: Household split into different groups with different members	Interview the part of the household that includes the head.
The household moved from the original dwelling but the members moved close to the original dwelling: The head died and the HH split into different groups with different members	Interview the part of the household that includes the spouse. If no spouse, interview the part of the household with the most members.
The household moved from the original dwelling, and some members moved close to the original dwelling, but others moved far away.	Interview the part of the household that moved close to the original dwelling, regardless of whether it includes the head or not.

If the monitor, supervisor and enumerator are satisfied that the household has moved far or split and moved far, then:

1. This should be indicated by providing the appropriate response in Q3 on the CAPI in section “[S] START”. In Q3 the response should be “YES, MOVED FAR FROM ORIGINAL DWELLING”.
2. The tracking form, section “[T] TRACKING” in CAPI”, will automatically be enabled and must be completed according to protocols described in the next section.

THE TRACKING FORM

Respondent: Any number of neighbours, relatives, friends, colleagues, community leaders or knowledgeable person who can provide information on the new whereabouts and contact details for the household. You might have to talk to different persons in the locality to obtain all information. It is VERY IMPORTANT to obtain as good information as possible to facilitate the tracking of the household in the new locality.

0a. Record name of the informant.

0aa. Select the informant’s relationship to the household

0b. Select YES if the informant lives close to the household’s original dwelling.

0c. Record address or location of the informant.

0d./0e. Record phone number at which the informant can be reached.

1a/1b. Select the MONTH and YEAR when the household moved away from the old locality. Estimate if necessary. Select DON’T KNOW if you cannot establish at all the time they moved.

2. Select YES if the household is not expected to move back to the old locality, and NO if the household is expected to move back to the original dwelling within the next 12 months.

- 3a/3b.** Select the MONTH and YEAR when the household is expected to return. Select DON'T KNOW if you cannot establish the month or year.
- 4.** If all household members have moved together to the new location, select YES. If the household has split (not all moving to the same location), then select NO. If you are unable to determine whether all members moved to the same location, select DON'T KNOW.
- 5.** Select YES if the informant knows where the household moved to.
- 6a.** If the informant does not know where the household moved to, ask if anyone else in the village or surrounding area knows where the household moved to.
- 6b.** Record the name of the second informant.
- 6c.** Select the second informant's relationship to the household.
- 6d.** Record address or location of the second informant.
- 6e./6f.** Record phone number(s) at which the second informant can be reached.
- 6g.** Select YES, if the second informant has successfully been contacted.
- 6h.** Ask the second informant if he/she knows where the household has moved to.
- 6i.** Select YES, if the informant(s) know(s) any phone number(s) at which the household can be reached.
- 6j./6k.** Record the phone number(s) at which the household can be reached.
- 7.** List the name of the village, town, part of town or locality of ALL the places where members of the household have moved to. If the household has moved together, you only have to list one location. If they have moved to different locations, list them ALL.

LOCATIONS

One sub section for each new location of the original household.

- 9.** Select the state of LOCATION by typing the first few letters and select of the filtered options. Select OUTSIDE NIGERIA if the household has moved abroad.
- 9a.** Select YES if the informant knows which LGA the household has moved to.
- 10.** Select the LGA. The list of answer options is filtered by the state selected in question 9.
- 10a.** Write the name of the village/town/neighborhood
- 11.** Write an as detailed as possible description of the new locality of the household, including if available, their address, street name, part of village, landmarks or reference points, names of persons who can be contacted. You can write ANYTHING that helps in finding the household in the new location.
- 12.** If the informant knows which household members have moved to the new location, select YES.
- 14.** Select all household members who have moved to the location. Only select those who you know have moved. Do not select if you are not sure. Leave unselected if you don't know.
- 15./16.** Record phone numbers of the household members or other persons at the new locality through which household members can be reached. If you cannot get the number for anyone at the new locality record the phone number of anyone who knows about the new location of the household.
- 16a./16b.** Add any note which may help to locate or reach the household.

UNACCOUNTED INDIVIDUALS

One sub-section for each MEMBER of the household whose location has yet to be identified (unaccounted individuals). This is used to collect information on any informants who may know the location of the unaccounted individuals. The CAPI will automatically list all the household members whose location has not been identified, i.e. not selected in Q14 in any LOCATIONS.

17. Ask the informant(s) if they know the location of MEMBER. If YES, return to Q7 and enter as a new location, record "YES" in Q12 and select MEMBER in Q14. If the location is already listed in Q7, select the location, record "YES" in Q12 and select MEMBER in Q14.
18. Select YES, if there is any other informant who may know the location of MEMBER.
19. Record name of the potential informant.
20. Record address or location of the potential informant.
- 21./22. Record phone number(s) at which the potential informant may be reached.

Once you record the information of the potential informant (Q19-Q22), contact this potential informant to gather information on the location of MEMBER. If MEMBER is in a new location, add the location in Q7, record "YES" in Q12 and select MEMBER in Q14. If the location is already listed in Q7, select the location, record "YES" in Q12 and select MEMBER in Q14.

SECTION 1 – HOUSEHOLD FLAP

Description: This section serves to make a full list of all current household members and account for the household members pre-filled during Wave 4 (or the latest round of the NLPS - phone survey), as well as collect demographic details for the CURRENT household members.

Respondent: This person should preferably be the head of the household. If the head is absent, then a responsible and knowledgeable adult, preferably the spouse of the household head should be interviewed. This person must be a member of the household and must be capable of providing all the necessary information on each household member. You may have to ask a few questions to be able to identify a suitable respondent. The respondent may be helped by other members for this section.

Definition: In this survey, a HOUSEHOLD will be defined as a group of people who USUALLY SLEEP in the same dwelling and take their MEALS TOGETHER, and either have been part of the household for at least 6 of the 12 months preceding the interview or are currently members and are expected to still be household members 6 months after the interview.

At the beginning of the interview, it is IMPORTANT that the RESPONDENT UNDERSTANDS who we consider a household member and those who are not. FAMILY and HOUSEHOLD ARE NOT NECESSARILY THE SAME. The household may include NON-RELATIVES such as live-in workers. If you change respondents during the interview, MAKE SURE they understand who you are talking about when you say household. MAKE SURE ALL conditions hold.

INCLUDE

- Persons that are identified as head but did not spend 6 of the past 12 months in the household
- New-borns, persons that have just married or moved into the household, e.g. adopted children, new live in worker
- Students and seasonal workers who did not spend 6 of the past 12 months in the household and did NOT live as part of another household
- Persons who have been hospitalized and did not spend 6 of the past 12 months in the household but were part of the household before the hospitalization and will return to the household.
- Children of the head or spouse regardless of age, newly adopted children, new live-in worker who are expected to still be household members 6 months after the interview

EXCLUDE

- Guests, even if relatives, who are staying for a few days, weeks, or months (under 6), normally live in another household and are expected to return to a different household after a while
- Family members that maybe stay in the same dwelling or compound, but do not normally eat with the household

EXAMPLE 1: In a FAMILY, you come to interview the household of Ajo, who is married to two wives, each with 2 children, who all live in the same compound. The oldest son of the first wife, Bema is already married and him and his wife normally cook and eat separately. Ajo has adopted the children of his brother after he passed away 2 months ago. With the household lives Dayo who works for the household but is not a relative. Include: Ajo, his wives and children, except Bema, the adopted children and Dayo. Exclude Bema and his wife. MAKE SURE AJO UNDERSTANDS WHO YOU ARE TALKING ABOUT WHEN YOU SAY HOUSEHOLD, IT IS DIFFERENT TO HIS FAMILY.

EXAMPLE 2: Ahmed has two wives – Halima and Aysha. Halima has two sons – Mukthar and Saad. Saad has just gotten married, and he lives with his wife, Rahima, in the same compound as his family, but he and Rahima cook their own meals in their home. Aysha has a daughter, Fatima, who is in boarding school and a son, Ali, who is a day student in JSS2. Ahmed's father and mother live with them in the family house and share their meals. There are two maids – Layla, who comes in the mornings and leaves in the evenings and Zainab, who has own room in family house on the first floor. Aysha's sister, Rekiya is visiting during the interview period, but will return home to her family in two weeks.

- Persons that are members of Ahmed's household: Ahmed, his two wives – **Halim** and **Aysha**, Halima's son **Mukthar** and Aysha's daughter **Fatima** and her son, **Ali**, **Ahmed's father and mother** and the maid **Zainab**.
- Persons that are not members Ahmed's household: Saad and Rahima are not included because even though they live in the family compound, they prepare their own separate meals.
- Although Fatima is away in boarding school, she is still considered part of the household because she is away in school and she is not member of another household.
- Layla does not usually sleep in the family house, so she is not included.
- Rekiya is visiting and will return to her own home, so she is not included.
- MAKE SURE AHMED UNDERSTANDS WHO YOU ARE TALKING ABOUT WHEN YOU SAY HOUSEHOLD, IT IS DIFFERENT TO HIS FAMILY.

Instructions: The section will be pre-filled with household members identified and recorded in Wave 4 2018 (or the latest round of the phone survey). The aim of the section is to create a COMPLETE LIST of all CURRENT household members AND to account for all the PRE-FILLED members, i.e. verify if they are still household members and if their details are correct. You will do this in 3 steps:

1. For all PRE-FILLED members, ask if they are current household members (Question 4), if their details are correct (Question 4a) and all other questions in the MEMBER FLAP sub section.

2. Identify CURRENT household members that are not on the list of pre-filled members and record their names in Question 1. Ask if there is any person that is normally eating and sleeping in the household that has not been listed.
3. ONCE you have listed ALL members that were not on the list yet, you fill in their details in the MEMBER FLAP sub section. Before recording new members, DOUBLE CHECK that they are not already on the list but are spelled differently.

1. The names of all household members that were identified during our previous visit in Wave 4 or the latest round of the phone survey will be prefilled. Record the NAMES of ALL household members that are not already on the list. You can delete names of NEWLY ADDED members (e.g. if you accidentally recorded a person who does not meet the member condition), but you CANNOT delete PRE-FILLED MEMBERS. Answer question 4 NO to say that a person is no longer a household member. Once this section is complete you MUST have ALL CURRENT household member listed, and you MAY have PRE-FILLED MEMBERS in the list that are no longer household member. They will be filtered out in all other sections.

You must give a UNIQUE name to every household member. Record name and surname, and if this is not enough to distinguish members, include a called name and/or Sr./Jr. to distinguish persons.

One subsection for ALL PRE-FILLED and NEWLY ADDED household members.

4. *Is [NAME] still a member of this household?* The question is only open for PRE-FILLED members. Record if MEMBER is CURRENTLY a member of the household, i.e. normally eats and sleeps with the household. There are different reasons why MEMBER may no longer be a member of the household: MEMBER may have moved to another household for various reasons, may be absent for a long time for various reasons, might have passed away, or has been recorded by accident in any of the previous waves. Select NO in any of those cases. If No, move to Q39.
- 4a. The PRE-FILLED information for that member will be listed at the top of the screen. Review that information with the respondent to see if the information is correct. Select YES if name, age and sex of MEMBER are correct. You DO NOT have to update the name for typos but add names e.g. nick names if it was not easy to identify MEMBER. MAKE SURE you are talking about the same person when making updates.
- 4b. If some of the pre-filled information is not correct, indicate what information is incorrect. If multiple items are incorrect, select all that are incorrect.
2. Record the sex of MEMBER. Do NOT try to guess the sex of the household member from the name provided to you. This can lead to mistakes. Even in cases where you think that the name would most likely be a male's or a female's name, let the respondent CONFIRM the sex.
3. Record the relationship to the HOUSEHOLD HEAD. If the respondent is not the head of the household, make sure that you record the relationship of MEMBER to the household head, NOT the relationship to the respondent.

HEAD - The member who makes key decisions in the household and whose authority is acknowledged by other members. NOTE the key decision maker may not necessarily be the oldest member.

SPOUSE - formally married or partner by mutual consent

OWN CHILD - biological child of head (can be from another spouse)

STEP CHILD - biological child of spouse from a previous union/marriage

ADOPTED CHILD - children that are not biological children of either head or spouse

BROTHER/SISTER - person with at least one parent shared with the head

BROTHER/SISTER-IN-LAW - formally married or partner by mutual consent of the brother or sister of the spouse

PARENT-IN-LAW - parent of the spouse

DOMESTIC HELP (RESIDENT) - person that works for the household (e.g. servant, guard, cook, baby-sitter, etc.) and eats and lives with the household

6. Record the age of MEMBER in COMPLETED YEARS and their year of birth. Record FIRST what the respondent remembers better. Survey Solutions will calculate the other variable for you that you HAVE TO cross check with the respondent and then record. Age and year of birth must be consistent, but sequence in which you record it does NOT matter. *EXAMPLE: The respondent remembers Tony was born in 2005, enter 2005 in Q7 and check with the respondent if Tony is 12 or 13 years old and record the age in Q6.*

Age in COMPLETED YEARS is the age at the time of the LAST birthday. *EXAMPLE: If MEMBER will turn 30 2 days AFTER the interview, the age at the LAST birthday was 29, so you have to record 29.* For infants that are not yet one year old, record 0.

If the respondent does not know, ESTIMATE with the respondent using key events:

1. Ask of any historical event (national or local) which occurred around the time of birth or childhood.
2. Ask how old respondent was when that event occurred or how many years elapsed before his/her birth.
3. Then use the information obtained to calculate the age. For example, if MEMBER was 15 when Nigeria obtained independence, record $1960-15=1945$ as year of birth in Q7.
4. Only if you cannot estimate the age using key events, estimate on physical appearance.

Do NOT record a code for DON'T KNOW.

7. The question is only open for household members that are 6 years of age and younger. Record the number of months since [NAME]'s last birthday. If birthday was the current month, enter zero.
8. *Does [NAME] have a National Population Birth Certificate (NPC)?*. Select YES, if MEMBER has a National Population Birth Certificate, and ask if you can see it. If NO, skip to Filter 2.
9. *ENUMERATOR: WERE YOU ABLE TO OBSERVE THE BIRTH CERTIFICATE FOR [NAME]?* DO NOT READ OUT. If you are able to observe the birth certificate for MEMBER, select YES. Otherwise, select the appropriate option.
- 10/10b. These questions are asked to members 6 years and younger. Record month and day that [NAME] was born. Copy from birth certificate if available. MONTH OF BIRTH and DAY OF BIRTH IS REQUIRED FOR MEMBERS UNDER 7 YEARS OLD.
11. *In what year was [NAME] born?* If MEMBER has the certificate and it is shown to you, use it to record the year of birth. If birth certificate is not shown, ask for the YEAR when MEMBER was born. Year must match the recorded age recorded in Q4. Double check with the respondent if they do not match. Record

whichever the respondent REMEMBERS BETTER, cross-check the calculated value of Survey Solutions with the respondent and fill the self-reported age.

12. *Does [NAME] have a National ID Number (NIN) or National Identity Card?* Select YES, if MEMBER has either the actual card or has been issued a NIN. If Yes, continue to Q14.
13. *Even though [NAME] does not have NIN or National Identity Card, has [NAME] registered/applied for NIN or National Identity Card?* Select YES, if MEMBER has gone through the process of obtaining a NIN or National Identity Card.
14. *Does [NAME] have a plan to leave this household in the next 6 months?* Select Yes if MEMBER has a plan to move out from this household in the NEXT 6 MONTHS.
15. *In the past 12 months, how many months has [NAME] been living outside this household?* You want to know the total number of months MEMBER has been living outside in the household in the PAST 12 MONTHS. If the person was living outside for less than a month (e.g. two weeks, three weeks), record ZERO.
- 15a. *Is [NAME] living outside the household's dwelling at present?* This question is asked to those who have lived in this household for less than 12 months (1 year) in the past 12 months. You want to know if MEMBER is currently living outside the household's dwelling.

Questions 16 - 21 are only asked for members that are 12 years or older.

16. *What is [NAME]'s present marital status?* Select the PRESENT marital status of MEMBER. If DIVORCED, SEPERATED, WIDOWED and NEVER MARRIED is selected, you will continue to CAPI-1B.
- MARRIED (MONOGAMOUS): includes all types of marriages e.g. civil, traditional and common law to only one person.
 - MARRIED (POLYGAMOUS): includes all types of marriages e.g. civil, traditional and common law to more than one person. A woman whose husband is married to multiple women should have a marital status of MONOGAMOUS.
 - INFORMAL/LOOSE UNION: refers to a relationship contracted by two adults living together without civil or traditional recognition. Such people may report that they are married, PROBE carefully and sensitively to find out the actual marriage contract.
 - DIVORCED: if a marriage has been legally dissolved
 - SEPARATED: if man and woman no longer live together but either they were never legally married or the marriage has not been legally dissolved as husband
 - WIDOWED: spouse has died
 - NEVER MARRIED: single and has never been married nor lived in a union
17. *How old was [NAME] when first married or formed a loose/informal union?* Record the age at which MEMBER got married the first time. If the respondent does not know, calculate based on the age of spouse or MEMBER at marriage. This question is only asked for members that are married.
18. *Does [NAME]'s spouse(s)/partner(s) live in this household now?* Select whether the MEMBER's spouse currently lives in the same household. This question only opens up for married (monogamous), married (polygamous), and informal/loose union response to Q16. If NO is selected, continue to Q21.
19. *Which household member(s) are the spouse/partner of [NAME]?* Select ALL spouses of MEMBER who currently live in the household. The members in the answer list are filtered by relevant age and sex. If person does not appear in the list make sure they are listed and check age and sex for the person. If

MEMBER has more than one spouse, select spouses in order of the marriage. The most recent marriage should be the last to be selected.

- 19a-c.** *In what year did [NAME] get married to [SPOUSE]?* Record the year when MEMBER got married to the first/second/third spouse. The questions open according to the number of spouses selected. If the respondent does not know, calculate based on the age of spouse or MEMBER at marriage.
- 20.** *Does [NAME] have a spouse living outside the household?* This question opens up for married (polygamous) and informal/loose union response in Q16. Select YES if MEMBER has any spouse that is currently not a member of the household. If NO, continue to CAPI-1B.
- 21.** *How many spouses does [NAME] have who are residing outside the household?* Record the number of spouses or partners MEMBER has that are not a part of the household.
- 22.** *When did [NAME] join this household?* The question is only asked for NEWLY ADDED MEMBERS. Record the MONTH and YEAR when MEMBER joined the household. If MEMBER joined and left several times, record the LAST time.
- 23.** *Why did [NAME] join this household?* Select the reason why MEMBER joined the household since our last visit. Check with the respondent and select the most appropriate response.
- Select MISTAKENLY NOT REPORTED OR FORGOTTEN LAST VISIT if MEMBER was already a household member during wave 4 (July 2018 or February 2019) or last round of the phone survey, but has not been recorded for any reason; FLED PROBLEM AREAS/ INTERNALLY DISPLACED PERSONS/CRISIS if MEMBER relocated to the household for any reasons concerning security or crisis, such as a terrorist attack; SHARED ACCOMODATION if MEMBER joined the household primarily for the purpose of sharing the housing and living cost.
- 24.** *What is [NAME]'s main religion?* Select MEMBER's religion. If MEMBER is dual-practicing, select the one MEMBER most identifies with. The question is only asked for the household head.
- 25.** *Does [NAME]'s biological father live in this household?* Select YES ONLY if the BIOLOGICAL father of MEMBER lives in the household. If NO, continue to Q27.
- 26.** *Which household member is the biological father of [NAME]?* Only asked if the biological father is a household member. Select the father from the displayed list. The answer options are filtered by sex and age. If the person does not appear as an option, ensure that the person is recorded as a member and has the correct age and sex filled in.
- 27.** *Is [NAME]'s biological father alive?* Only asked if the biological father is not a household member. Select YES ONLY if the BIOLOGICAL father of MEMBER is alive.
- 28.** *What is/was the highest educational level completed by [NAME'S] biological father?* Only asked if the biological father is not a household member. Select the HIGHEST educational level father COMPLETED. Do NOT consider levels attended that were not completed. EXAMPLE: Someone who dropped out of school in P6, has only completed P5, so P5 must be selected.
- NONE: never completed any type of education, qur'anic school or adult education.
 - N1 – 2: Nursery 1 to 2
 - P1-6 - Primary School 1 to 6
 - JS1-3 - Junior Secondary School 1 to 3
 - SS1-3 - Senior Secondary School 1 to 3

- *LOWER 6* - old education system, equivalent of primary school 3
- *UPPER 6* - old education system, equivalent of primary school 6, after lower 6
- *TEACHER TRAINING*: training school for teachers
- *VOCATIONAL/TECHNICAL* - certificate obtained after going through craft training e.g. mechanic, tailoring etc.
- *MODERN SCHOOL* – post-primary school intended for students who could not gain admission to secondary or technical schools.
- *NCE* - National Certificate of Education is a certificate obtained after completion of three years in college of education
- *POLY/PROF* - Polytechnic or professional degree obtained from polytechnic university
- *OND/ND* – Ordinary National Diploma/National Diploma – 2-year course can be used to get admission into a HND programme
- *HND* – Higher National Diploma – 2-year degree programme offered at a polytechnic
- *HIGHER DEGREE* – 1st Degree, HND2, Master’s degree, Doctorate (PhD) or Post-Doctorate obtained from 4-year university
- *QUARANIC* - only select if the ONLY form of education
- *INTEGRATED QUARANIC* - Qur’anic school that has been integrated into the formal education system of Nigeria covering the basic curriculum mandated by the government. Select if the ONLY formal education
- *ADULT EDUCATION* - any form of other adult education, only select if the ONLY formal education
- *BASIC LITERACY PROGRAM* – It is equivalent to primary 1-3 of the formal system, providing reading, writing, numeracy, and skills for adults and youths who did not have the opportunity for formal education. Basic literacy lasts between 6-9 months.
- *POST LITERACY I & II* – It is equivalent to primary 4-6 of the formal system; is a non-formal education that is organized for graduands of basic literacy who want to acquire more knowledge and for those who dropped out of the formal school between primary 1 and primary 3. The concept of post-literacy assumes that new literates quickly relapse into illiteracy if they do not have any meaningful way of using their skills. The post-literacy stage usually lasts for 2-3 years (2 years for post-literacy 1 and 3 years for post-literacy 2).

29. *What is/was the industry classification of [NAME'S] biological father?* Only asked if the biological father is not a household member. Select the sector that best describes the industry MEMBER’s biological father is or was working in. If biological father has worked in more than one industry, select the most recent one. If he is or was working in two different industries at the same time, select the MAIN one (i.e the one he spent most time working on). EXAMPLE: Select AGRICULTURE if the father is a farmer or works on other farms as a labourer.

29b. *Where is [NAME]'s biological father currently living?* Only asked if the biological father is not a household member. Select the applicable response.

30.- 34b. See questions 25-29b.

35. *Was [NAME] born in Nigeria?* Select YES if MEMBER was BORN in Nigeria. NOTE, this is not asking if MEMBER is a Nigerian citizen. If YES, go to Question 37.

36. *Where was [NAME] born?* Select country name from the list of countries. Only asked if MEMBER was not born in Nigeria (Q35=NO).

37. *How many years has [NAME] lived in [CURRENT STATE]?* Record the number of years MEMBER has lived in the current state. If stay has been less than 1 year, record ‘00’. If since birth, record 999 and skip to next module.

38. *In which STATE was [NAME] born?* Select state name from the list of states. Continue to the next household MEMBER until the roster has been exhausted.

Attrition

This sub section is only asked if MEMBER is no longer a member of this household.

- 39.** *Why did [NAME] leave the household?* Only asked if MEMBER is no longer a household member (Q4=NO). Select the most relevant reason why MEMBER moved out of the household if there is more than one. DO NOT READ OUT OPTIONS. Select STAYED WITH ORIGINAL HOUSEHOLD if you are interviewing a split household in a new location for all the members that stayed in the original household. NEVER BEEN A MEMBER / RECORDED WRONG IN W4/OR PHONE SURVEY for people who are not recognized by the household (make sure they do not have another name that is listed).
Note: DO NOT reword the question by asking why they moved to their current location. It is possible that MEMBER may be currently living in a place that is different from where they first moved to when they left the household, and the reasons why they moved may be different.
- 40.** *In which month and year did [NAME] leave this household?* Select the month and year when MEMBER left the household. If the MEMBER left because of death, continue to the next person.
- 41.** Indicate whether MEMBER currently resides in NIGERIA or OUTSIDE NIGERIA.
- 42b.** If MEMBER resides in Nigeria, select the STATE. Select by start typing the state name and selecting it of the dropdown.
- 42a.** If MEMBER resides in Nigeria, select the LGA. Select by start typing the LGA name and selecting it of the dropdown. The list of LGAs is filtered by the state selected in the previous question.
- 43.** If MEMBER resides OUTSIDE NIGERIA, then select the country or region where MEMBER currently lives.
- 44.** If MEMBER resides outside Nigeria, record the number of months MEMBER has been living abroad the MOST RECENT time s/he has left. Round up or down and record in full months.
- 45.** Select the applicable option on how the MEMBER financed the move.

SECTION 1A – MIGRATION IN THE PAST 12 MONTHS

Description: This section is on current household members' migrating experiences in the past 12 months. In this section we will capture data on any movement away from the household dwelling for **at least 1 month** over the **past 12 months** (1 year). The aim is to collect information on household members that have lived outside of the household for **at least 1 month** in the past 12 months for whatever reason, including vacation, visit to friends/relatives, medical treatment, work, crisis etc. We are including any movement that lasted more than 1 month, regardless of their purpose.

The questions are asked only for members who are aged 15 years and older, and have been away from the household for at least 1 month over the past 12 months (based on response to Q15 in Section 1).

Respondent: This respondent should preferably be individual members of the household. Otherwise, the head of household or any knowledgeable adult. *IS [NAME] ANSWERING FOR HIMSELF/HERSELF?* Select YES, if MEMBER is responding to these questions on their own. DO NOT READ OUT.

- 2.** *WHO IN THE HOUSEHOLD IS RESPONDING FOR [NAME]?* Select from the list of adult household members, the person that is responding to the questions. DO NOT READ OUT.
- 3.** *During the past 12 months, in which months has [NAME] lived outside the current household location for more than 1 month?* Months will be prefilled based on interview date. Select the month(s).

QUESTION 4 TO 10: are asked to those who are living outside the current household location at present (response to S1Q15a is NO).

4. What is the main reason [NAME] is living outside the current household location at present? Select the primary or most important reason why MEMBER is currently living outside the household.
5. Is [NAME] living in the same state of Nigeria, in another state of Nigeria, or abroad (OUTSIDE NIGERIA) at present? Select the appropriate option. If 'same state' or 'don't know' is selected continue to Q8. If 'other state of Nigeria' is selected continue to Q7, If 'abroad' is selected, continue to Q6.
6. In which COUNTRY is [NAME] living at present? If MEMBER presently resides OUTSIDE NIGERIA, select the COUNTRY in which MEMBER is currently living in and continue to Q8.
7. In which STATE is [NAME] living at present? If MEMBER presently resides in another state. Select the STATE in which MEMBER is currently living in.
- 7a. In which LGA is [NAME] living at present? Select the LGA in which MEMBER is currently living in. The list of LGAs is filtered by the state selected in the previous question.
- 7aa. Is [NAME] living in any of the following cities at present? Read out the list of cities and select the one the respondent affirms to. If the city is not listed, select "NONE OF THESE CITIES".
- 7b. In which LGA is [NAME] living at present? This question is activated by selecting option 1 (SAME STATE) in Q5. Only the LGAs for the state the household MEMBER is living in will be listed. Select the LGA the respondent mentions.
- 7bb. Is [NAME] living in any of the following cities in [LGA IN 7a] at present? Select the city in which MEMBER is currently living in. The list of cities is filtered by the LGA selected in the previous question.
8. While away, has [NAME] been sending money or providing in-kind assistance to other members of the household? Select YES, if MEMBER has SENT money or PROVIDED in-kind assistance to any other member of the household while living away from the household.
9. While away, has [NAME] been receiving money or in-kind assistance from other members of the household? Select YES, if MEMBER has RECEIVED money or in-kind assistance from other members of the household while living away from the household.
10. Is [NAME]'s intention to return to the current household location, to stay where he/she is at present or to move onward somewhere else? This question asks about the future migration plans of the respondent. Whether they intend to return to join the household at the current location, continue to stay where they are or move to another place? READ the options, except DON'T KNOW.

QUESTION 11 TO 16: are asked to those who are living in the current household location at present (response to S1Q15a is NO), but have been away from the household for at least 1 month over the past 12 months.

11. In [the most recent month in Q3] what was the main reason [NAME] lived outside of the current house location? Select the MAIN reason for MEMBER living away from the household during the most recent month selected in Q3.

12. *In [the most recent month in Q3], was [NAME] living in the same state of Nigeria, in another state in Nigeria, or abroad (OUTSIDE NIGERIA)?* Select the appropriate option. If 'same state' or 'don't know' is selected continue to Q15. If 'other state of Nigeria' is selected continue to Q14, If 'abroad' is selected, continue to Q13.
13. *In [the most recent month in Q3], in which COUNTRY was [NAME] living?* Select the country in which MEMBER was living in the most recent month selected in Q3 and continue to Q15.
14. *In [the most recent month in Q3], in which STATE was [NAME] living?* Select the STATE in which MEMBER was living in the most recent month selected in Q3.
- 14a. *In [the most recent month in Q3], in which LGA was [NAME] living?* Select the LGA in which MEMBER was living in the most recent month selected in Q3.
- 14b. *In [the most recent month in Q3], was [NAME] living in any of the following cities in [LGA IN 14a] at present?* Select the city in which MEMBER was living in the most recent month selected in Q3, from the list of cities in the LGA selected in 14a.
15. *While away last time, including [the most recent month in Q3], has [NAME] sent money or provided in-kind assistance to other members of the household?* Select YES, if MEMBER has SENT money or PROVIDED in-kind assistance to other member of the household while living away from the household the last time (i.e the most recent month in Q3).
16. *While away in [the most recent month in Q16], has [NAME] sent money to other members of the household?* Select YES, if MEMBER has RECEIVED money or in-kind assistance from other members of the household while living away from the household the last time (i.e the most recent month in Q3).
17. *Generally, within a typical year, how frequently [NAME] live outside of the current household location (in another country, state, LGA or community) for more than 1 month?* The question wants to find out the frequency at which MEMBER lives outside of the current household location for more than 1 month in a year. READ OUT OPTIONS and select the appropriate response.

SECTION 1B – MIGRATION IN THE PAST 10YRS

Description: This section is to collect information on current household members' migrating experiences in the past 10 years. In this section we will capture data on migration away from the household dwelling for **at least 3 continuous months** over the **past 10 years**. EXCLUDE any migration episode/activity that happened in the past 12 months and that has been already reported in SECTION 1a.

The questions are asked only for members who are aged 15 years and older.

Respondent: This respondent should preferably be individual members of the household. Otherwise, the head of household or any knowledgeable adult, preferably the spouse of the household head should be interviewed.

1. *IS [NAME] ANSWERING FOR HIMSELF/HERSELF?* Select YES, if MEMBER is responding to these questions on their own. DO NOT READ OUT. IF Yes, continue to Q3.

2. *WHO IN THE HOUSEHOLD IS RESPONDING FOR [NAME]?* Select from the list of adult household members, the person that is responding to the questions. DO NOT READ OUT
3. *Since [NAME] was [MIG_AGE], did [NAME] ever move from his/her usual place of residence to spend at least 3 continuous months in another place?* Select YES, if MEMBER has ever moved away from their usual place of residence for **at least 3 months continuously**, since they were [MIG_AGE]. Movement can be within the country or outside the country. If No, move to the next person. EXCLUDE ANY MIGRATION EPISODE THAT HAPPENED IN THE PAST 12 MONTHS AND THAT HAS BEEN ALREADY REPORTED IN SECT1A.
4. *Since [NAME] was [MIG_AGE], how many times did [NAME] move WITHIN the country for at least 3 continuous months?* Record the number of times that MEMBER has moved from his/her usual place of residence to live at another place **within the country** for at least 3 months continuously, since they were [MIG_AGE]. If MEMBER has never moved inside the country, enter '0'. EXCLUDE ANY MIGRATION EPISODE THAT HAPPENED IN THE PAST 12 MONTHS AND THAT HAS BEEN ALREADY REPORTED IN SECT1.
5. *Since [NAME] was [MIG_AGE], how many times did [NAME] move OUTSIDE the country for at least 3 continuous months?* Record the number of times that MEMBER has moved to live **outside the country** for at least 3 months continuously, since they were [MIG_AGE]. If MEMBER has never moved outside the country, enter '0'. EXCLUDE ANY MIGRATION EPISODE THAT HAPPENED IN THE PAST 12 MONTHS AND THAT HAS BEEN ALREADY REPORTED IN SECT1.
- 3a. *Was [NAME] forced to move, inside or outside the country, any of these times?* Select YES if MEMBER was compelled against their will to move at any of the times recorded in Q4 and Q5. IF NO, continue to Q6.
- 3b. *What were the main reasons [NAME] was forced to move?* Select the main reasons MEMBER was forced to move, select up to three reasons. DO NOT READ OPTIONS.
- 3c. *When was the last time that [NAME] was forced to move?* The question is only asked for those who were forced to move at any time in the last 10yrs. Record the YEAR of the most recent time that MEMBER was forced to move.
6. *When was the last time that [NAME] moved from his/her usual place of residence to spend at least 3 continuous months in another place?* Record the YEAR of the most recent time that MEMBER moved from his/her usual place of residence to live at another place for at least 3 months continuously. IF THIS CORRESPONDS TO THE LAST TIME [NAME] WAS FORCED TO MOVE, THEN RECORD '88' AND GO TO Q7. IF RESPONDENT DOESN'T KNOW, RECORD 99.
7. *This last time [NAME] moved, was it to join this household?* You want to know if the last movement by MEMBER (recorded in Q3C/Q6) was to join this current household. Select YES, if MEMBER moved to join this household the last time they moved. IF No, continue to Q9.
8. *Before moving to join this household, where did [NAME] live?* You want to know where MEMBER was living before moving to join this household (at the time recorded in Q3C/Q6). The purpose of this question is to know whether the movement was intra-state (within the same LGA or between LGAs in the same state), inter-state (between states) or international (between countries). Select the appropriate response. DO NOT READ OPTIONS.

9. *This last time [NAME] moved, where did [NAME] go?* The question is only asked for those who did not move to join the household the last time they moved (Q7=NO). The purpose of the question is same as Q8. Select the appropriate response. DO NOT READ OPTIONS.
10. *From/To which country did [NAME] move?* The question is only asked for those who moved **from** or to **abroad** (outside Nigeria), (Question 8/9=ABROAD). If MEMBER moved to join this household CAPI will display "From which country did NAME move?". IF MEMBER did not move to join this household CAPI will display "In which country did NAME move? Select country name from the list of countries. IF MEMBER moved to join this household (Q7=NO), continue to Q13. IF MEMBER did not move to join this household (Q7=YES), continue to Q12.
11. *From/To which STATE did [NAME] move?* The question is only asked for those who moved within the country EXCLUDING those who moved within the same state (Question 8/9= IN ANOTHER LGA WITHIN THE SAME STATE) and within the same LGA (Question 8/9=ELSEWEHERE WITHIN THE SAME LGA). CAPI will display "FROM", IF Q7=Yes (member moved to join this household); and "IN" IF Q7=No (member did not move to join this household). Select state that MEMBER moved from/to from the list of states.
- 11a. *From/To which LGA did [NAME] move?* The question is only asked for those who moved within the country, EXCLUDING those who moved within the same LGA (Question 8/9=ELSEWEHERE WITHIN THE SAME LGA). CAPI will display either FROM or IN, depending on the response to Q7. Select LGA that MEMBER moved from/to from the list of LGAs.
- 11b. *Did [NAME] move from/to any of the following cities in [LGA IN 11a]?* The question is asked for all those who moved within the country. CAPI will display either FROM or IN, depending on the response to Q7. Select city that MEMBER moved from/to from the list of cities in the LGA.
12. *For how many months did [NAME] move there?* Record the number of months that MEMBER stayed at the location that they moved to. The number of months must be at least 3 months. IF MEMBER did not spend at least 3 months at the location, the movement is inapplicable and should not be captured in this section.
13. *What was the **main** reason [NAME] moved this last time?* Select the MAIN reason why MEMBER moved this last time. DO NOT READ OPTIONS.
14. *Did [NAME] have any other reasons to move this last time?* Ask if there were other reasons why MEMBER moved the last time. IF No, move to Q16.
15. *What was this other reason?* Select the other reason why MEMBER moved this last time. DO NOT READ OPTIONS. IF Q7 is yes (Member moved to join this household), move to the next person.
16. *Why did [NAME] return to live to the current household location?* The question is only asked for those *who* did not move to join the household the last time they moved (Q7=NO), but they are presently living at the current household location. This may be members who have not spent up to 3 months continuously at this household since they returned. Select the reason why MEMBER moved to join this household at the current location, if there is more than one reason, ask for the MAIN reason. DO NOT READ OPTIONS.

SECTION 1C: ABSENTEES ROSTER – NON-HOUSEHOLD MEMBERS

Description: This section is to collect information on former household members' migrating experiences in the **past 10 years**. You should record ALL persons who have migrated out of the household in the past 10 years and are not current household members.

Respondent: This respondent should be the head of household, or if not, the most knowledgeable adult, preferably the spouse of the household head should be interviewed. The respondent must be somebody who is informed of the former household members who have migrated within or outside the country.

- 0a. *Has any person that was part of the household moved away (to another state, city or country) in the last 10 years (NOT A HH MEMBER)? (e.g. moved to another state for a job, got married and moved to a different city, moved to another country to study).* Ask the respondent if any person, that was part of the household, moved away (to another state, city, village, country) in the last 10 years. (e.g. move to another State for a job, got married and moved to a different city, moved to another country to study). Record YES/NO accordingly. DO NOT record if movement occurred outside the reference period.

The following examples may help to understand if the answer is yes or no for this question:

- (1) If a HH member moved away at some point and has now returned to the HH? The response is NO.
- (2) If they moved away but remained in the same locality (e.g. village/city) The response is NO because the person has not changed village or city.
- (3) If a respondent moved to another state for one month for a job and returned back? The response is NO.

1. *NAME.* Ask for the names of all the former household MEMBERS who moved away (to another city, state, country) in the last 10 years and list all of them before continuing to the next set of questions. You must give a UNIQUE name for every previous household member. Record FIRST NAME and SURNAME; where necessary include a called name (nickname) and/or Sr./Jr. to distinguish persons.
2. *What is [NAME]'s sex?* Record the sex. Do NOT try to guess the gender of [NAME] from the name provided to you. This can lead to mistakes. Even in cases where you think that the name would most likely be a male's or a female's name, let the respondent CONFIRM the sex.
3. *What is [NAME]'s current age [IN COMPLETED YEARS]?* Refer to Q4 (Section 1) in this manual for information on how to probe to get age information
4. *What is [NAME]'s relationship to the current head of household?* DO NOT READ OUT OPTIONS. Record the relationship of [NAME] to the HOUSEHOLD HEAD. If the respondent is not the head of the household, make sure that you record the relationship of [NAME] to the household head, NOT the relationship to the respondent. See the definition of each option available in Q4 (Section 1).
5. *When did [NAME] leave the household?* Record the year [NAME] moved away from the household to a location outside of the city or state or country.
6. *Where does [NAME] currently live? Ask for [NAME]'s current location of residence.* Select the appropriate response. DO NOT READ OPTIONS.
7. *In which country is [NAME] currently living?* This question is asked for those who are currently living outside the country. Select the country and continue to Q9 (Section 3).
8. *In which state is [NAME] currently living?* This question is asked for those who are currently living within the country. Select the state.

9. *Why did [NAME] leave the household?* Select the most relevant reason. DO NOT READ OUT OPTIONS. Note: DO NOT reword the question and ask why they moved to their current location. It is possible that they may be currently living in a place different from where they moved to when they left the household, and the reasons for which they moved may be different.
- 9a. *Was [NAME] forced to move because of [ANSWER TO Q9].* Select YES if NAME was forced to move out of the household against their will, as a result of [ANSWER TO Q9].
10. *At the time [NAME] left the household, what was [NAME]'s highest education level completed?* Select the HIGHEST educational level COMPLETED. Do NOT consider levels attended that were not completed. *EXAMPLE: Someone who dropped out of school in P6, has only completed P5, so P5 must be recorded.* See Q22 (Section 1) for class/grade descriptions.

DO NOT ask for their current highest education level, we want the highest level attained at the time they left the household, not afterwards. Highest educational level obtained after NAME left the household is not applicable. Ensure that this is clear to respondent.

F1 (FILTER QUESTION): CAPI WILL CALCULATE THE AGE NAME LEFT THE HOUSEHOLD. IF age is 15 years or more at the time they left the household, continue to Q11. IF less than 15 years go to Q13. Questions 11 and 12 open only if NAME is currently 15 years or older.

11. *Which of the following best describes what [NAME] was doing at the time [NAME] left the household?* Select the best description for the primary activity that [NAME] was engaged in at the time they left the household, this includes work, study, voluntary, profit and non-profit activities. DO NOT READ OPTIONS. Note: DO NOT ask about their current primary activity, this question is relative to the activity they were engaged in at the time they left the household. Make sure that this is very clear to the respondent.
12. *Which of the following best describes what [NAME] is mainly doing at present?* Select the best description for the main activity that [NAME] is currently engaged in. The main activity is the one that [NAME] currently spends more time on. DO NOT READ OPTIONS.
13. *During the past 12 months, have the members of the household received money or in kind (non-cash) assistance from [NAME]?* Select YES, if members of the household have received any cash or non-cash assistance from [NAME]. Any money or in-kind assistance sent outside the reference period (the past 12 months) does not apply. If No, continue to Q16.
14. *What was the total value of money and assistance received from [NAME] in the past 12 months?* Record the total amount and specify the currency of the cash received.
15. *How was the money received from [NAME] in the past 12 months mainly used?* Select the main expenses that the household made with the money received from [NAME]. Select up to three answers in order of importance.
16. *During the past 12 months have the members of this household sent money to [NAME]?* Select YES, if any member of the household has sent money in the past 12 months. If No, move to the next absentee member.
17. *What was the main purpose for which the money sent to [NAME] was intended?* Select the reason or intention for the money sent to [NAME]. Select up to three answers in order of importance.

SECTION 1D: MIGRATION ASPIRATIONS, PLANS & FAILED ATTEMPTS

Description: This section asks about migration desires, plans & failed attempts of all household members that are 15 years or older.

Respondent: Household members MUST answer only for themselves. **No proxy** respondent(s) are permitted in this section. The respondent MUST be individual household members who are 15 years and older. If the respondent is not at home, try to revisit the household to ask these questions.

FILTER: Is [NAME] 15 years and older? If YES, continue with questions, if NO continue to next household member.

1. *IS [NAME] ANSWERING FOR HIMSELF/HERSELF?* DO NOT READ OUT. Select YES, if the respondent is MEMBER himself/herself. Otherwise, select NO and continue to the next household member on the roster.
- 3A. *Ideally, if you had the opportunity, would you like to leave this community to go live somewhere else?* Select YES, if the respondent would like to leave this community to go live in a different place if they had the opportunity. If NO, continue to Q8A.
- 3B. *Would you like to leave this community permanently or temporarily?* Select the appropriate response. DO NOT READ OPTIONS.
- 3C. *What are the main reasons you would like to leave this community?* Select the main reasons why the respondent would like to leave this community. Select up to 2 in order of importance. DO NOT READ OPTIONS.
4. *Where would you consider moving?* READ OPTIONS. If respondent is considering moving within the country, continue to Q4B.
- 4A. *Which country?* This question is only asked if respondent is considering moving to another country (Q4). Select country name from the list of countries.
- 4B. *What are the main reasons for choosing [ENTER DESTINATION REPORTED IN 4 OR 4A]?* Select the main reason(s) why respondent prefers to move to the destination (reported in 4 or 4A). Select up to 2 in order of importance. DO NOT READ OPTIONS.
5. *What do you consider to be the main constraint that could prevent you from leaving this community, if any?* Select the main constraint to leaving the community for the respondent. DO NOT READ OPTIONS. If there is more than one constraint, select the MAIN one.
6. *Are you planning to leave this community in the next 12 months?* Select Yes if respondent has any intention to leave this community in the next 12 months. If No, move to Q8A.
7. *Have you started to make any preparation for this move?* Select Yes if respondent has started to take any steps towards leaving the community. If No, move to Q7B.
- 7A. *What type of preparation have you started to make for this move?* Select all that apply. DO NOT READ OPTIONS.
- 7B. *How are you planning to finance this move?* Ask the respondent how they plan to get money that is needed for the move. DO NOT READ OPTIONS.
- 8A. *Have you ever made previous plans to leave this community but had to give up?* You want to know if respondent has made any migration plans in the past that they had to abandon. If No, move to the next person.

INSTRUCTION: WE REFER TO INDIVIDUALS WHO WERE NOT ABLE TO LEAVE THE COMMUNITY ALTHOUGH THEY WERE PLANNING TO. DO NOT INCLUDE INDIVIDUALS WHO LEFT THE COMMUNITY BUT HAD TO RETURN DUE TO UNFORTUNATE EVENTS ON THE ROUTE.

- 8B. *When was the last time that you planned to leave this community and had to give up?* Record Year of the most recent time that MEMBER planned to leave the community but had to abandon their plans.
- 8C. *What was the main reason you had to give up your plans to leave this community?* Select respondent's MAIN reason for giving up their plans to leave the community the last time (reported in 8B). DO NOT READ OPTIONS. If Option 1 is selected (lack of money from unexpected shock/event), ask Q8D. Otherwise, continue to next section.
- 8D. *What unexpected shock or event resulted in a lack of money?* Select all that apply. DO NOT READ OPTIONS.

SECTION 1E: REMITTANCES

Description: This section captures information on income of the household through remittance. A remittance is the transfer of money by a foreign worker to his or her home country. A remittance can also be sent from within the country, in which case it is referred to as domestic remittance. Remittances contribute to economic growth and to the livelihoods of people worldwide. Moreover, remittance transfers can also promote access to financial services for the sender and recipient, thereby increasing financial and social inclusion. Remittance should come from a non-household member, either located within or outside Nigeria. It must be emphasized, however, that gifts received for celebrations such as birthday, naming ceremonies, funerals, among others should not be considered as remittances.

Respondent: The respondents are all household members 10 years and older currently living in the household, or a knowledgeable adult member of the household.

- 0a. Select YES if MEMBER is responding for him/herself and NO otherwise.
- 0b. If MEMBER is not responding by him/herself, then select the household MEMBER who is responding on his/her behalf.
1. This is a filter question to determine whether or not the MEMBER received any **monetary or in-kind assistance** from abroad or within the country, either from friends, relatives, or organizations in the past 12 months. In-kind benefits come in the form of electronics, automobiles, etc.
3. This question asks for the total monetary gift that MEMBER received from abroad in the past 12 months in Naira. It must be noted that some individuals might have received monetary gifts in Naira as well as in other foreign currencies. The interviewer should help the respondent to convert all into Naira.
4. Select the main reason for which the remittance was intended to be used by MEMBER.
6. The interviewer should record the total estimated value of the in-kind gift received by the MEMBER in the last 12 months, as well as the appropriate currency unit code in Q7b. For instance, if MEMBER received a car at N500,000 and a mobile phone valued at N20,000, then the total value of in-kind gifts received from abroad should be N520,000.
8. This question asks for the total monetary assistance that MEMBER received from within Nigeria from a non-household member. This must be recorded in Naira.
9. Select the main reason for which the remittance was intended to be used by MEMBER.

11. The interviewer must record the total estimated value of the in-kind gift received by MEMBER in the last 12 months in Naira.

SECTION 3: HEALTH

Description: A key aspect of household welfare is the ability to seek and have access to medical care when required.

Respondent: This part should be administered to each member of the household. Parents or guardians can, however, answer for younger children, while respondents 12 years and older should respond for themselves.

Instructions: QUESTIONS 3– 17a REFERENCE PERIOD IS 4 WEEKS AND
QUESTIONS 18 – 20 REFERENCE PERIOD IS 12 MONTHS.
QUESTIONS 30 – 32 REFERENCE PERIOD IS YESTERDAY

GENERAL HEALTH CONDITION

1. *IS [NAME] ANSWERING FOR HIM/ HERSELF?* DO NOT read out the question. Select YES if you are interviewing MEMBER him/herself and NO if the information is being provided in proxy.
2. *Who in the household is responding for [NAME]?* DO NOT read out the question. If response is given by proxy, select the respondent who is answering on behalf of MEMBER. MEMBER is filtered from the list of answer options.
3. *During the past 4 weeks has [NAME] consulted a health practitioner or dentist or traditional healer or a Patent Medicine Vendor or visited a health centre?* This is a filter to know whether the MEMBER consulted any medical practitioner or dentist, traditional healer, patent medicine vendor or visited a health care centre in the last 4 weeks. The visit does not have to be because the individual had a health or dental problem. If NO response, continue to Q5.
4. *For what reasons did [NAME] seek consultation?* In this question, we are interested in knowing the main reason(s) why the individual consulted a health practitioner (reported in Q3). The reasons are for all the visits in the past 4 weeks. The question allows for up to three (3) reasons. If there are more than three reasons, only the three most important ones should be taken. If ILLNESS or INJURY selected continue to Q6.
5. *During the last 4 weeks did [NAME] suffer from an illness or injury?* This question is for all household members whether or not they consulted any health practitioner, traditional healer or dentist, etc. in the past 4 weeks. A “Yes” response takes us to the next question, while a “No” answer, skips to Q18.
6. *What type of illness/injury did [NAME] suffer most in the past 4 weeks?* If the individual suffered either injury or illness within the reference period, the enumerator should probe to get the most serious one(s) from the individual and select the appropriate response. The question allows up to 2 illnesses/injuries per member in order of the seriousness of the illness or injury with the most serious being recorded as 1st.

DEFINITION OF ILLNESSES

Cholera is an infectious disease that causes severe watery diarrhea, which can lead to dehydration and even death if untreated. It is caused by eating food or drinking water contaminated with a bacterium called *Vibrio cholerae*. (www.webmd.com)

Malaria is a mosquito-borne disease caused by a parasite. People with malaria often experience fever, chills, and flu-like illness. (www.cdc.gov)

Typhoid is a bacterial infection that can lead to a high fever, diarrhea, and vomiting. It can be fatal. It is caused by the bacteria *Salmonella typhi*. The infection is often passed on through contaminated food and drinking water, and it is more prevalent in places where handwashing is less frequent. (www.medicalnewstoday.com)

High blood pressure, or hypertension, occurs when blood pressure increases to unhealthy levels. (www.healthline.com)

Common Cold - also known simply as a cold, is a viral infectious disease of the upper respiratory tract that primarily affects the nose. Signs and symptoms may appear less than two days after exposure to the virus. These may include coughing, sore throat, runny nose, sneezing, headache, and fever. (www.wikipedia.com)

Flu (Influenza) is a contagious respiratory illness caused by influenza viruses whose symptoms are generally worse than common cold. It can cause mild to severe illness. Some symptoms include; fever and muscle aches. (www.cdc.gov)

Catarrh is a build-up of mucus in an airway or cavity of the body. It usually affects the back of the nose, the throat or the sinuses (air-filled cavities in the bones of the face). It's often temporary, but some people experience it for months or years. (www.nhs.uk)

A **cough** is a common reflex action that clears the throat of mucus or foreign irritants. Coughing to clear the throat is typically an infrequent action, although a number of conditions can cause more frequent bouts of coughing. In general, a cough that lasts for less than three weeks is an acute cough. (www.healthline.com)

Tuberculosis or TB, as it's commonly called -- is a contagious infection that usually attacks the lungs. Signs and symptoms include; A cough that lasts more than 3 weeks, chest pain, coughing up blood, feeling tired all the time, night sweats, chills, fever, loss of appetite and weight loss. (www.webmd.com)

Diabetes is a disease in which your blood glucose, or blood sugar, levels are too high. (www.medlineplus.gov)

Dysentery is an intestinal infection that causes severe diarrhea with blood. In some cases, mucus may be found in the stool. This usually lasts for 3 to 7 days. Other symptoms may include: abdominal cramps or pain. (www.healthline.com)

Scabies is an itchy skin condition caused by a tiny burrowing mite called *Sarcoptes scabiei*. Intense itching occurs in the area where the mite burrows. (www.mayoclinic.org)

Trachoma is a disease of the eye caused by infection with the bacterium *Chlamydia trachomatis*. Infection spreads through personal contact (via hands, clothes or bedding) and by flies that have been in contact with discharge from the eyes or nose of an infected person. With repeated episodes of infection over many years, the eyelashes may be drawn in so that they rub on the surface of the eye, with pain and discomfort and permanent damage to the cornea. (www.who.int)

Hepatitis B is an infection of the liver. It can cause scarring of the organ, liver failure, and cancer. (www.webmd.com)

Streptococci infections vary in severity from mild throat infections to pneumonia.

Onchocerciasis (River blindness) is an eye and skin disease caused by a worm (filaria) known scientifically as *Onchocerca volvulus*. It is transmitted to humans through the bite of a blackfly (*simulium* species), which leads to blindness. (www.who.int)

Pneumonia is an inflammatory condition of the lung affecting primarily the small air sacs known as alveoli. Typically, symptoms include some combination of productive or dry cough, chest pain, fever, and trouble breathing. (www.wikipedia.com)

COVID-19 is a respiratory disease caused by SARS-CoV-2, a coronavirus discovered in 2019. The virus spreads mainly from person to person through respiratory droplets produced when an infected person coughs, sneezes, or talks. Some people who are infected may not have symptoms. (www.cdc.gov)

7. *Did [NAME] have to stop his/her usual activities in the past 4 weeks because of [Q6 1st choice]?* This question asks if the more serious ILLNESS/INJURY mentioned in Q6 made MEMBER stop or unable to undertake his/her usual activities. *NOTE: Usual activities* refer to the activities or activity that the respondent spends most of his/her time doing. This could be work on the job, attending school, doing housework, etc. A NO response will continue to Q9.
8. *For how many days did [NAME] have to stop his/her usual activities because of [Q6 1st choice]?* In asking this question, the enumerator should probe to get the number of work or school (or housework etc.) days missed in the past 28 days (4 weeks) because of the ILLNESS/INJURY given in Q6.

QUESTION 9 – 15: These questions are for those persons, who suffered an illness or injury in the past 4 weeks.

9. *Whom did [NAME] consult for [Q6 1ST CHOICE] in the past 4 weeks?* This question seeks to find out which category of health practitioner was visited, if any, for each ILLNESS/INJURY. The question allows for up to two different categories of health practitioners. If the respondent did not visit a health practitioner, i.e. 'no one', the enumerator should select that answer. "*Consult*" in this question means to be examined by a Doctor, Medical Assistant, Nurse, Pharmacist, Midwife, Traditional healer or other health practitioners for diagnosis and/or treatment of the illness or injury. You select up to 2 practitioners in order of importance.

Explanation of some of the categories of health practitioners is given below:

Traditional Healer refers to one who uses medicinal herbs and plants to treat patients. In some cases, a traditional healer may also use signs, prayers or folk remedies. Traditional healers are concerned with treating the whole person, focusing on family and social relationships. The traditional healer's approach is a holistic one, with the mind, body and spirit being regarded as special elements in the healing process.

A doctor is physician, who examines, diagnoses, and treats patients.

A dentist is a doctor dealing only with dental care, who examines, diagnoses, and treats patients.

A nurse can be synonymous to a physician assistant, who examines, diagnoses, and treats patients under the supervision of a physician. A person educated and licensed to practice nursing and one, who is concerned with the diagnosis and treatment of human responses to actual or potential health problems.

Medical assistants referred here are licensed health care workers, who perform the administrative and clinical tasks that keep the offices of health practitioners running smoothly.

A midwife is a person; usually a woman but can be a man, who is trained to assist women in childbirth, i.e. the person serves as an attendant at childbirth but is not a physician.

A pharmacist is a person trained to formulate and dispense drugs or medications. The pharmacist has formal training through completion of an accredited university program in pharmacology. Licensure is required upon completion of the program and prior to serving as a pharmacist.

Junior Community Health Extension Workers (JCHEW) are health practitioners that are community-based. They conduct simple consultations and carry out laboratory investigations such as stool test, urinalysis, widal, etc. They consult, prescribe and make referrals. They are normally trained for two (2) years in an accredited and recognized college of health technology. They have a registration council in Nigeria.

Community Health Extension Worker (CHEW) are upper level of JCHEW. They have a 3-year training period and need a minimum of 5 credits to be enrolled in a college of health technology. They perform other functions such as post and ante natal care, and also engaged in routine immunization. They are also registered and have a registration council in Nigeria

A **spiritualist** draws on spirits from gods, ancestors, etc. to heal persons. Example of these persons are Babalawo, Malams, etc. Note that there is a thin line between traditional healers and spiritualists, as some spiritualists also uses herbs and other natural products in their healing process.

A **Traditional Birth Attendant (TBA)** is one, who assists the mother during childbirth. She may have acquired skills by delivering babies herself, or through apprenticeship from other TBAs.

Chemist/Patent Medicine Vendor (PMV) supplies a large portion of the drugs used by the public in African countries to treat illnesses. They are similar to pharmacist but with no formal training and are more like sales people selling medicine to people. They are in fact similar to kiosk medicine vendors.

- 9b. *Why did [NAME] not consult anyone regarding [Q6 1ST CHOICE] in the past 4 weeks?* If the respondent did not visit a health practitioner for the more serious illness/injury select the reason(s). Select all that apply.
10. *Where did [NAME]'s consultation with [Q9] for [Q6 1ST CHOICE] take place?* This question asks for the place where the consultation with most important practitioner (first choice in Q9) for the more serious illness/injury took place.

Definitions of some of the locations listed are given below.

- **Hospital** is a healthcare institution providing patient treatment with specialized health science and auxiliary healthcare staff and medical equipment.
- **Clinic** is a health care facility that is primarily focused on outpatient care. A clinic is smaller in structure, equipment and staff than a hospital.
- **Primary Health Center (PHC)** provides community care (supporting community-based health workers) and care programmes for disabled people and people with chronic or terminal illness. Some PHC services may also have a delivery room, a few short stay beds and basic laboratory equipment.
- **Pharmacy** is a retail shop where the predominant product sold is mainly medicine but at times other articles are sold and a pharmacist is in sight. This does not include kiosks where a pharmacist is not available. One may have a prescription or ask the pharmacist to prescribe medication.
- **Chemist shop** is commonly used in Great Britain and has been adopted in Nigeria. It is a drugstore that commonly sells medicines, as well as miscellaneous items E.g H-MEDIX.
- **Maternity Home** is a supportive home provided to pregnant women.
- **MCH Post** is a Maternal and Child Health post. Main function concerns health status of mother and children.
- **Consultant Home** refers to medical practitioner's home.
- **Faith-Based Health Facility** is a health facility that is being run by religious body e.g Hamadiyah health centre, catholic hospital, etc.
- **Other** refers to any other classification not stated above and includes over-the-counter purchases in kiosks through self-prescription.

11. *Who ran the [Q10] where [NAME]'s consultation with [Q9] for the [Q6 1ST CHOICE] took place?* This is the authority who owns the location given in Q10. For example, if the person consults a doctor in a hospital, the enumerator will need to determine whether it is a federal, state, or local government hospital, etc.

Definitions of some of the types of establishments are given below.

- **Federal Govt** is a union comprising a number of partially self-governing states united by a central ("federal") government.

- **State Govt** is the self-governing status of the state and is a component of the federal government. It is the second hierarchy of the government in Nigeria.
- **Local Govt** is the political administration of the smallest subdivisions of a country's territory and population. It is the third level of the government in Nigeria.
- **Community** based run health facility may be public or private as they are managed by the community. However, most community run facilities are public institutions.
- **Religious Body** is a facility managed and supported by a religious organisation. The question does not ask denomination or sect so enumerator must be very careful when probing for a response.
- **Corporate** refers to one owned by a private large company/entity. For example, Shell or Mobil.
- **Institutional** refers to one connected with a large important organization, for example a university or bank.
- **Non-Governmental Organization (NGO)** is said to include a wide range of local organizations that are recipients of both local and foreign assistance. It is a voluntary non-profit grouping of individuals with a purpose of enhancing the legitimate economic, social and/or cultural development of a group of people or an organization e.g. Society for Family Health.
- **Private** refers both to Group Partnership (group of individuals that come together to open and manage a health facility jointly) or Individual (sole) – health facility owned by one person.

12. *How much did the household pay for [NAME]'s consultation with [Q9], excluding drugs?*

This question refers to the cost of the visit to see the health practitioner for any of the ILLNESSES/INJURIES, includes payment for card/registration, consultation, tests, and treatment. The amount here does not include money for drugs.

13. *How much did the household pay for [NAME]'s transportation to and from the [Q9]?*

The amount is for transportation costs both ways, i.e. going for the consultation and returning home. Any stops made in between must be excluded from the final Naira amount. If the household used private vehicle, ask to estimate the cost of fuel, if the cost of fuel cannot be estimated please provide the equivalent cost in public transport. If they were transported for free, record zero. If consultation took place at patient's home (selected in Q10), this question will be skipped. INCLUDE COSTS FOR ACCOMPANYING PEOPLE.

14. *How long did it take to travel (one way) for [NAME]'s consultation with the [Q9]?* This question seeks to determine how long it took MEMBER to **travel** to see the health practitioner.

Examples of how to record travel:

- If time taken is 60 minutes, enter 60 as Quantity and select MINUTE.
- If 1 hr 20 min, then enter 80 as Quantity and select MINUTE.
- If 2 hours, then enter 2 as Quantity and select HOUR.

15. *How long did [NAME] have to wait to be attended for this consultation with [Q9]?* This question seeks to determine how long MEMBER **waited** to see the health practitioner, after arrival at the consultation location.

16. *In the past 4 weeks, did the household spend any money for [NAME]'s drugs or medicines?*

Ask if the household had to pay any out-of-pocket fee for MEMBER's drugs or medicines in the past 4 weeks. **Note:** that this includes purchases of ALL prescription and non-prescription medicines and drugs in the past 4 weeks, not just those related to the consultation with the health worker or injury/illness reported in Q6. DO NOT INCLUDE drugs related to hospital admissions. If No, continue to Q17b.

17. *How much did the household pay for [NAME]'s prescription drugs or medicines in the past 4 weeks?* Record the amount paid for MEMBER's drugs or medicines prescribed or recommended by a health practitioner in the past 4 weeks. EXCLUDE DRUGS RELATED TO HOSPITAL ADMISSIONS.
- 17a. *How much did the household pay for [NAME]'s non-prescription drugs or medicines in the past 4 weeks?* Record the amount paid for MEMBER's drugs or medicines that were NOT prescribed or recommended by a health practitioner in the past 4 weeks. EXCLUDE DRUGS RELATED TO HOSPITAL ADMISSIONS.

QUESTIONS 18-20: Reference period is 12 months preceding date of interview.

18. *During the past 12 months was [NAME] admitted to a hospital or health facility?* Select Yes if MEMBER was admitted in a hospital or health facility in the past 12 months. INCLUDE TRADITIONAL HEALING CENTRES.

To be *Admitted (hospitalised)* in a health facility means to stay in a health facility or centre (hospital, clinic, dispensary, or traditional healing center etc.) for at least a period of one night on the recommendation of a consulted health practitioner. This does not include healthy people staying or sleeping in the hospital/premises to attend to sick relatives or a woman who went to deliver a baby. However, a pregnant woman that was admitted due to illness, should be included.

19. *During the last 12 months how many nights did [NAME] stay in hospital or health facility?* INCLUDE TRADITIONAL HEALING CENTRES. Record the number of nights that MEMBER spent on admission in the hospital, health facility or traditional healing center in the last 12 months.
20. *How much did the household pay for [NAME] to stay in the hospital or health facility in the last 12 months?* Record the amount the household paid out-of-pocket for MEMBER's stay in the hospital, health facility or traditional healing center in the last 12 months. This includes all costs incurred due to the admission, including payment for consultation, tests, medical procedures and drugs/medicines.

DISABILITY: Q23 – Q28

Introduction: Developmental disabilities are a diverse group of severe chronic conditions that are due to mental and/or physical impairments. These questions include both physical and mental disabilities and are meant to capture conditions, which are permanent. Physical and mental disabilities to be considered here are those which prevent the person from maintaining a significant activity or schooling. This may be some physical impairment of limbs, a physical disease, or mental illness, which renders the person incapable of pursuing a significant activity.

Note: Someone, who is temporarily disabled due to a broken leg would not be considered disabled – their impairment is temporary.

Respondent: This part should be administered to each member of the household who are aged 5 years or older.

Some people have difficulty in doing certain activities. The term “difficulty” has broad applicability. This term may cover components of quality, quantity, time required and assistance required performing the tasks or actions mentioned. Persons with very mild limitations are sometimes unsure as to where to draw the line between a “real difficulty” and normal change associated with aging. However, as the severity of the difficulty increases, the uncertainty diminishes.

This asks general questions on daily activities. It asks if household member has difficulty in performing his/her day-to-day tasks. It is important to ask the questions exactly as written and read out all the options. Probe and code appropriately.

CAPI FILTER: If MEMBER is 5 YEARS OR OLDER, Q23 to Q27 will open. If No, continue to Q30

23-27. *Does [NAME] have difficulty seeing even if he/she is wearing glasses?* This question format is used for hearing, walking, remembering/concentrating, washing/dressing/feeding/toileting, and communicating. READ OUT OPTION. Select the option that is indicated by the respondent.

30–33 Treated Bed Nets Module

It is recognized that consistent use of insecticide-treated mosquito nets (ITN) decreases the incidence of clinical malaria and malaria-related deaths, especially in very young children and pregnant women. Consequently, many countries are now instituting programmes that promote the use of ITNs. There are various types and brands of mosquito nets. Some require regular treatment with insecticide. Others are factory-treated and do not require re-treatment for 6 to 12 months (pre-treated) or 36 months (permanent type).

30. *Did [NAME] sleep under a bednet yesterday?* The information in Q31 requires the bed net usage information for each individual in the household. This seeks to find out whether the MEMBER slept under a bed net YESTERDAY. If No, continue to next person.

30a. *Was the bednet [NAME] slept under yesterday insecticide treated or untreated?* If the response to Q30 is YES, then Q30a asks if the net used the previous night was a treated or untreated net. DO NOT READ OPTIONS, select the appropriate response.

31. *How did the household obtain [NAME]’s bednet? This question asks how the bednet was obtained. DO NOT READ OPTIONS. Select the appropriate response. If the bednet was obtained for free, continue to the next person.*

31a. *Was this bednet purchased in the last 12 months?* This question is only asked if Q31=2, 3 (purchased bednets with or without vouchers). Select YES, if the bednet was purchased in the last 12 months.

32. *How much did the household pay for the bednet that [NAME] slept under yesterday?* What was the cost of the bednet to the household. The price should be written in absolute value. If several household members sleep under the same net, make sure you **DO NOT RECORD THE COST OF THE SAME NET MORE THAN ONCE**. For shared nets, once it has been recorded for one MEMBER, do not record for other MEMBERS. You should check with the respondent if the bednets are shared or individuals have separate ones.

NOTE: If the respondent is not sure of the types of bed net, the enumerator should probe to get the correct response, try to observe the net, if possible. All bed nets should be considered, including the ones used by little babies.

SECTION 4A: LABOUR

Description: This section asks about INCOME GENERATING activities of all household members that are 5 years or older. There are different sub-sections within the labour module that ensure all the different types of work activities are captured.

Respondent: Household members should answer for themselves. For children under 12, the parents or an adult member of the household should answer on their behalf.

Instructions: If some household members are absent, proceed with the interview for all those present and make the necessary arrangements to visit again and continue the interview with absent members after ascertaining the appropriate time that they would be available. **Only use a proxy response if it is not possible to interview a member directly after several attempts.**

READ OUT: WE WOULD NOW LIKE TO ASK YOU QUESTIONS REGARDING THE DIFFERENT ACTIVITIES THAT YOU AND YOUR HOUSEHOLD MEMBERS DO.

MEMBERS

One subsection for all current household members that are 5 years or older.

2. *IS [NAME] ANSWERING FOR HIMSELF/HERSELF?* DO NOT read out the question. Select YES if you are interviewing MEMBER him/herself and NO if the information is being provided in proxy. NOTE, it is preferable for MEMBERS to respond to the questions in this section by themselves, so a proxy should only be used when it becomes very necessary.
3. *WHO IN THE HOUSEHOLD IS RESPONDING FOR [NAME]?* DO NOT read out the question. If response is given by proxy, select the respondent who is answering on behalf of MEMBER. MEMBER is filtered off the list of answer options.
4. *In the last seven days, did [NAME] do any work for someone who is not a member of this household for payment in cash or in-kind?* Select YES if MEMBER has done any form of paid work in the PAST 7 DAYS that was not for a household member, even if only for one hour, paid in cash or in-kind or with deferred payment. This work INCLUDES PAID JOB DONE ON SOMEONE ELSE'S FARM, APPRENTICESHIPS OR PAID INTERNSHIPS. This question EXCLUDES PERSONS WHO WORKED AS SELF-EMPLOYED, for example in a business or market-oriented activity with the intention of earning a profit, or those helping in a household enterprise. These persons will be captured in subsequent questions.
5. *How many hours did [NAME] do this work in the last seven days?* Record the TOTAL number of hours the number of hours the person worked for a wage, salary or any other pay during the **PAST 7 DAYS**. EXCLUDE hours worked on the day of the interview. Record the hours MEMBER ACTUALLY worked in the past 7 days, not would have worked normally. EXCLUDE the time GOING TO AND FROM WORK. INCLUDE break times.

ONLY include the time when the work was the member's MAIN ACTIVITY at the time. *EXAMPLE 1: Onu sells firewood that he has in front of his house. He normally does other things, but when a customer comes, he sells wood. Transactions typically take 15 minutes, he had around 20 transactions in the past 7 days. Record $20 \times 0.25 = 5$ hrs.*

EXAMPLE 2: Dayo has a shop and opens the shop from 9 am to 5 pm. During the time customers come and go, but her main activity is keeping the shop. She works on 5 days, so record $8 \times 5 = 40$ hrs.

EXAMPLE 3: Denis worked on the field Tuesdays and Thursdays. He usually left his house at 7 am and came back at 4pm. It takes him 30 minutes to get to the field and 30 minutes to get back. Record $2 \times 8 = 16$ hrs per week.

6. *In the last seven days did [NAME] work in a non-farm household business that [NAME] operates for one or more hours?* Select YES if MEMBER was engaged for at least one hour in any type of business that is not agriculture related or non-farm household enterprise (NFE) that the person manage or operates in the last seven days. NFEs are also commonly referred to as household businesses and include any kind of business activity to earn an income in the form of profits (in cash or in kind) such as craftsman,

hairdresser, shopkeeper, making and selling of food, medical practice, and so on. Only include here business activities for which the person manages or operates the NFE, meaning they make decisions about running the business, such as the types of good and services offered, hours of operation, the hiring of employees (when applicable), etc. Include all businesses the person operated/managed last week, even if at the time any were not making a profit or were incurring a loss.

This question excludes household farming, livestock, fishing, and forestry (hunting/foraging) activities. Exclude persons who worked last week in any kind of paid job (employees or paid apprentices). If No, move to Q8.

7. *How many hours did [NAME] do this work in the last seven days?* Record the number of hours that MEMBER worked in any and all NFEs managed or operated by MEMBER in the last seven days. DO NOT include the time it took for MEMBER to reach the place of work, only the hours actually worked including break times.
8. *In the last seven days, did [NAME] help in a non-farm household business that is operated by another household member for one or more hours?* Select YES, if MEMBER worked for or with another member of the household on a non-agriculture related business in the last seven days. Exclude enterprises in which the person makes decisions about running the business; these activities should have been captured in Q6.
9. *How many hours did [NAME] do this work in the last seven days?* Record the number of hours MEMBER did this work operated by another household member in the last seven days. Record the hours actually worked, not the number of hours they usually or normally would have worked. Include break times but exclude commute time (the time going to and from work).
10. *In the last seven days did [NAME] work on household farming, livestock, fishing or forestry activities for one or more hours?* Select 'YES' if the person did any of the following work last week, for one hour or more:
 - Any farming-related work on land owned, rented, or otherwise used by members of this household. Exclude paid farming work on non-household land.
 - Any livestock-related work with animals owned or rented by members of this household. This includes breeding, raising, or caring for livestock (cattle, sheep, goats, etc) as well as any other animals raised for meat, goods, or services (donkeys, poultry, rabbits, bees, etc). Exclude employment looking after another household's animals (e.g., work for payment as a herder).
 - Any fishing-related work, such as fishing, aquaculture, shellfish collection, etc. Exclude employment in fishing and aquaculture activities (e.g., work for a non-household member for payment as a fisherman).
 - Any forestry-related work, such as collecting wood or plants, foraging for food or other goods, and hunting in forests or other uncultivated areas (grasslands, seashores, etc). Exclude employment in forestry activities (e.g., working for a non-household member for payment in any of these areas, receiving payments for forest services).
11. *In the last seven days did [NAME] help on a household farm, raising livestock, fishing or forestry activities for one or more hours?* Select YES, if MEMBER helped in the execution of any of the agriculture-related activities in the last seven days. Be sure respondent understands that you want to know if MEMBER assisted in any way on these activities for at least an hour in the past week. Any support provided should be counted toward a YES. This question is asked when the answer to Q10 is 'NO'. Some respondents may spend time contributing to these activities but may not consider their input to qualify as work. However, for the purpose of this survey, these activities are classified as work and additional

information must be collected from the respondent. The question intentionally does not include the word “work” and any translations or explanations should exclude the word as well.

12. *How many hours did [NAME] work or help on a household farming, raising livestock, fishing or forestry activities in the last seven days?* Record the number of hours MEMBER was engaged in agricultural activities in Q10 and/or Q11. Record the hours actually worked, not the number of hours they usually or normally would have worked. Include break times but EXCLUDE commute time (the time going to and from work).

- 13a. *Thinking about all the products [NAME] worked on, household farming, raising livestock, fishing or forestry activities are they intended...The main intended usage of the products from the person’s work in household farming, fishing, livestock, or forestry activities.* This question relates specifically to the output of each person’s own work in farming, fishing, livestock or forestry activity, not the total output of the household. READ OPTIONS.

Ask the respondent to select the answer that applies best. ONLY FOR SALE means that the person intends to sell all the output from their work in these activities. BOTH FOR SALE AND FOR HOUSEHOLD USE means more than some of the output from this person’s activities was/will be sold or bartered, but some was/will be consumed by the household. ONLY FOR HOUSEHOLD USE means that all the output from this person’s activities will be consumed by the household.

- 13b. *Thinking about those products, what share is intended to be sold?* This question appears if the MEMBER selected “Both for sale and household use” in Q13a. Ask for the share of the products that [NAME] worked on that are intended to be sold. DO NOT READ OPTIONS.

- 13c. *In general, in the past, have those products mainly been sold or kept for household use?* This question appears if the MEMBER selected “½” in Q13b. DO NOT READ OPTIONS.

RECOVERY QUESTIONS

Question 15 -16: is asked to those who reported that they have not engaged in any income-generating activity in the last 7 days, including wage job, apprenticeship, working or helping in a household farm or non-farm business. These are recovery questions to see if MEMBER remembers any activity.

15. *In the last seven days, did [NAME] run or do any kind of business, farming or other activity to generate income?* Use examples if necessary to explain what any kind of business or farming activity may include. Examples are petty trading, hairdressing, barber, catching fish, raising animals and so on. The words “work”, “job”, or “employment” MUST NOT be used, as the intent is to capture activities that meet the definition of work or employment even when individuals themselves do not consider the activities to do so.
16. *Or, did [NAME] help with the business, farm or paid job of a household member?* Select YES if the person HELPED any household member with their activities in any sort of work or employment in the last seven days. If a respondent helps another household member with their paid job and the respondent is not paid for this activity, this qualifies as employment. Examples of such work include a son who helps his mother grade papers, where the mother is employed as an elementary school teacher; and a wife who helps her husband cut vegetables, as part of his paid employment as a cook at a restaurant (that is not owned by the household). Both the wife and the son are classified as employed, although not affiliated with the school nor with the restaurant. A respondent who “helps” with activities of a household enterprise of another household member is classified as employed.

As in the previous question, the words “work”, “job”, or “employment” MUST NOT be used; again, the intent is to capture activities that meet the definition of work or employment even when individuals themselves do not consider the activities to do so.

17. *How many hours did [NAME] do this work in the last seven days?* Record only the work hours for the activities in Q15 and/or Q16, breaks included. DO NOT include the time GOING TO AND FROM WORK. INCLUDE break times.
18. *Was [NAME]’s work in HH farming, fishing or forestry activities?* This is a recovery question to see if MEMBER remembers any additional activity. Please ask the question as it is and select MEMBER’s answer.
- 19a. *Thinking about all the products [NAME] worked on, are they intended?* Refer to Q13a for explanation.
- 19b. *Thinking about those products, what share is intended to be sold?* Refer to Q13b for explanation.
- 19c. *In general, in the past, have those products mainly been sold or kept for household use?* Refer to Q13c for explanation.

TEMPORARY ABSENCE

- 22a. *Does [NAME] have a temporary job or income-generating activity, which he/she was absent from the last seven days?* Asked only if MEMBER did not participate in any income generating activity in the past 7 days, i.e., Q4, Q6, Q8, Q10 and Q11, Q15, and Q16 received a NO response. Select YES if MEMBER normally or regularly works in a job, as self-employed, for a household business or household farm (incl. agriculture, livestock, fishing, forestry), and is expected to return to the activities in the near future. If Yes, move to Q23.
- 22b. *Does [NAME] have an unpaid job in any kind of business run by your household that [NAME] will return to?* If MEMBER has something he/she is doing that is unpaid and it is for a household member, select YES.
23. *Why did [NAME] not work during the last seven days?* Select the best option that describes why MEMBER did not work at his/her job reported in Q22a and Q22b, during the last 7 days. DO NOT READ OPTIONS.
24. *Including the time that [NAME] has already been absent, will [NAME] return to the same job, business or household farm/livestock/fishing in three months or less?* Though MEMBER has been absent from their job, if it is expected that MEMBER will return to this work before 3 months have elapsed, select YES. Probe if respondent is unsure about when he/she will return to work using the 3-month time frame. If No, move to Q28.
25. *During the low or off-season, does [NAME] continue to do some work for that job, business or household farm/livestock/fishing?* Asked only when reason for absence is because of the low or off-season (Q23=2). Record ‘YES’ if, during the period considered as low or off-season, the person continued to perform at least some of the tasks or duties of their work. For example, clearing a field, applying fertilizer, checking orchards for overall tree health, buying supplies for a construction business, repainting their seasonal shop, etc. – anything in preparation for the high or active season.
26. *Was [NAME]’s work in household farming, livestock, fishing or forestry activities?* Select YES, if the work that MEMBER was temporarily absent from in Q22a and Q22b, is in a household-owned agricultural activity. If No, move to Q38.
- 27a. *Thinking about all the products [NAME] worked on, are they intended...?* Refer to Q13c for explanation.

- 27b. *Thinking about those products, what share is intended to be sold?* Refer to Q13b for explanation.
- 27c. *In general, in the past, have those products mainly been sold or kept for household use?* Refer to Q13c for explanation.

JOB SEARCH

28. *During the last four weeks, did [NAME] do anything to find a paid job?* Only asked if no income generating activity has been registered for MEMBER. Select YES if MEMBER has taken any **ACTUAL action in the past 4 weeks** to find work or start an income generating activity, such as actively asked around for work, or applied for jobs. Do NOT select YES if MEMBER only wanted to get work but did not actively do anything towards it or had asked for work prior to 4 weeks ago and was only waiting to hear back. If Yes, move to Q30.
29. *Or did [NAME] try to start a business?* Select YES, if MEMBER has taken concrete action in the past 4 weeks to start a business such as seek financial help for a proposed business, develop a business plan, network with persons in the field of interest. Select NO, if there is only a desire but no action has been taken in the past four weeks. If No, move to Q32.
30. *What did [NAME] mainly do in the past 4 weeks to find a job or start a business?* Record the main actions taken by the person in the last four weeks to find paid work or start a business. **RECORD UP TO 2 ACTIONS.**
31. *For how long has [NAME] been without work and trying to find a job or start a business?* Record the amount of time the person has been without work and actively trying to find a job or start a business. For example, if the respondent has been looking for work for 6 months but did some work for pay 3 months ago then the right response would be 3 months. **DO NOT READ OPTIONS.** Continue to Q34.
32. *At present does [NAME] want to work in a paid job or business?* Record 'YES' if the person **wants to work at present**. Do not probe or question their response, regardless of any previous answers or information provided. If No, move to Q37.
33. *What is the main reason [NAME] did not try to find a paid job or start a business in the last 4 weeks?* Asked only of persons who did nothing to find a paid job or start a business but have a desire to work.

Select the response for the main reason the person did not look for work in the last four weeks. If the respondent mentions more than one reason, ask them to confirm which one is the most important reason. **DO NOT READ OPTIONS.**
34. *If a paid job or business opportunity had been available, could [NAME] have started working the last seven days?* Select 'YES' if the person reports being available to work in the last seven days, meaning the person had the time and capacity to work in any form if there had been any possibility to do so. Select 'NO' if the person reported having no time to work for any reason. If Yes, move to Q37.
35. *Or could [NAME] start working in a paid job or business within the next 2 weeks?* Select YES, if MEMBER is available to start working within the next 2 weeks if a job or business opportunity were to become available. If Yes, move to Q37.
36. *Why is [NAME] not available to start working in a paid job or business?* Only asked if Q34 or Q35=NO. Record the reason MEMBER is unable to start working within the next two weeks.
37. *Which of the following best describes what [NAME] is mainly doing at present?* **READ OUT ALL OPTIONS** and record what the respondent reports as the main current activity. It could be the activity they spend

most time on or the activity they feel is most important but should be up to the respondent to determine this. Move to Q62.

MAIN JOB IDENTIFICATION

38. *In the last seven days did [NAME] have more than one job or business?* Select 'YES' if the respondent has more than one job or business. A self-employed person who works for more than one client is not considered to have more than one job or business. A separate job should involve working in a different economic activity or in a different status in employment. For example, a person who runs their own business and also works as a government employee; or a self-employed person who runs a convenience shop during the day and drives a taxi during the evenings. For employees it refers to the number of employers they have, for example an employee of a real estate agency has one job, regardless of how many clients they might serve through that agency. If No, move to Q40a.

ENUMERATOR READ OUT: I am now going to ask you some questions about [NAME]'s main job. The main job is the one where [NAME] usually works the highest number of hours (even if [NAME] was temporarily absent the last 7 days).

- 40a. *What are [NAME]'s main tasks and duties in [NAME]'s main job?* Give a detailed description of the activity in MEMBER's main wage job, including the position, and type of industry and workplace, e.g. "cook at a restaurant", "managing a restaurant", "assistant in a pharmacy", etc. Do NOT just write "restaurant". For example, if the respondent says he/she is a teacher, you should inquire further as to what type of teacher – primary school, vocational school, higher education, and so on, and write down in detail such as "primary school teacher". Detailed descriptions regarding the main tasks/duties should be provided for proper coding.
- 40b. ENUMERATOR: DO NOT READ THIS QUESTION. Select the applicable code using the information provided in Q40a.
- 41a. *What is the main activity of this business or organization where [NAME] works in this main job?* Give a detailed description of the main activity of the establishment in which the work is carried out. The main activity means the main goods and services that the establishment or business produces or provides. This is also known as your "your place of work". Examples include: Police Department - public safety; Restaurant - preparing and serving meals; Transport Company - long distance transport of goods. For example, a cook in a restaurant works in a different industry than a cook at a hospital.
- 41b. ENUMERATOR: DO NOT READ THIS QUESTION. Select the applicable code using the information provided in Q41a.
- 41c. *ENUMERATOR: WHICH OF THE FOLLOWING BEST DESCRIBES THE SECTOR OF THE BUSINESS OR ORGANIZATION FOR WHICH [NAME] WORKED LAST WEEK?* DO NOT READ THE QUESTION. The enumerator should select the applicable sector using the information in Q41a.
42. *In [NAME]'s main job, does [NAME] work?* This is asking for the relationship between MEMBER and the business or organization he/she works for.
- IN OWN BUSINESS OR FARMING ACTIVITY: The person owns and/or runs a household business (farm or non-farm enterprise) and may or may not have employees working for him/her.
 - IN A BUSINESS OR FARM OPERATED BY A HOUSEHOLD OR FAMILY MEMBER: The person participated in any activity to support the operation of a business activity (farm or non-farm enterprise) of a household member living elsewhere.
 - AS AN EMPLOYEE FOR SOMEONE ELSE: The person holds a job with a written or oral contract which gives them a basic pay that is not directly dependent on the revenue of the entity where they work.

- AS AN APPRENTICE, TRAINEE OR INTERN: The person is paid on a temporary basis to acquire workplace experience or skills.
- HELPING A FAMILY MEMBER WHO WORKS FOR SOMEONE ELSE: The person helped with any of the tasks or duties of an employee job held by a household member living elsewhere. For example, a daughter who grades exams for his father as part of his job as a teacher.

43. *In the past 12 months, in how many months did [NAME] work this main job?* Record the actual number of months, of the past 12 months, during which the person worked in their main job.
44. *How many weeks per month does [NAME] usually work in this main job?* Record the number of weeks the person usually worked in their main job, during the months when they worked. If the number of weeks vary by month, ask the person to estimate an average over months actually worked during the last 12 months.
45. *How many days per week does [NAME] usually work in this main job?* Record the number of days per week that the person usually worked in their main job, during weeks when they did any work. If the number of days vary ask the person to estimate an average over the last four weeks.
46. *How many hours per day does [NAME] usually work in this main job?* Record the number of hours per day the person usually works in their main job, referring only to the days they worked. If the number of hours per day vary ask the person to estimate an average over the last four weeks.
47. *How much does [NAME] usually earn in this main job? Over what time interval?* Record the amount usually received in cash or in-kind. For those who are employed by others, record their combined wages, salaries, and other payments. For persons in self-employment or working in household NFEs record profits, which means the total income minus costs. For any in-kind earnings, ask the respondent to estimate the value in Naira.

Record also the time period this payment covers. Let the respondent report their earnings in whichever time frame they prefer (hourly, monthly etc). IF RESPONDENT HAS NOT YET BEEN PAID, ASK: What payment do you expect? What period of time did this payment cover?

48. *In the past 12 months, has [NAME] received any allowances or any other payments (including in-kind) for this work?* This includes bonuses, accommodation, transportation or other expenses paid by employer. Exclude salary but include in-kind payments. Select YES, if MEMBER has received any of these payments from work.
49. *What is the value of those payments that [NAME] received? (EQUIVALENT IN NAIRA) Over what time interval?* Record the Naira value of the allowances MEMBER received in Q48. In-kind payments should be estimated in Naira value as well. If MEMBER has not yet been paid, ask how much they expect. Record the full amount in Naira. Do NOT forget to record the 000s for thousands of Naira.

Record also the time period this payment covers. Let the respondent report their earnings in whichever time frame they prefer (hourly, monthly etc).

50. *Who in [NAME]'s household decides on the use of these earnings?* Select the household member who decides on the use of the earnings of the MAIN wage job of MEMBER.

FILTER: If NAME worked as an employee or apprentice/intern in his/her main job (Q42=3 or 4), questions 52 to 59 will open. If No, continue to Q60.

EMPLOYEES AND APPRENTICES

52. *Who is the employer in [NAME]'s main job?* If in doubt, probe to make sure you select the correct employer type. If the respondent works for the government, check which level of government. Government includes teachers and police force. DO NOT READ OPTIONS.
53. *Is [NAME]'s main employment an apprenticeship job?* Select YES if MEMBER's main wage job is an apprenticeship job i.e. MEMBER worked as part of a scheme where he/she works with experts of a craft or a trade for a set period of time to learn their skills and was paid for the activity. It does NOT matter if the internship is formal or informal.
54. *Does [NAME] contribute to the National Housing Fund?* Select YES, if MEMBER contributes to the Fund. The National Housing Fund is a common fund managed by the government and collected from the salary of workers. The fund can be used by contributors to obtain loans used to build, purchase, or renovate a home.
55. *Including [NAME] how many people work at his/her place of work?* Record the number of persons working in the enterprise/establishment including the owner and MEMBER as well. Include all workers regardless of their status in employment (employees, paid apprentices, contributing family workers, business co-operators, etc.), whether full-time or part-time, with a temporary contract or agreement, etc., even if absent during the reference week. DO NOT READ OPTIONS.
56. *Does [NAME] have written contract/agreement or letter of appointment for this job?* Select YES if MEMBER has any written contract/agreement or letter of appointment for the MAIN wage job. Consider any written document that qualifies MEMBER to be an employee of that entity, including short term contracts. Select NO if MEMBER only has a verbal agreement or has not yet received the contract.
57. *Which of the following benefits is [NAME] entitled to/receive at their main wage job?* Record all types of benefits that are offered by the employer. Read all options out loud and record YES or NO for each type. Probe for other benefits that you may not have mentioned.
- *Pension Scheme* - The person is enrolled in a pension or other retirement benefit scheme through their main job, and their employer pays part/all of the contributions to it. Note that the question is not asking if the person has any form of pension, but whether the employer contributes to it.
 - *Health Insurance* - The person's employer is contributing to (paying for or providing) partial or full health insurance coverage. Note that the question is not asking if the person is insured, but whether the employer provides such benefits.
 - *Participation in a trade union – Allowed to be a member of the trade/labour union*
 - *Annual Holiday/Leave* - The person is entitled to a certain number of days of leave per year, without any reduction in salary.
 - *Sick Leave* – Leave of absence granted because of an illness
 - *Maternity/paternity leave* - The person is entitled to paid leave for the birth of a child.
 - *Transport subsidy* - The person is entitled to subsidized transport to/from their main job. Note that the question is not asking if the person is using this form of transport, but whether the employer contributes to it.
 - *Hazard allowance* - Hazard pay or "hazard duty pay" is extra money added to your regular salary. When there is a risk of injury or death or significant physical hardship, hazard pay is an extra benefit to entice people to take a higher risk with their job.
 - *Holiday bonus* - A holiday bonus is a gift given by an employer to an employee during the holiday season. A holiday bonus can be a physical gift, extra days off or, most commonly, a monetary payment.
 - *Housing allowance* - the amount actually used to provide or rent a home; or. the fair market rental value of the home (including furnishings, utilities, garage, etc.).

58. *During the last 12 months, in which months did [NAME] work in this job?* Select ALL the months that MEMBER worked in the last 12 months. MUST NOT BE MORE THAN 12 MONTHS. If MEMBER worked up to one day in the month, consider to have worked in that month. If MEMBER did not work due to illness or leave, but received a salary, consider to have worked in that month. The answer options are filtered to display all months in the past 12 months. Select ALL 12 MONTHS if MEMBER worked in every month of the year.
59. *During these months, how many weeks per month did [NAME] work in this job?* Record the number of WEEKS in which MEMBER normally or regularly worked PER MONTH in the MAIN wage job, even if MEMBER worked part time or not the full week. Note that the total number of weeks worked cannot be more than 4.
60. *In the last 7 days did [NAME] collect firewood or other natural products for use as fuel by the household?* Select YES, if MEMBER carried out this activity not for pay. Select NO, if it was done for pay.
61. *How many hours in total in the last 7 days did [NAME] collect firewood or other natural products for use as fuel by the household?* Record the number of hours MEMBER spent carrying out this activity. IF ONLY ENTERING TIME IN HOURS, RECORD ZERO FOR MINUTES.
62. *In the last 7 days, did [NAME] fetch water from natural or public sources for use by the household?* Select YES, if MEMBER carried out this activity not for pay. Select NO, if it was done for pay.
63. *How many hours in total in the last 7 days did [NAME] fetch water from natural or public sources for use by the household?* Record the number of hours MEMBER spent carrying out this activity INCLUDING THE WAITING TIME. IF ONLY ENTERING TIME IN HOURS, RECORD ZERO FOR MINUTES.

SECTION 4B: WORK ACTIVITIES IN THE LAST 12 MONTHS

Description: This module focuses on collecting information about the work activities of household members in the last 12 months.

1. *In the last 12 months has [NAME] worked in any of the following activities?* In this question, individuals will be asked to indicate if they have worked in any of the 26 specific activities. Select YES for each activity the respondent has been involved in over the past 12 months.
2. *During the last 12 months, in which months did [NAME] work in this job?* Select the actual months during which the respondent worked on each activity. This question is only asked for activities with YES in Q1.
3. *In the last 12 months, how many months did [NAME] work as [ACTIVITY]?* Record the actual number of months, of the past 12 months during which the person worked in the activity. Should be equal to total months selected in Q2.
4. *Usually, how many days per month did [NAME] work as [ACTIVITY]?* Record the number of days per month that the person usually worked in the activity.
5. *Usually, how many hours per day did [NAME] work as [ACTIVITY]?* Record the number of hours per day the person usually works in the activity. If the number of hours per day vary ask the person to estimate an average over the last 12 months.
6. *While [NAME] was/is working as [ACTIVITY], did/does [NAME] work...* This is asking for the relationship between MEMBER and the business or organization he/she works for. Read the options and select the one that applies.

7. *Where do or did [NAME] work as [ACTIVITY]? This question records the kind of place does the activity was done. Select the physical location where the work takes place.*
8. *While working as [ACTIVITY], how long does or did it usually take to travel to [NAME]'s place of work in this [ACTIVITY] from home? This question asks about the typical commuting time from home to respondent's workplace while engaged in the specific activity. Record the total of minutes and hours. Not ask if "HOME (OF RESPONDENT)" was selected in Q7.*

SECTION 5A: SAVINGS & INSURANCE

Description: This section asks about the savings and insurance practices of household members that are 15 years or older.

Respondent: Household members should answer for themselves.

Instructions: This module is asked for all household members 15 years and older. If some household members are absent, proceed with the interview for all those present and make the necessary arrangements to call back and continue the interview with absent members after ascertaining the appropriate time that they would be available. Only if it is not possible to interview a member directly, a proxy response is accepted.

- 1a. *IS [NAME] ANSWERING FOR HIMSELF/HERSELF? DO NOT read out the question. Select YES if you are interviewing MEMBER him/herself and NO if the information is being provided in proxy. NOTE, it is preferable for MEMBERS to respond to the questions in this section by themselves, so a proxy should be used only when all attempts to interview MEMBER is unsuccessful.*
- 1b. *WHO IN THE HOUSEHOLD IS RESPONDING FOR [NAME]? DO NOT read out the question. If response is given by proxy, select the respondent who is answering on behalf of MEMBER. MEMBER is filtered off the list of answer options.*
2. *Some people like to keep their money in an account in financial institutions (such as banks or microfinance institutions). Does [NAME] have an account in any financial institution? Select YES if MEMBER has a bank account with ANY BANK OR MICROFINANCE INSTITUTION in the country. Only consider if MEMBER is registered as one of the account holders. Do NOT consider if MEMBER only has access to someone else's account. Select YES if MEMBER is one of the registered holders of a shared account. If No, move to Q4.*
3. *In which financial institution of the following, do you have an account? Select the financial institution(s) in which MEMBER has at least one account. Select all applicable options.*
4. *Does [NAME] personally have access to mobile money? EXAMPLES: Opay, Palmpay, PAGA. Select YES if MEMBER has access to a mobile money account. For access to mobile money, we will understand only owning an account.*
5. *Is there someone who lets [NAME] cash cheques, transfer funds, or do other banking transactions using their account? Select YES if there is someone within or outside the household, who allows MEMBER use their account to cash cheques, transfer funds, or do other banking transactions.*
6. *In the LAST 12 MONTHS, has [NAME] personally saved or set aside money using a commercial bank, a credit union, savings and credit cooperative, micro-finance institution or any other formal or semi-formal institution? Example of semi-formal institutions include cooperative societies. Select YES if MEMBER has paid money to/deposited money with any FORMAL OR SEMI-FORMAL institution in LAST 12 MONTHS, including commercial banks, cooperative societies, savings associations, or micro-finance institutions,*

even if the money has been withdrawn already. Select NO if MEMBER has accounts with a formal or semi-formal institution but has not paid/deposited any money in the past 12 months.

7. *In the LAST 12 MONTHS, has [NAME] personally saved or set aside money by using any informal savings clubs or a person outside the household? EXAMPLE: SAVINGS FOR CHRISTMAS, VACATIONS, ETC. Select YES if MEMBER has paid/deposited/contributed money to an informal savings group such as Adashi/Esusu/Ajo, or saved money with a person outside the household in the LAST 12 MONTHS. Select NO if MEMBER is part of an informal saving organisation but has not saved any money with them in the past 12 months; if MEMBER has saved/paid/contributed in the past, but not in the past 12 months.*
16. *At any point in the past 12 months, has any household member been covered by any insurance (e.g. life, health), even if not paid for by themselves, or has any property been covered by any insurance (household goods, house, vehicle and the like)? This question is asked at the household level. Select YES if ANY MEMBER or PROPERTY has been covered by ANY type of insurance, including health, death, household goods, house, vehicle, etc*
- 17a. *What types of insurance has a member of this household had in the past 12 months? Select ALL types of insurance coverage received by any MEMBER of the household. PROBE & SELECT ALL THAT APPLY,*
- 17b. *Which household members have been covered by health insurance at any point in the past 12 months? Select names of household members who were covered by health insurance at any point in the past 12 months. **Note:** we are not asking for those who pay or contribute towards the health insurance. Select names of members who benefited from health insurance owned by another household member.*
- 17c. *If any MEMBER was covered by life insurance, indicate which MEMBER(S) were covered. Life insurance provides a cash sum to loved ones if the person dies during the length of the policy.*

SECTION 5B: ICT-BANKING

Description: This section asks about mobile phone and internet usage of household members that are 10 years or older.

Respondent: Household members should answer for themselves. For children under 12, the parents or adult member of the household should answer on their behalf.

Instructions: For each member you interview, ask this section directly after Section 4A Savings & Insurance. If some household members are absent, proceed with the interview for all those present and make the necessary arrangements to call back and continue the interview with absent members after ascertaining the appropriate time that they would be available. Only if it is not possible to interview a member directly, should a proxy response be accepted.

8. *Does [NAME] have access to a mobile phone? Select YES if MEMBER can use a mobile phone if he/she needs to, even if this mobile phone belongs to somebody else. It does not matter if the mobile phone is a smart phone or not. If No, move to Q14.*
- 8a. *What type of mobile phone does [NAME] have access to? Select type of mobile phone that MEMBER has access to. READ OUT OPTIONS.*
9. *If [NAME] wanted to make a phone call, **whose** mobile phone would [NAME] use? Select the MAIN source of access of mobile, i.e. the mobile phone that MEMBER uses or would use if they needed to do a phone*

call. Select OWN if MEMBER owns a mobile phone, even if he/she might use someone else's mobile phone more. Select PAID FOR USE if MEMBER uses/would use the mobile phone of somebody else for payment, e.g. of a street vender. DO NOT READ OPTIONS.

14. *Does [NAME] have access to the internet?* Select if MEMBER can use the internet if he/she needs to. This INCLUDES internet on any phone or any other mobile device as well as laptops or desktop computers, even if the device or internet connection belongs to somebody else. If No, continue to next person.
15. *If [NAME] wanted to use the internet, how would [NAME] mainly access it?* Select the MAIN source of internet access, i.e., how MEMBER would access the internet if s/he needed. **Note:** that we are not asking about the type of device, but to whom the device/and or connection belongs. Select CYBER CAFÉ for any type of place that lets you use computers and get online for payment.

SECTION 5C – CREDIT

Description: This section asks about the indebtedness status of the entire household (not individual members) in the last 12 months. Information is also collected about use of loan and credits, as well as the ability of the household to repay loan when their scheduled payment is due.

Respondent: The household head or a knowledgeable adult member

1. *In the last 12 months, have you or anyone else in the household attempted to borrow money or applied for or received a loan from sources such as banks, cooperative societies, savings associations, micro-finance institutions, money lenders etc?* Select YES if ANY member of the household has attempted to borrow money or applied for a loan from any source (banks, cooperative societies, savings associations, micro-finance institutions, money lenders, family, friends etc.) in the LAST 12 MONTHS, independent of whether the loan application was refused/denied, or the pay-out and repayment status.

DO NOT consider loans that were applied for PRIOR TO 12 MONTHS ago but were still repaid in the past 12 months. Consider loan applications at formal institutions and businesses, as well as borrowing money from family, friends, or other individuals. *EXAMPLE: Select YES if 2 months ago, the spouse of the respondent unsuccessfully asked his family to borrow money.*

2. *What are the names of the persons or institutions from whom you or anyone else in your household attempted to borrow money or applied for a loan over the past 12 months?* Make a list of ALL the persons and institutions from whom members of the household borrowed money or attempted to borrow money for the loan. INCLUDE ALL LOANS APPLIED FOR EVEN IF THEY WERE REJECTED.

If members applied for/borrowed from the same institution more than once in the past 12 months, list each loan on a separate row. Use loan names that make it clear for the respondent about which loan you are asking questions. LIST all loans FIRST, before continuing with the details of each loan. DO NOT READ OUT THE OPTIONS, but probe and select the applicable response. FAMILIARIZE YOURSELF WITH THE DEFINITIONS BELOW. Be careful to correctly categorize loan sources into the appropriate category as defined below.

EXAMPLE: If in the last 12 months, Tunde tried to get a loan from a bank but was refused, and then borrowed from a money lender, and Dayo borrowed from the neighbours some 2 years ago but is still repaying, you should list the bank (applied in last 12 months, unsuccessful), the money lender (applied in last 12 months, successful), but not the neighbours (applied before 12 months ago).

LOAN PROVIDER	DEFINITION
COMMERCIAL/RETAIL BANK	A for-profit financial institution that is licensed to offers all basic financial products and services to the general public including individuals, corporations, institutions, and governments. It accepts deposits from customers, allows for cash withdrawals and grants loans.
SAVINGS CLUB/ASSOCIATION	Is a scheme that allows people to save as much and as often as they like usually towards a specific future expense e.g. Christmas savings clubs. Some allow shoppers to make payments for goods and services in instalment throughout the year instead of all at once.
ROSCA/ASUSU/ESUSU/ ADASHE/AJO /ASCA	Rotating Savings and Credit Association/ Accumulated Savings and Credit Associations (both are known as ASUSU/ESUSU, ADASHE & AJO). Informal association where groups of people come together for a specified period of time to save and borrow together.
EMPLOYEE/UNION WELFARE FUND	A fund established by an employer or union, and funded primarily by employer contributions, from which benefit payments are made to employees in time of sickness, disability, unemployment, or another specified event.
SAVINGS AND CREDIT COOPERATIVE ORGANIZATION (SACCO)	Also called Co-operative or Credit Union). A duly registered financial organization, owned and operated by and for its members, that generally provide services similar to retail banks, including deposit accounts, credit, and other financial services. Members are group of people who share a common bond (e.g., work for the same employer, live in the same community, work in the same trade/industry such as Farmers' groups). They put their savings together and also make mandatory minimum monthly savings contribution. The pooled savings is used to provide loans to members at reasonable interest rates compared to other banks.
MICROFINANCE BANK/INSTITUTION (DEPOSIT-TAKING)	A financial institution officially licensed by CBN to engage in microfinance business. They can take deposits (savings) from general public, provide financial services (such as small loans, insurance, domestic money transfer etc.) and non-financial services to microfinance clients who would otherwise have no access to finance such as low-income earners, the un-banked and persons operating in the informal sector.
BURIAL SOCIETIES	A not-for profit friendly society where members contribute a monthly fee to cover the cost of funeral in the event of the death of a member or the dependent of a member.
VILLAGE SAVINGS AND LOAN ASSOCIATIONS (VSLAS)	Self-managed community-based savings groups in remote rural areas and urban slums that provide their members access to basic financial services such as savings, insurance and credit. Members meet regularly (usually weekly or fortnightly) to save and if desired, borrow small loans for short periods with interests. At the end of every annual cycle, all savings, loan profits and fines are distributed back to members in proportion to their savings.
NEOBANKS (100% DIGITAL BANKS) / MOBILE NETWORK OPERATORS (MNO) / MOBILE MONEY OPERATOR/AGENT	Neobanks - Fintech companies that offer basic banking services strictly online, via mobile apps, or online banking. Neobanks are just like normal banks except that they are 100 percent digital. They are usually not associated with any traditional bank and have no physical branches (e.g., Kuda Bank, Vbank, Fair Money, Wise Transfer Wise, Kredi Bank). MNO - A telecommunications service provider organization that develops and deploys financial services through mobile phones networks and apps. (e.g., MTN MoMo, Airtel's Smartcash). Mobile Money Operator/Agent - A financial institution that is a licensed mobile money service provider, they develop and deploys innovative financial products/services through mobile phones networks and apps. Some of these companies have various retail outlets operated by agents that allow users to carry out different types of transactions for a fee without necessarily visiting banking halls. (e.g., Paga Mobile, Kudi Mobile, Palm Pay, Okash/Opay).
LOCAL/VILLAGE MONEY LENDER	An unlicensed and unregistered money lender who provides loans with interest and is not affiliated with any formal or semi-formal system.
WOMEN GROUP/ ASSOCIATION	A group of women who meet regularly, usually to have discussions, organize advocacy campaigns, or for recreational activities. The overarching goal of these groups is to empower women and promote their livelihoods and self-reliance.

VENDOR/HIRE PURCHASE	If a vendor offer credit when providing goods or services.
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LOANS

Asked for each LOAN listed in Q2a. Answer one sub section at a time. The questions are phrased for loan applications from banks, etc. If LOAN was borrowed from individuals you should rephrase the question text a bit, e.g. instead of saying “for applying for the loan” say “asked to borrow money”.

3. *Which household member(s) applied for the loan from [LENDER TYPE]? Select the household member(s) who borrowed/applied for the LOAN, i.e., in whose name the loan application was and who is responsible for repaying it. Probe & select all that apply from the HH roster.*
4. *What was the main reason for applying for the loan from [LENDER TYPE]? Select the MAIN reason why the household applied for the loan initially, even if the money was then spent on something else. DO NOT READ OPTIONS.*
5. *How much was requested under the loan from [LENDER TYPE]? Record IN NAIRA the amount that was REQUESTED/ASKED FOR. Note that this may be different to the amount the HH actually received.*
6. *What is the status of the loan from [LENDER TYPE]? Select LOAN APPROVED AND RECEIVED if the borrowing attempt/application was successful and the HH has already received the money (also if they have already spent it or repaid it); LOAN APPROVED AND PENDING DISBURSEMENT if the HH was already told that they will receive the loan, but have not received it yet; LOAN NOT APPROVED/GIVEN if the HH has already been told that they will not receive the loan; and AWAITING DECISION ON APPLICATION if the HH has not yet heard back if they will receive the loan or not. If the HH is awaiting decision on application, please move to the next loan or the next section (if no other loan is registered).*
7. *After submitting the application for the loan from [LENDER TYPE], how long did it take for your household to hear back about the outcome? Record the time it took for the HH to hear if they will receive the loan or not after they applied/asked to borrow money and select the TIME UNIT in 7b. Record 0 if it was IMMEDIATE, i.e., on the same day.*
9. *What were the reasons why your loan application to [LENDER TYPE] was refused? Only asked if loan was not approved/given (Q6=4). If the loan application was REFUSED, select the reasons the HH was told why the loan application was refused. If they were not told any reasons ask the reasons the respondent THINKS. Do NOT lead the respondent or select on their behalf. Select DON'T KNOW if they do not know why the loan application was refused. Select in ORDER OF IMPORTANCE, i.e., the most important reason first, followed by the second, etc.*
11. *How long did it take for your household to receive the loan from [LENDER TYPE] after the loan was approved? Only applicable for loans that were approved and received (Q6=1) Record the time it took for the HH to receive the money after they submitted all documentation required for the loan and select the TIME UNIT (Days, Weeks, Months). Record 0 if it was IMMEDIATE, i.e. on the same day. If no documentation was needed or submitted, record the time from the application.*
12. *How much was received under the loan from [LENDER TYPE]? Record IN NAIRA the amount that was RECEIVED. Note that this may be different to the amount the HH requested or asked for. This amount is sometimes called principal.*

13. *Was the amount received from [LENDER TYPE] sufficient to cover the main purpose for applying for the loan [GIVEN IN Q4]?* Select YES if the amount received was sufficient to pay for the main reason the loan was taken. Also select YES if the loan has not yet been spent but will be sufficient to pay.
14. *When did your household receive the loan from [LENDER TYPE]?* Select the month and record the year in which the money was RECEIVED. The answer options list the past 12 months based on the interview start date.
15. *Has the loan from [LENDER TYPE] already been fully repaid?* Select YES if the loan has been FULLY repaid. This includes the amount borrowed (principal) and any interests. If No, move to Q18.
16. *In which month did your household make the final payment on the loan from [LENDER TYPE]?* Select the month and record the year when the HH made the final loan payment. Ask the respondents to estimate if they do not know.
17. *At completion of repayment of the loan from [LENDER], what was the total amount your household repaid?* Record IN NAIRA the total amount that the household repaid on the loan. This includes the PRINCIPAL (how much was borrowed) plus the INTEREST (additional charge on the principal by the lender). The interviewer should help the respondent estimate this total cost. There might be instances where the respondent will quote the interest in percentages. In this case, the interviewer should calculate the percent value of the interest and add to the principal to give the total repayment amount. *EXAMPLE:* if the household borrowed 2000 Naira from NBS cooperative at 20 percent interest, then the total repayment amount is $2000 + (0.2 \times 2000) = 2400$. This includes the amount borrowed (PRINCIPAL) and the INTEREST on the loan. Continue to next loan, or if no more loans move to next section.
18. *Approximately when does your household expect to make the final payment on the loan from [LENDER TYPE]?* Only asked if loan has not been fully repaid (Q9=NO). Select the month and record the year when the HH expects to repay the loan. Ask the respondents to estimate if they do not know. This should be according to the terms of the loan(s) and not when the household wants to make the final payment. Select the applicable response.
19. *At completion of repayment of the loan from [LENDER TYPE], what is the total amount you expect to repay?* Record IN NAIRA the total amount that the household expects to repay on the loan at completion of repayment. This includes the amount borrowed (PRINCIPAL) plus the INTEREST on the loan. HELP RESPONDENT ESTIMATE (See Q15). Continue to next loan, or if no more loans move to next section.
20. *How worried are you that your household will not be able to repay the loan from [LENDER TYPE]?* This question is asked for the loans that have not fully repaid any loan received in the past 12 months (Q9=NO). You want to know the extent to which the respondent is concerned about their household's inability to repay the loan. Note that this is a Likert scale question, it is important to READ OUT ALL THE OPTIONS and select the most appropriate response.
21. *In the last 12 months, have you or any member of your household missed a payment or stopped paying the loan from [LENDER TYPE] due to lack of money?* This question is asked only to those who have not fully repaid the loan received in the past 12 months (Q9=NO). Select YES if in the last 12 months, the respondent or any member of their household has missed a scheduled loan repayment or stopped paying their loans due to lack of money. If No, move to next section.
22. *What was the main reason why the household did not have enough money to repay the loan from [LENDER TYPE]?* This question is asked to only those that have missed a loan payment or stopped paying the loan in the last 12 months due to lack of money (Q22=YES). Ask for the main reason why the household did not have enough money to repay the loan in the last 12 months. DO NOT READ OUT THE OPTIONS, select the applicable response.

QUESTION 23-24: is asked to households that made no borrowing attempt in the last 12 months (Q1=NO).

- 16 *Did your household have need of a loan in the last 12 months?* For those that responded NO in Q1, ask if the household NEEDED a loan in the last 12 months. Select YES if the household needed a loan in the last 12 months. DO NOT REWORD the question and ask if the household received a loan. DO NOT READ OPTIONS. PROBE & SELECT ALL THAT APPLY IN ORDER OF IMPORTANCE.
- 17 *Why did your household not attempt to borrow in the last 12 months?* This question is asked only to those who needed a loan in the last 12 months but did not attempt to borrow or apply for a loan in the last 12 months (Q1=NO and Q2=YES). Ask for the reason(s) why the household did not attempt to borrow in the last 12 months even though they needed a loan. DO NOT READ OPTIONS. PROBE & SELECT ALL THAT APPLY IN ORDER OF IMPORTANCE.

SECTION 6A: MEALS AWAY FROM HOME

Description: This section asks about the expenditures on all the meals, food stuffs and drinks that were prepared outside the household, bought by household members in the past 7 days, and usually consumed outside or inside the home.

Respondent: Most knowledgeable adult member of the household.

1. *In the past 7 days, did members of this household consume any of the following meals or drinks away from home, or as take away food?*

Read out the question text and the answer options one by one, recording for each option if ANY household member has consumed the meal or drink away from home in the **PAST 7 DAYS**. Answer this question for all items FIRST before answering the details in the MEALS AWAY screen. MAKE SURE to not skip items. Select a YES or NO for each option.

Consider ANY meal or drink that was produced outside the household and bought by a household member or given for free, even if the meal or drink was consumed back home in the household (e.g. take away food). Make sure to INCLUDE meals or drinks consumed in eateries, restaurants, canteens (e.g. Mama put, Bukatarian, Canteen) and meals and drinks to which household members have been invited to. Do NOT consider food that was prepared in the household and then consumed elsewhere outside the household.

The first three answer options refer to FULL MEALS consumed (e.g. rice and stew, pounded yam and egusi, tuwo, garri and draw soup, etc) and depend on the hour of the day consumed: breakfast in the morning, lunch in the early afternoon and dinner in the evening or at night. If no entire meal was consumed, consider it under the other options.

MAKE SURE the respondent understands it is for ALL household members. There is a tendency for respondents to only think about the items they have consumed. Respondent may need to check with other members of the household to confirm if they consumed foods, snacks or drinks purchased outside the household.

2. *How much did you or other household members pay in total in the last 7 days for [ITEM] consumed away from home or as take away food? If received for free, please estimate what it would have cost if you had to pay.*

Record the TOTAL amount spent by ALL household members on the meal or drink category in the **PAST 7 DAYS**. If the meal or drink was for free, ask the respondent to estimate how much such a meal or drink would have cost in a normal place.

Do NOT DOUBLE COUNT amounts for meal or drink consumed, e.g. if you are not sure if a few snacks bought constitute a full meal, record the expenses ONCE in the more appropriate meal or drink category.

Give the respondent enough TIME to identify the individual meals and remember or estimate the price. HELP the respondent if needed, to come up with the total amount, by first identifying which household members consumed the meal, how many times in the past 7 days and then get the respective costs. Take notes of the individual cost on your notepad or calculator, sum them up and record the total.

EXAMPLE: In the past 7 days, Mr. Lawal ate lunch at his office twice which cost ₦550 each time (consider). The rest of the week he brought lunch from home to eat at work (do not consider). Mrs. Lawal ate lunch at her parents place once (consider as not prepared in household, estimated to would have cost her ₦400 in an eatery), and bought Akara and Pap for breakfast for the family which cost her ₦500 and which they ate back home (consider as produced outside the household). The totals are: lunch: $2 \times \cancel{\text{₦550}} + \cancel{\text{₦400}} = \text{₦1,500}$; breakfast: ₦500

SECTION 6B1: FOOD EXPENDITURES (PART 1)

Description: This section asks about the household's consumption on various food items in the past 7 days. The food items are organized by food categories.

Respondent: Adult household member responsible for food preparations or food purchases made by the household in the past 7 days.

Instructions: Answer questions from the top to the bottom, making sure that an answer has been recorded for all food items. Proceed to Section 6B2 ONLY WHEN all questions have been answered and the section turned green. MAKE SURE the respondent does NOT see the screen of the tablet, so they cannot see how many questions are left.

1. *Within the past 7 days, did any members of your household eat/drink any of this [ITEM] within the household?*

Items consumed within the household means food items, meals, drinks, snacks that have been prepared or cooked within the household or taken from the household's food supply. These items can be consumed outside the household's dwelling.

For each question, read out the question text and the answer options one by one, recording for each option if ANY household member ate or drank the food item in the **PAST 7 DAYS WITHIN THE HOUSEHOLD**. Answer all questions in this section FIRST, before moving to the next section. MAKE SURE to not skip questions or answer options.

DO NOT consider meals or drinks that were consumed by household members OUTSIDE the household (they should have been recorded in section 6A Meals Away from home), UNLESS they were cooked/prepared inside the household and taken outside to be consumed elsewhere (e.g. lunch/snack brought from the household to work).

SECTION 6B2: FOOD EXPENDITURES (PART 2)

Description: This section is a continuation of the previous section 6B1. It asks details about the household's consumption and expenditure on ALL the food items selected in 6B1. The food items are organized by food categories.

Respondent: Adult household member responsible for food preparations or food purchases made by the household in the past 7 days.

Instructions: ONLY answer once 6B1 has been completed. Answer questions from the top to the bottom. This section is typically very repetitive and tiring to the respondent. ENGAGE the respondent.

FOOD CATEGORIES

One sub-section for every food item selected in 6B1.

2. *In total, what was the quantity of [ITEM] your household consumed in the past 7 days?*

Record the QUANTITY of ITEM that members of the household CONSUMED in the **PAST 7 DAYS**. Record the QUANTITY in **2a**, and select the corresponding UNIT in **2b**, e.g. if the household consumed 3 KG of rice, record 3 in **2a**, and select KG in **2b**. Select the applicable SIZE in **2c**. Sense check that the quantity unit combination makes sense and are in the area of the possible food consumption given the household size, probe with the respondent if necessary. For example, if the respondent in a household of 5 members tells you that they have eaten 30kg of rice (which is very unlikely), double check with them if unit and quantity are correct.

Do NOT include meals or drinks that were consumed by household members OUTSIDE the household (they should have been recorded in section 6A Meals Away from Household), UNLESS they were cooked/prepared inside the household and taken outside to be consumed elsewhere (e.g. lunch/snack brought from the household to work).

The list of units is FILTERED and depends on the ITEM. If the respondent uses a unit that is not listed, select OTHER (SPECIFY) and record the details.

CONVERT millilitres to LITRES or CENTILITRES. 1L=100CL=1000ML. *EXAMPLE: 500ml is 50cl, 710ml is 71cl, 325ml is 32.5cl.*

When recording from SACHETS, TINS, PACKETS etc., use the SAME unit as it appears on the package, e.g. Bournvita 450g, butter 250g, etc. Do NOT record sachet, tins, packets as other unit.

Do NOT confuse KILOGRAMS and GRAMS. 1000 GRAMS=1 KILOGRAM. *EXAMPLE 0.900G is different from 0.900KG (900G) and is incorrect.*

NOTE: For some units such as a HEAP or CONGO you will be asked to specify the size of the unit. Show the pictures in the reference booklet to the respondent to find out what size of the unit they have consumed.

3.-5. Record how much of the ITEM that the household consumed in the **PAST 7 DAYS** came from purchase, own production and gift. Record the quantity in the SAME unit as the unit selected in **2b**. The total quantity of all 3 sources must NOT EXCEED the total quantity consumed. If the total exceeds the quantity consumed, double check with the respondent ALL sources. Do NOT just correct the last or the largest source. Write 0 if ITEM consumed did not come from one of the sources. NOTE, the household may have OBTAINED ITEM EARLIER THAN 7 days ago but only consumed (part of) it in the past 7 days.

3. *How much of the [QUANTITY, UNIT, SIZE IN Q2] of [ITEM] consumed by your household came from purchases?* FROM PURCHASE: Record quantity of ITEM consumed that was purchased for cash or in-kind. The PURCHASE could have taken place IN THE PAST 7 DAYS OR BEFORE. UNIT AND SIZE SHOULD BE THE SAME AS IN Q2.
4. *How much of the [QUANTITY, UNIT, SIZE IN Q2] of [ITEM] consumed by your household came from own production?* FROM OWN PRODUCTION: The quantity of ITEM consumed that came from plants cultivated on land rented, owned or sharecropped by members of this household, or from animals owned by members of the household. UNIT AND SIZE SHOULD BE THE SAME AS IN Q2.
5. *How much of the [QUANTITY, UNIT, SIZE IN Q2] of [ITEM] consumed by your household came from gifts or any other source?* GIFTS AND OTHER SOURCES: The quantity of ITEM consumed that the household received for free or from any other source. UNIT AND SIZE SHOULD BE THE SAME AS IN Q2.

The reference period that is relevant in this question, is that the food was CONSUMED within the last 7 days, regardless of when the ITEM was bought / gifted /harvested etc. EXCLUDE FOOD TAKEN OUTSIDE THE HOUSEHOLD.

6. *Did your household purchase any [ITEM] in the past 30 days?* Record whether the household purchased any of ITEM in the **PAST 30 DAYS**. Note that the recall period is different here from the previous questions in this section.
7. *The most recent time your household purchased [ITEM], how much QUANTITY did your household purchase?* Record the QUANTITY of ITEM that members of the household PURCHASED in the **MOST RECENT PURCHASE IN THE PAST 30 DAYS**. If the household purchased the ITEM two weeks ago and then also purchased the ITEM yesterday, you will only record information on the purchase made yesterday in this case. Record the QUANTITY in Q7a, and select the corresponding UNIT in Q7b, e.g. if the household purchased 3 KG of rice, record 3 in Q7a, and select KG in Q7b. Sense check that the quantity unit combination makes sense and is in the area of the possible, probe with the respondent if necessary.

NOTE that the quantity of ITEM PURCHASED in the past 30 days is INDEPENDENT of the quantity of ITEM CONSUMED in the past 7 days (Q2a.) and the quantity consumed that came from purchase (Q5). The quantity purchased in the past 30 days may be 0 (e.g. if the household had purchased it before 30 days ago) or may be larger than the quantity consumed (e.g. if the household shopped in bulk).

The list of units is FILTERED and depends on the ITEM. If the respondent uses a unit that is not listed, select OTHER (SPECIFY) and record the details.

NOTE: For some units such as a heap or a Congo you will be asked to specify the size of the unit. Show the pictures in the reference booklet to the respondent to find out what size of the unit they have consumed.

8. *How much did your household spend on the [QUANTITY UNIT SIZE IN Q7] of [ITEM] purchased most recently?*

Record the TOTAL amount in NAIRA spent on ITEM purchased in the MOST RECENT PURCHASE IN THE **PAST 30 DAYS** (Q7A/7B).

SECTION 6C: AGGREGATE FOOD CONSUMPTION

This section is on food consumption of household members only, which intends to ask HOW MANY DAYS IN THE PAST 7 DAYS the different groups of food items were consumed. This should include consumption both inside and outside the home.

8. *Over the past 7 days, how many days did you or others in your household consume any [...]?* IF NOT CONSUMED, RECORD 0. This question captures the number of days the particular food group was consumed both inside and outside the home, by all household members during the past 7 days.
Record '0' (zero) if none of the food group items were consumed.
9. *Over the past 7 days, did you share any meals with any person(s) that is not a member of this household?*
Select Yes if household shared any meals with a non-household member in the past 7 days.

SECTION 7: NON-FOOD EXPENDITURES

Description: This section asks about the household expenditures on non-food items. The section is divided into three sub-sections, each with a different reference period. Items that are purchased very frequently are asked with a 7-day reference period, items that are purchased regularly with a 30-day reference period, and items that are more infrequently purchased with a 12-month reference period.

Respondent: Adult household member responsible for purchases.

1. *Over the past 7 days, did your household purchase any [ITEM]?*
3. *Over the past 30 days, did your household purchase or pay for any [ITEM]?*
5. *Over the past 12 months, did your household purchase or pay for any [ITEM]?*
- 1./3./5. For each question, read out the question text and the answer options one by one, recording for each option if ANY household member purchased or pay for ITEM in the respective REFERENCE PERIOD. For each subsection, answer all answer options FIRST before moving to the detail subsections below the question. MAKE SURE to not skip answer options. MAKE SURE the respondent understands the CORRECT reference period for each question, which varies from **PAST 7 DAYS**, **PAST 30 DAYS**, and **PAST 12 MONTHS**.

Consider ITEMS that were bought or paid for during the reference period, even if they were received before the reference period or have not been received yet at the time of the interview.
2. *In total, how much did your household spend on [ITEM] in the past 7 days?*
4. *In total, how much did your household spend on [ITEM] in the past 30 days?*
6. *In total, how much did your household spend on [ITEM] in the past 12 months?*
- 2./4./6. For each ITEM any household member bought or paid for in the reference period, record the TOTAL amount in NAIRA spent on ITEM during the reference period. NO DECIMALS are allowed, round up or down to reach an integer amount in Naira, e.g. if an item cost ₦1,500.40 record ₦1,500.

SECTION 8: PETROL SUBSIDY, AWARENESS AND SUPPORT

Description: This module captures information on the households' experience of buying petrol over the past 30 days, including (how much was purchased, at what cost, issues faced when purchasing petrol, and reasons for purchasing it). The last four questions of the module measure the respondent's awareness of the government petrol subsidy program and support for its reform.

Respondent: Head of the household or a knowledgeable adult household member.

1. *INDICATE THE MAIN RESPONDENT FOR THIS SECTION. Select the household member that is responding to the questions for this section from the household roster.*
2. *Has your household bought petrol in the last 12 months (including today)?* Select YES, if any MEMBER has purchased petrol within the past 12 months.
3. *When was the last time someone in your household bought petrol?* Select from the list of options the best description for the respondent's answer.
IN THE PAST 7 DAYS, INCLUDING TODAY: petrol was last purchased in the last one week
IN THE PAST 30 DAYS, BUT MORE THAN 7 DAYS AGO: petrol was last purchased more than 7 days ago, but less than 30 days
MORE THAN 30 DAYS AGO: petrol was last purchased more than a month ago
4. *In the past 30 days (including today), for what purposes did your household buy petrol?* Select the options that best describe the reason the household purchased petrol. Select all that apply. Select OTHER and record any other reasons the household had for purchasing petrol.
5. *The last time your household bought PMS/Petrol how many litres were purchased?* If the respondent is unable to tell you the quantity because the purchase was based on a Naira value, ask if the container that was used to buy the petrol can be shown to you. If the container is shown ask how much of it was filled with petrol and make your determination based on the container volume and the information provided.
6. *The last time your household bought Petrol, what was the total amount paid?* Record the Naira amount that was spent in purchasing the petrol the last time the household purchased some.
7. *Have you or anyone else in your household encountered any of the following difficulties when buying petrol in the past 30 days (including today)?* READ OUT the options and select either YES or NO for each option. Probe for other difficulties that the household may have encountered and record under OTHER.
Having to pay extra at the filling station to get petrol in a gallon – When a household wants to get petrol in a jerry can or a container, they may need to pay extra at the filling station compared to getting petrol by filling cars or motorbikes.
Having to travel extra distance to get petrol – Here we're interested in whether the household had to travel farther than their usual place of purchase. It does not refer to whether the filling station they usually go to is far or not.
- 7a. *Have you or anyone else in your household had to pay more than the official price when buying petrol in the past 30 days (including today)?* When buying petrol, customers must sometimes pay above the official price. In some cases, customers know this official price either because they are buying at the station where the price is listed, or because they are informed about the government enforced official price. Yet in many instances respondents will not know the official price. It is important to neither probe and nor mention what the official price is. Instead, please let the respondent report his or her answer, even if he or she replies that he or she does not know the official price.

- 8a. *Are you aware that the government of Nigeria used to purchase petrol from oil companies, distribute and sell it at a lower price to retail petrol/filling stations, which was called the fuel/PMS subsidies?* Select YES, if the respondent is aware of petrol/fuel subsidies.
- 8b. *Are you aware that these subsidies were stopped at the end of May 2023?* This question is activated for a YES response to Q8a. Select the appropriate response.
9. *In your opinion, do you think that it is a good thing that the Government of Nigeria stopped these fuel/PMS subsidies at the end of May 2023?* Select YES, if the respondent agrees, NO if the respondent disagrees.
10. *What is the main reason why you think it was a good thing that the Government of Nigeria stopped the fuel/PMS subsidies at the end of May 2023?* This opens to a YES response in Q9. DO NOT READ options. Select the reason that best describes respondent's answer. The section ends after this question.
11. *What is the main reason why you think it was not a good thing that the Government of Nigeria stopped the fuel/PMS subsidies at the end of May 2023?* This opens to a NO response in Q9. DO NOT READ options. Select the reason that best describes respondent's answer.

SECTION 9: FOOD SECURITY

Description: This section assesses the household's food security situation during the **30 days** prior to the day of interview. More broadly it is meant to capture how well the household can fulfil its food needs.

Instruction: This section is SUBJECTIVE and therefore you MUST rely on the responses provided by the RESPONDENT. You must never question a response provided by a respondent in this section, even if from the surroundings and other questions you think their response is inconsistent.

HOWEVER, look out for logical inconsistencies in the respondent's response that may result from miscomprehension, and probe further as needed. For example, a respondent said they never skipped a meal in the last 30 days because of lack of money/resources (Q1D=No). They also said they went without eating for a whole day because of lack of money/resources (Q1H=Yes). These two responses are inconsistent, if they went without eating for a whole day that means they skipped a meal, so Q1D should be Yes. In such cases probe further to clarify that the respondent fully understood the question.

ALL Select YES if the statement of the question was true AT LEAST ONCE in the **PAST 30 DAYS**, for ANY household member. Note that the event did not have to happen regularly, just once is enough, e.g. if a household skipped only one meal in the past 30 days, select YES for Q1D.

The questions ask if the household reduced/changed their food intake BECAUSE OF LACK OF MONEY OR OTHER RESOURCES. DO NOT consider reduced/changed food intakes because of religious (e.g. fasting), medical, or any other reasons. Having forgotten to bring money e.g. to work and not being able to buy the normal lunch is NOT considered a lack of money.

Respondent: Senior female or member most knowledgeable about food consumption.

1. *Now I would like to ask you some questions about your household's food consumption in the last 30 days. During the last 30 days, was there a time when:*

- 1a. *You or any other adult in your household worried about not having enough food to eat because of a lack of money or other resources?"*

This question refers to a **state of being worried, anxious, apprehensive, afraid, or concerned** that there might not be enough food or that the household would run out of food because there was not enough money or other resources to get food. The worry or anxiety could be due to circumstances affecting their ability to obtain food, such as loss of employment or other source of income, or other reasons such as a poor harvest, disrupted social relationships, loss of customary benefits or food assistance, or environmental or political crises.

It is not necessary for the household to have actually run out of food to answer affirmatively to this question. Just the concern and the consequent possible coping strategies are manifestations of food insecurity, even in cases when the actual food consumption is not compromised.

- 1b. *You or any other adult in your household were unable to eat healthy and nutritious food because of lack of money or other resources?*

This question asks the respondent whether the household was not able to get foods they considered healthy or those that make a **nutritious or balanced** diet because there was not enough money or other resources to get food. The answer depends on the respondent's own **opinion** of what are healthy and nutritious foods. In general, healthy and nutritious diets are diets including foods from the different food groups (carbohydrates, protein, fats & oils, and fruits & vegetables). This question refers to the **quality** of the diet and **not quantity** of foods eaten.

- 1c. *You or any other adult in your household ate only a few kinds of foods because of lack of money or other resources?*

This question asks if the household had a diet with a limited variety of foods or whether they had to eat the same foods or just a few kinds of foods every day because there was not enough money or other resources to get food. The implication is that the **diversity** of foods consumed would likely increase if the household had better access to food. This question refers to **variety** of the diet and **not quantity** eaten. It is important to stress the link to lack of money, to identify conditions of food insecurity, rather than customary habits to limit the variety of foods eaten for other reasons, such as health or religion.

- 1d. *You or any other adult in your household had to skip a meal because of lack of money or other resources?*

This question asks about the experience of having to **miss or skip** a meal that would normally have been eaten because there was not enough money or other resources to get food. In some languages, no single term means "meal" or expresses "skip a meal." Therefore, ask if food was skipped in the morning, afternoon, or evening, depending on the interval that the community usually takes meals. This question refers to **insufficient quantity of food as a result of reduction in the frequency of food consumption in a day**.

- 1e. *You or any other adult in your household ate less than you thought he/she should because of lack of money or other resources?*

This question asks about eating less than what the respondent thought should be eaten, even if a meal was not entirely skipped, because the household did not have money or other resources to get food.

Therefore, eating **less** than expected could be maintaining the same frequency of meals but cutting down on portion size, and thus eating less. For example, following the harvest, households may take three meals a day, but during the lean season, the frequency may decrease to one to two meals a day, and when the crops fail, the number of meals is further reduced to one meal a day. The answer depends on the respondent's **own opinion or perception** of how much they think they should be eating. This question

refers to the **quantity** of foods eaten and not the **quality** of the diet. This question does not refer to special diets to lose weight or for health or for religious reasons.

- 1f. *Your household ran out of food because of lack of money or other resources?*

This question refers to any experiences when there was actually no food left in the household altogether i.e. food in the household was completely finished, because they did not have money or other ways to get food, such as the household's own production of food or bartering to get food.

- 1g. *You or any other adult in your household were hungry but did not eat because there was not enough money or other resources food?*

This question asks about the physical experience of **feeling hungry**, and specifically, feeling hungry and not being able to eat enough because of a lack of money or resources to get enough food. It does not refer to dieting to lose weight or fasting for health or religious reasons.

- 1h. *You or any other adult in your household went without eating for a whole day because of lack of money or other resources?*

This question asks about a specific behavior—**not eating anything all day**—because of a lack of money and other resources to get food. It does not mean dieting to lose weight or fasting for health or religious reasons.

- 2a. *Normally, how many meals, including breakfast are usually taken per day in your household by adults 15 years and older? Record the number of MEALS taken by ADULT household members on a NORMAL DAY. By MEAL we mean any of the regular occasions in a day when a reasonably large amount of food is eaten. Do NOT include snacks eaten between meals. By ADULTS we mean household members of 15 years or older.*

- 2b. *Normally, how many meals, including breakfast are usually taken per day in your household by children between 5 and 15 years old? Record the number of MEALS taken by child MEMBERS between 5 and 15 years of age on a NORMAL DAY. The question is closed if the household does not have any household members in this age range.*

- 2c. *Normally, how many meals, including breakfast are usually taken per day in your household by children (6 to 59) months? Record the number of MEALS taken by 6-59 MONTHS OLD household members on a NORMAL DAY. The question is closed if the household does not have any household members in this age range. Consider BREASTFEEDING as a meal.*

3. *In the past 12 months, has your household been faced with a situation where you did not have enough food to feed the household? Select YES if in the **PAST 12 MONTHS** there was a moment when there was not enough food available in the household to feed the household. NOTE that the reference period is DIFFERENT to the questions asked earlier in the section (i.e., Q1a – 1h). If No, continue to next section.*

4. *When did your household experience this incident? If response to Q3 is YES, ask when the household experienced this incident. Select ALL months in which the household did not have enough food to feed the household members. The months are filtered and depend on the day of the interview. Pay attention to the year to ensure you select the correct year. Select all that apply.*

5. *What was (were) the cause(s) of this situation? If response to Q3 is YES, ask for the reason(s) the household did not have enough food to feed. Respondent can list up to three. Select ALL causes in ORDER OF IMPORTANCE, starting with the most important one to the least important one. Mark the most underlying reason as the most important, e.g. if a household had a low harvest because of a drought that also drove up food prices at the market, but the household normally eats the food they produce themselves, select*

INADEQUATE STOCKS DUE TO DROUGHT/POOR RAINS first, and FOOD IN THE MARKET WAS VERY EXPENSIVE as second. If the household says they had little food saved/harvested, etc., probe to understand the underlying reason (drought/pest damage/lack of land/lack of inputs) and select the corresponding option.

SECTION 10: ASSETS

Description: This section asks about the durable goods currently possessed by the household.

Respondent: Most knowledgeable adult member

Instructions: The section may feel repetitive for the respondent. Try to ENGAGE the respondent.

1. *Does your household own any item?* Read out the question text and the answer options one by one, recording for each option if the household owns at least one of the items or not. ONLY consider items in good working condition. Answer this question for all items FIRST before answering the details in the ASSET screen. MAKE SURE to not forget items. INCLUDE all items regardless of the use, whether they are for HOUSEHOLD USE OR FOR HOUSEHOLD BUSINESS.

Furniture (sofa set) - is the three or four piece settee with or without coffee tables. This has the long arm chair and two single seats or a love seat.

Furniture (chairs) - just regular chairs, not the sofa type.

Gas cooker - is a combination of stove that has both burners and oven i.e. a range with gas rings/burner which can have 4 or 6 burners and an oven for cooking/baking with gas. It is also known as a gas range or gas stove

Stove gas (table) - is the stove that has the burners only. It is the table-top kind of stove and has no oven.

Radio - is the simple small transmitter type as well as just a basic radio

Bednets (including baby nets) - If the respondent is not sure of the types of bed net, the enumerator should probe to get the correct response, try to observe the net, if possible. All bed nets should be considered, including the ones used by little babies.

Hi-Fi (Sound System) - is the radio combination with cassette and/or CD player that possesses high fidelity

2. *How many [ITEM] does your household own?* Record the TOTAL number of FUNCTIONING items owned by the household for this asset category. The items may be owned by individual household members, or jointly by (parts of) the household. DO NOT count items that are not in good working condition. *EXAMPLE: If Babatunde, Dayo and Femi each own one mobile phone, but Femi's is currently not working, record 2.*
3. *Is [ITEM] jointly owned by the entire household or owned by individual household members?* Read out each answer option and select the ownership status. If there is more than one item and they are owned differently, select what applies for most number of ITEM.
4. *Who owns this [ITEM]? Only asked if ITEM is owned (or mostly owned) by individual members (Q3=2).* If an item is owned by individual household members (i.e., not jointly owned by the household), select all the household members on the list who own the item.

5. *How many years ago was [ITEM] acquired?* Record the number of years that has passed since the household acquired ITEM. If the household owns more than one of item, refer to the most recently acquired one. If item is less than 12 months old, record '0'.
6. *If you wanted to sell one of this [ITEM] today, how much would you receive?* It is NOT the cost at which the item was purchased, but the value of the item in the market today. Ask the respondent to estimate how much they could receive if they wanted to sell one of the ITEMS. If more than one is owned of the item, refer to the most recently acquired one. Record the NAIRA value. Make sure that the amount recorded is the value of ONLY ONE ITEM.
7. *Does any of this/these [ITEM] run on petrol?* This question is active only for motorbike; cars and other vehicles; and generator. Select YES or NO for each of the three item options.

SECTION 11: OTHER HOUSEHOLD INCOME

Other household income, comes in the form of income from assets/properties owned by the household, including rental of properties, land (excluding lands rented out for agricultural purposes), buildings, interest on savings and other financial assets, dividends, etc.). Other household income also includes transfers in cash and other in-kind gifts, received from the same city/town/village. Enumerator should note that other household incomes DO NOT include regular sources of incomes such as agriculture, wage/salary/benefits, non-farm household enterprises, remittances, they are captured in other modules.

Respondent: In this section these questions should be asked to the household head (or a knowledgeable adult member of the household) for all individuals from fifteen years and above.

1. *In the last 12 months, did any member of your household receive any [INCOME TYPE]?* Include each income type source in the question and select either YES or NO. Income is from the LAST 12 MONTHS. Complete the list of sources before continuing to next set of questions in this section.
2. *During the past 12 months, how much in total did your household receive [INCOME TYPE]?* Of the listed sources in Q1, we want to know how much TOTAL INCOME the household received in the past 12 months. Record the absolute value in Naira. For in-kind payments, the monetary value should be estimated by the respondent and the amount recorded.
3. *Who in your household decides on the use of [INCOME TYPE]?* Select the household member from the roster, who decides how monies received from each income type should be used. PROBE AND SELECT ALL THAT APPLY

SECTION 11A – PLOT ROSTER

Description: This section collects information on household's access to land, regardless of their purpose or ownership. All types of land should be included in the roster. Examples of types of lands to be included:

- Lands used for crop cultivation, (whether or not the land is owned by the household, fallow lands, lands that the household rented in or out, sharecropped in or out);
- Lands owned or used by the household that has dwelling units built on it (regardless of land ownership either if the land with the dwelling is owned or rented);

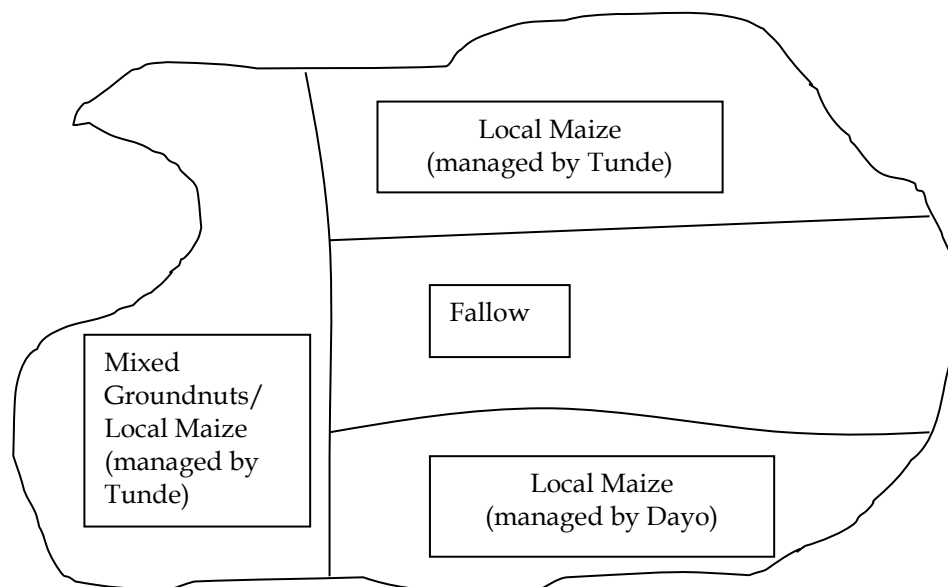
- Land owned or rented for non-farm enterprises or storage.

Land inventory will collect information on plots without a permanent structure such as a dwelling, commercial shop or storage. It must be emphasised that if the household rented the dwelling unit, the land on which that dwelling unit is situated must be listed. The reference period for this section is the agricultural season 2023/2024. Lands used for agricultural purposes should be listed using the definition of a PLOT given below.

Respondent: Ideally, the manager of each PLOT should be the respondent for their respective PLOTS. The most knowledgeable household member regarding the household farm operations, can respond in the absence of the manager of each PLOT.

Definition: For the purpose of this survey we understand an agricultural PLOT as a continuous piece of land on which a unique crop or a mixture of crops is grown, under a UNIFORM, consistent CROP MANAGEMENT SYSTEM. It must be a CONTINUOUS piece of land and MUST NOT be SPLIT by a river or path of more than one metre in width. Plot boundaries are defined according to the crops grown and the operator.

Example 1: One continuous piece of land cultivated by a household that is divided into four PLOTS:



Example 2: A piece of land has an area of 3.0 acres and is planted only with local maize. The land is divided into two equal portions by a river that is 2 meters in width. Both sides are managed by Femi, the son to the head of household.

Explanation: First, we recognise that the land is managed by a single operator – hence, the management system is UNIFORM and CONSISTENT throughout this piece of land. The piece of land is also pure-stand, planted only with local maize. Hence, the SAME cropping arrangement is seen throughout. However, the land is split by a river into two parts and is hence NOT CONTINUOUS. It is therefore split into TWO PLOTS.

Example 3: The piece of land has an area of 1.0 acre and is divided by a path 0.5 meters in width. It is mixed-stand, intercropped with hybrid maize and beans in its entirety, and managed only by Elizabeth.

Explanation: The piece of land is managed by a single operator – hence, the management system is UNIFORM and CONSISTENT throughout this piece of land. The piece of land is mixed stand, with hybrid maize intercropped with beans. The SAME cropping arrangement is seen throughout the piece of land which can also be considered CONTINUOUS, as it is divided by a path that is only 0.5 meters in width, i.e. LESS than 1 meter. Hence, there is only ONE PLOT in this case.

Example 4: The piece of land has an area of 1,000 square meters, is undivided, and managed by Oke. Approximately $\frac{1}{2}$ of the land is mixed-stand, intercropped with hybrid maize and beans with pumpkin planted along the edges. The remaining portion of the land is covered with cashew nut trees.

Explanation: The land is managed by a SINGLE operator – hence, the management system is UNIFORM and CONSISTENT throughout this piece of land. It is also CONTINUOUS. So far, these features would qualify the land as a single plot. However, the cropping arrangement is NOT CONSISTENT throughout; $\frac{1}{2}$ is cropped with hybrid maize, beans and pumpkins, whereas the other half is cultivated with cashew nuts. Since there are two unique mixture of crops planted in different halves of the land, we can conclude that it is made up of TWO PLOTS.

Example 5: The land has an area of one hectare, and is pure-stand, planted only with groundnuts. Approximately $\frac{1}{4}$ of the parcel is managed by Tambe, while the rest is managed by Rose.

Explanation: The land can be assumed to be CONTINUOUS, and the SAME cropping arrangement (pure-stand groundnuts) is witnessed throughout. So far, these features would qualify the land as a single plot. However, there are TWO DIFFERENT managers on two different portions of the land. Hence, the management system is NOT UNIFORM and consistent throughout, implying that the land is made up of TWO PLOTS.

Instructions: Before administering this section, you MUST have a DETAILED conversation with the farmer(s) concerning the organization of the household farm(s), using the SKETCH page and relying on drawings concerning locations and boundaries of their farmland, and the definitions/boundaries of the PLOTS. THE FARMER(S) AND YOU NEED TO BE ON THE SAME PAGE WHEN IDENTIFYING AND SPEAKING ABOUT INDIVIDUAL PLOTS. NOTE that our definition of a PLOT is not necessarily the same way farmers think about their plots, e.g. there is a tendency to refer to a continuous piece of land as a plot, or refer to a plot as a unit of area measurement. MAKE SURE you and the respondent understand one another and follow the PLOT definition explained above.

1 & 2. Make a list of ALL the PLOTS the household had access to, OWNS or CULTIVATED **THIS AGRICULTURAL SEASON 2023/2024**. ALL plots that the household owned or used for any purpose since the beginning of the agricultural season 2023/2024 should be listed. Be sure to list all plots whether owned, rented, or used for free including cultivated, dwelling, pastureland, forest, and business/commercial plots.

Provide a UNIQUE name for each PLOT under Q11a.1, including its use, the crop(s) planted, the manager and its location. The name must be precise enough that any of your colleagues can talk to another household member in 2 years' time about this PLOT and will be understood.

Provide a written description and the location of PLOT for Q11a.2. The description should be detailed, such that it would be easier for you and the household to identify and distinguish each PLOT in the future. Use landmarks and physical demarcations, crop name or operator where possible.

PLOTS

One sub section for every PLOT listed in Q11a.3. Answer one subsection at a time. Make corrections to the list of plots if you notice that plots have not been correctly identified.

3. Record the RESPONDENT'S ESTIMATION of the area of the PLOT and the corresponding area unit. The respondent can choose the appropriate area unit to report the area of the PLOT. ENCOURAGE them to estimate the area in acres, hectares, or square meters, if possible. MAKE SURE to select the correct area and unit combination.

AREA can be recorded with two decimal places. If the farmer reports one acre, enter 1 in Q11a.3a, and select ACRES in Q11a.3b. Many smallholders are likely to report areas in acres and/or fractions of acres, and probably not more detailed than $\frac{3}{4}$, $\frac{1}{2}$ or $\frac{1}{4}$ of an acre. CONVERT the fractions to decimals as follows: $\frac{3}{4} = 0.75$, $\frac{1}{2} = 0.50$, $\frac{1}{4} = 0.25$, and fill in the areas with two decimals. MAKE SURE that the decimals are correctly entered.

If the respondent does not know, HELP them ESTIMATE THE AREA. Use the following guidelines:

1 ACRE is a measure of an area of approximately 70 yard x 70 yard (100 steps by 100 steps);

0.25 ACRE or $\frac{1}{4}$ acre is a square of 35 yard x 35 yard (50 steps by 50 steps);

0.1 ACRE is 22 yard x 22 yard (31 steps by 31 steps);

0.05 ACRE is 16 yard x 16 yard (23 steps by 23 steps)

If the respondent cannot estimate in standard units, choose any of the non-standard units, which will be converted into standard units during analysis.

Note the following conversions and use them where appropriate:

- 1 acre @ 4000 m²@ 0.4 hectares
- 1 hectare =10,000 m²@ 2.5 acres

Please note that PLOTS (unit code 4), is also one of the local units of measuring crop farm area. Fifteen PLOTS (unit measure) is equivalent to one HECTARE.

4. Select Yes if the household indicated that the PLOT was cultivated by any member of the household since the beginning of the agricultural season 2023/2024.
5. This question will be asked if the PLOT was cultivated by the household at any time during the agricultural season 2023/2024. Record ALL members who are DECISION MAKERS for the plot. Decision makers are those who take decisions on how to use the plot, what crops to grow, when to plant and harvest, and what inputs to use. Note, the decision maker might not necessarily be the owner of the plot. For each plot, select the person(s) who is/are responsible for major decisions taken on the plot. Ensure that the respondent is reporting the appropriate person for each plot mentioned. Up to 4 persons may be selected for each plot. If there is more than one decision-maker for a plot, first select the primary decision-maker, then secondary and so on.
- This will not necessarily be the same person that has ownership or use right over the plot, though sometimes it could be.
 - DO NOT assume this person will be the head of household.
 - This question is not asking about who does the planting or applies the inputs, but specifically about who MAKES DECISIONS concerning various farming activities.
 -

SECTION 11B1: LAND INVENTORY

Description: This section asks about how the PLOTS were obtained and their current use, plot characteristics, irrigation, conservation practices that are currently present and the technology used for land preparation

Respondent: The most knowledgeable household member regarding the household farm operations, who may be assisted by other farm managers and labourers within the household. In the absence of someone knowledgeable about the household farming operations, the manager of each PLOT should respond for their respective PLOTS.

PLOTS

The sub section for every PLOT listed. Answer one subsection at a time.

2. Only members of at least 10 years of age are listed. Make sure to select a suitable and knowledgeable respondent.
3. Record the year PLOT was acquired by the household in 4 DIGITS. EXAMPLE: If the PLOT was acquired in 1997, write 1997 and NOT 97. By acquired we mean when the household obtained the right to use PLOT, e.g. by inheritance, purchase, renting or allocation. If the household uses PLOT for free, consider the year the household started using PLOT.
4. If PLOT was acquired by more than one means, select the main. NOTE that the question asks about the way the plot was acquired, do NOT confuse with main use of plots such as rented OUT, sharecropped OUT, etc. The question wants to know how the CURRENT owner, not their father or grandfather, acquired the plot.
 - Most smallholder farmers will have acquired their land through customary procedures from local leaders (Code 4).
 - In some areas, particularly around urban centers, land may be purchased (Code 1) – officially (with title) or unofficially.
 - Land can also be acquired by inheritance or any of the other answer options listed.
 - If a plot was acquired with a mortgage (loan from bank), record this as purchased, even if the household is still making payments.

OWNED

5. Ask for the type of land tenure system the PLOT is under. Land Tenure System can be defined as the right of ownership an individual or a community holds with respect to land and other resources on and in the land. It determines who can use the land, for how long, and under what conditions; as well as who can control and transfer the land. DO NOT READ OPTIONS. Probe and select the right option using the underlisted definitions as a guide.
6. This question is asked for plots that the household acquired through 'outright purchase' (code 1 for question 4). In this case the total amount (Naira) paid for each specific PLOT must be given. This must include both cash and in-kind payment i.e. payment in-kind must be converted and valued in Naira. For example, cash (₦ 275, 000) plus **50 bags** of Millet (₦ 200,000). The total amount paid will be 475,000 (275,000 + 200,000) which should be recorded accordingly.
7. Only asked for plots that the household acquired through outright purchase, government allocation, community distribution, family inheritance, or as gift from non-household member. Select the name of ALL the persons that own the PLOT from the list of household members displayed on the screen.
8. Record Yes if at least one member of the household had obtained a LEGAL TITLE OR ANY OTHER DOCUMENT that verifies the rights of occupancy to this PLOT. This question considers the legal documents as well as other documents.
9. This question seeks for the type of legal title or another document acquired for the PLOT. A list of possible response is provided. DO NOT READ OPTIONS. Probe and SELECT ALL THAT APPLY.

TITLE DEED is a written document for the transfer of land or other real property from one person to another. A writing or instrument under seal, containing some contract or agreement, and which has been delivered by the parties.

CERTIFICATE OF OCCUPANCY (C of O) is a document issued to a plot owner in the rural area as a legal right of ownership of the plot signed by a local government authority in Nigeria.

CUSTOMARY CERTIFICATE OF OCCUPANCY (CC of O) is a document issued to a plot owner as a legal right of ownership of the plot signed by traditional Rulers of a Locality or a Community in Nigeria.

RIGHT OF OCCUPANCY (R OF O) is a certificate issued to a plot owner as a legal right of ownership of the plot signed by Chairman of a Local Government in Nigeria

10. For each selected legal title/document to the land selected in Q11b1.8a above, indicate the persons in the household whose names are written on that title/document. Ask to see the title/document if available and if the household is willing to show it. If document is shown, select the names displayed.
11. Ask for the total payment made to obtain the legal title/document for this plot. The amount should be recorded in Naira. Note that this is not the cost of the land, but rather the cost of obtaining the title/document only. INCLUDE ALL PAYMENTS FOR ALL LEGAL TITLES SELECTED IN Q11b1.9.
12. This question will be activated if the response to Q11b1.8 is NO. Ask why the household has not acquired a legal title for PLOT. DO NOT READ OPTIONS. Probe and select all that apply, starting with the most important one to the least important one.

USED FOR FREE

17. This question is activated with the selection of option 3 in Q11b1.4 (=USED FREE OF CHARGE). Though the household uses the PLOT for free, ask if any member of the household has any written agreement with the landowner for using that PLOT.
18. If the household has a written agreement with the landowner for using the PLOT for FREE, ask if names of any member of the household appears on this written agreement.
19. Select the name(s) of household members whose names appear on the written agreement for the PLOT that the household uses for free. After this question, the next question to be asked for used-for-free plots is Q11b1.31.

RENTING IN

20. This question is activated with the selection of option 2 in Q11b1.4 (=RENTED IN). The question is on the amount of money paid in cash by any household member for renting in PLOT since the beginning of the agricultural season 2023/2024. Write the total amount (Naira) paid in cash for renting in each PLOT. If the household rented in one hectare of land for 20,000 and that land is divided into 4 different plots, then 5,000 should be recorded here, not 20,000.
21. Select the time period the payment in Q11b1.20 covers. DO NOT READ OPTIONS.
22. Payment in-kind for renting in each PLOT must be converted and valued in Naira. For example, 950 tubers of Yam valued at N 150,000, then 150,000 should be recorded here. Record 0 if no in-kind payment was received.
23. Select the time period the payment in Q11b1.22 covers.
24. Ask how the contract for the rented in PLOT was established between the household and the landowner. A contract can be written and registered (with a lawyer), or written but not registered, or can be oral with or without a witness. Select the applicable option.
- 24a. If the contract for the rented in PLOT is an oral type, that means option 2 was selected in Q11b1.24, then ask if there was a witness when this oral agreement was made. A witness can only be a person of sound

mind, who understood the agreement that was being made. Select YES even if the witness passed away but participated at the time of the agreement.

- 24b. If the contract for the rented in PLOT was a written type (registered or unregistered), that is option 1 was selected for Q11b1.24, then ask if it is a registered agreement.
- 25. The person(s) in the household whose names appear on this written contract for the rented in PLOT must be selected from the list of household members. Probe and select all that apply.
- 26. Select the household member(s) who can do what, with which resources and assets, for how long and under what conditions with the PLOT. They could be other people that are not included in the written agreement if any.
- 27a&b. Ask how long the agreement for renting in the PLOT is for; enter the number and period covered.

SHARECROPPED IN

SHARECROPPED OUT refers to when plot owner (the household) agrees to give out his/her land to a farmer or another household for farming operations, on the basis of sharing the proceeds from the farm with the farmer after the harvest. The proceeds can be shared in percentage or absolute terms. The reverse is true for **SHARECROPPED IN** where the household takes land from another household for farming operations and the proceeds shared in either percentage or absolute terms.

- 29. This question is activated with the selection of option 6 in Q11b1.4 (=SHARECROPPED IN). Ask how much of the output from the land was agreed to be paid or has been paid to the landowner in the 2023/2024 agricultural season. Only a percentage of the output can be recorded, so it cannot be more than 100. If the response is in Naira value, then enter '999'.
- 30. This is about the total cash value of in-kind (non-cash) payments that have been made or will be made to the landowner as part of the sharecropping arrangement in the 2023/2024 agricultural season. Probe and help the respondent to estimate the Naira equivalent. Record 0 if no in-kind payment was received.

USE RIGHTS

- 31. The question opens up if the answer on Q11b1.4 is not RENTED IN, SHARECROPPED IN, nor TEMPORARY LAND EXCHANGE. This question is directed to the respondent, whether or not he/she has the right to sell the PLOT. If the respondent says he/she will not sell the PLOT, pose a hypothetical scenario to him/her if the PLOT were to be sold, does he/she have the right to sell it.
- 32. Ask if the respondent has ever used the PLOT as collateral security. **COLLATERAL SECURITY** refers to something of value given or pledged as surety for payment of a loan, a negotiation, bond etc. if there would be disappointment in fulfilment. E.g. a loan of 1.5 million naira obtained from a deposit bank and submitted the C of O of your plot as collateral security in case the loan could not be repaid as agreed.
- 33. This is to find out if the respondent has the right to use the PLOT as collateral security. This will be asked only if the respondent indicates that he/she has not used the PLOT as collateral in Q11b1.32.
- 34. This is to find out whether any other member(s) in the household has the right to sell PLOT or use it as collateral security.
- 35. Probe and select the other members of the household who have the right to sell PLOT or use it as collateral security.
- 36. This is to find out whether the PLOT will be inherited by a current member of the household, a person outside the household or both. **DO NOT READ OPTIONS. INHERIT PLOT** means take over the ownership of the PLOT in the absence of the present owner as a result of death.

37. If the PLOT will be inherited by a current member of the household (Q11b1.36=1 or 3), then this question asks for the person(s) in the household who will inherit the PLOT. Select the names of household members who will inherit the PLOT from the list displayed.
38. Select the non-household members that will inherit PLOT. This relationship is to the household member that currently owns the PLOT. It is NOT the relationship of the non-household member to the head of household, unless the head of the household is the current owner of the PLOT.
39. BEQUEATH means to hand down or pass on or enlist personal property (plot) as will to a person before dying in a legal form. Ask if the respondent or any other members of the household have the right to bequeath PLOT.
40. If the household has the right to bequeath the PLOT, ask for the person(s) in the household that have the right to bequeath the PLOT. Continue to Q11b1.42.
41. If the response to Q11b1.39 is NO, then this question asks for the non-household member who has the right to bequeath the PLOT. Probe and select the main one.
42. This is a subjective and sensitive question that has to be innovatively asked and with care. It is a Likert scale question that establishes the likelihood of members of the household who own the PLOT, to lose their ownership or use rights to PLOT involuntarily within the next 5 years.

VALUE & USE

43. This question seeks for the current value of the plot by posing the question “if the [PLOT] were to be sold today, how much could it be sold for?”. Ask respondent to estimate the current value, even if the PLOT cannot be sold
44. Ask about the MAIN use of PLOT since the beginning of the AGRICULTURAL SEASON 2023/2024. A list of possible uses is provided and the interviewer should record the MAIN use of the PLOT.
45. If the PLOT has been left fallow, ask for the number of years in which the PLOT has been left fallow, including the current year. Note that we are talking about consecutive years (i.e years following one another without interruption), including the current agricultural season 2023/2024. Record the number of years land was left fallow.
Example 1: If land was fallow in 2023/2024, fallow in 2022/2023, cultivated in 2021/2022 and fallow in 1999/2021 agricultural seasons. The number of consecutive years is 2, because there was an interruption in 2021/2022.
Example 2: If land was fallow in 2023/2024, cultivated in 2022/2023, fallow in 2021/2022 and cultivated in 1999/2021 agricultural seasons. The number of consecutive years is 1, because there was an interruption in 2022/2023. Continue to Q11b1.61.

RENTED OUT

46. This question is activated with the selection of option 2 in Q11b44 (=RENTED OUT). Record the number of consecutive years, including the current year, in which PLOT has been *rented out*. **Note:** that we are asking for consecutive years (i.e years following one another without interruption).
47. This question asks for the total rental value of the plot to the household. Therefore, make enquiry for the amount received in cash for renting out PLOT in Naira e.g. 356,000. Record 0 if no in-kind payment was received.
48. Ask for the period that the payment in Q11b1.47 covered. Only one response is allowed for each plot from the listed options. For **option 5 (other specify)** the response must be written out detailly, but concise.

49. Ask for the value of the payment received in-kind for the renting out of this [PLOT]. Convert the amount received in kind to cash equivalent (Naira) e.g. 20 bags of Groundnuts (₦ 120,000). This estimated amount (₦ 120,000) should be recorded accordingly. Record 0 if no in-kind payment was received.
50. Inquire for the period that the payment in-kind in Q11b1.49 covered. Only one response is allowed for each plot from the listed options. For **option 5 (other specify)**, the response must be written out detailly, but concise.
51. Ask if the household has a written or oral contract for the rented out PLOT.
52. If the contract for the rented out PLOT is oral, then this question asks if there was a witness for the oral agreement.
- 52a. If the contract for the *rented out* PLOT is written, then this question asks if it is registered with a government agency or body recognized by the government.
53. The question seeks to know the duration of the contract in years. For less than one year, enter '0'; or '999' if respondent does not know. Record 0 if less than 1 year, record 999 if unknown. Continue to Q11b1.56.

SHARECROPPED OUT

54. This question is activated with the selection of option 3 in Q11b44 (=SHARECROPPED OUT). Establish whether the household has either a written or oral contract for this sharecropping out arrangement with the partner for PLOT.
55. If the contract for the sharecrop out is oral, ask if there was a witness for establishing this contract. Continue to Q11b1.56.
- 55a. If the contract for the PLOT is written, then this question asks if it is registered with a government agency or body recognized by the government.

IRRIGATION

56. Select YES if PLOT was irrigated at any point during the **AGRICULTURAL SEASON 2023/24**, even if only for some of the time. Irrigation is the artificial supply of water to an agricultural field, usually by means of a channel. The channel/system used can be advanced as in drip and sprinkler irrigation or a less sophisticated type such as hand pump. If No, move to Q11b1.61.
57. If more than one water source was used for PLOT irrigation, select the MAIN one. DO NOT READ OPTIONS.
58. Select ALL functional irrigation systems that are used on PLOT.

TREADLE PUMP is a low-cost, simple manual pump. It has two pistons placed side by side and a chain or rope which passes over a pulley that connects the two pistons together so that when one piston is pushed down, the other comes up. Each piston is connected to a treadle. A suction or intake pipe connects the pump to the water source. At the end of this pipe is a non-return valve that only allows water to enter the pipe and stops it from flowing back.

MOTOR PUMPS are water lifting devices that are propelled by either diesel, petrol or electricity. An example of a motor pump is the radial flow pump commonly known as centrifugal pump.

SPRINKLER is a way of applying irrigation that is similar to natural rainfall. It can be used on many crops, soils and geographic conditions.

SHADOUF is a water pumping system for irrigation which uses the principle of the lever to aid human effort in lifting water from streams on to the farm.

STREAM DIVERSION means the act of diverting, pumping or otherwise removing water from a stream into a channel, ditch, pipeline, or other conduit.

GRAVITY: water is conveyed from surface sources — primarily rivers or reservoirs — and is distributed to fields through a network of canals or pipelines using gravity.

59. Select SEASONAL if PLOT is only irrigated in certain times of the year, and YEAR ROUND if it is irrigated in every time of the year.
60. Select the main group or person managing the irrigation system for PLOT, including the source of water. Managing means deciding on the frequency and amount of water used, deciding and organising its construction, maintenance and extension. If more than one person/group select the one that manages the largest irrigation system in the plot. Select SELF/HOUSEHOLD MANAGED if the irrigation system is owned and managed by the household; COMMUNITY FARMER if the system is owned by a farmer cooperative in which someone in the household is a member of the cooperative and therefore benefits from such an irrigation structure; AGENCY MANAGED if the system is managed by an organization or agency of any kind, sometimes for a fee; and COMMUNITY MANAGED if the system is owned and managed by the community, in which members of the community have access to that facility at low or no cost, an example of a common access resource.

SOIL TYPE & QUALITY

61. This question is asked for all PLOTS owned or cultivated by the household since the beginning of the agricultural season 2023/2024. READ OUT the question and response options, wait for a response and select the predominant/main soil type on for PLOT. EXPLAIN to the farmer using the underlisted definitions, if they don't know the soil type of PLOT.

Sandy - the soil is very porous to water with a brown colour, having tiny granite.

Clay Soil – the soil is heavy, muddy and thick when wet. It also looks brown/red in colour having capacity of retaining water. But the soil is very hard to dig during dry season.

Mainly mixture of sand and clay – the soil looks brownish in a mixture of sand and clay soil colours.

Forest Soil (rich clayey loam) – this soil is commonly found where forest grows.

Loam – the soil looks blackish in nature which is very fertile for agriculture. It is a mixture of sand, clayey and silt with organic composition.

62. READ OUT the question and response options and wait for a response. Fair means the soil is neither good nor poor/bad, but Okay.
63. READ OUT the question and response options and wait for a response. If water does not readily drain from the plot, it is flat. Steep and hilly plots will be somewhat difficult to cultivate because of the slope.
64. Select YES if there were problems with erosion on PLOT at any point during the LAST completed agricultural season. Soil erosion is the wearing away of a field's top soil by the natural physical forces of water, wind or through forces associated with farming activities such as tillage and animal grazing. If No, move to Q11b1.66.
65. If there was more than one cause of erosion, select the MAIN factor that directly caused the erosion.
66. Select YES if there is any form of an erosion control/water harvesting facility on PLOT, independent of when they were installed/planted/constructed. Also select YES if they only cover/affect part of the plot. Erosion controls, such as tree belts or stone walls break the wind to reduce wind erosion, water

harvesting facilities prevent running water from washing away the top soil, such as terraces (by making the plot flat) or channels or dams, by stopping it from running. If No, move to Q11b1.69.

67. DO NOT READ OPTIONS. Select ALL erosion control/water harvesting facilities currently in place on PLOT. **Gabions** are structures made from metal bar or wire that are filled with stones or earth. **Bunds** are stones or earth piled arranged into a wall like structure. **Water Harvest Bunds** are semi-circular shaped pits that capture rainwater. **Drainage Ditch** is a depression in the land created to channel water.
68. Select the most recent time when the facility selected in Q67 was installed or improved. If there is more than one facility, consider the one with the most RECENT investment. DO NOT READ OPTIONS.

TRACTORS

69. Select YES if tractors were used for the land preparation on PLOT during **THIS AGRICULTURAL SEASON**. A tractor must be motorized. If yes, continue to next plot.
70. Select the MAIN reason why tractors were not used for the land preparation. Select TRACTORS NOT AVAILABLE if there are no tractors in the area that one could hire or buy, TOO EXPENSIVE if there are tractors available in the area for hire or buy but they are too expensive, PLOT NOT SUITABLE/ACCESSIBLE if the plot cannot be reached or cultivated by tractor because of terrain or vegetation.

SECTION 11C1: HOUSEHOLD LABOUR

Description: This section asks about the work that household members have done on the cultivated PLOTS since the beginning of the agricultural season 2023/24.

Respondent: The most knowledgeable household member regarding the household farm operations, who may be assisted by other farm managers and labourers within the household. In the absence of someone knowledgeable about the household farming operations, the manager of each PLOT should respond for their respective PLOTS.

PLOT

One sub section for every PLOT cultivated by the household since the beginning of the agricultural season 2023/24.

HH MEMBER

In each PLOT there is a subsection for all current household members aged 5 years or older. Answer the questions member by member for each plot.

INTERVIEWER READ: Now I would like to ask you about the plot you planted during this planting season (REFER TO SECTION 11A1, QUESTION 4 FOR CULTIVATED PLOTS)

- 1a. Select YES if MEMBER has worked on PLOT since the household started preparing the PLOT for **2023/24 AGRICULTURAL SEASON**, independent of the agricultural activity performed, and even if it was only for one hour. NOTE that this question and follow-up questions are asking about ONLY this specific PLOT, IGNORE work on any other plot.

- 1b.** Record the TOTAL number of days ON which MEMBER worked on PLOT since the household started preparing PLOT for **2023/24 AGRICULTURAL SEASON**, independent of the agricultural activity performed, and even if it was only for one hour. CONSIDER ALL days on which MEMBER worked, even if it was only for a short time. *EXAMPLE: Tunde worked on the maize plot for one hour on Tuesday afternoon and for 3 hours on Wednesday. The answer is 2 (Tuesday and Wednesday).*
- 1c.** Record the typical number of hours MEMBER worked PER DAY on PLOT. *EXAMPLE: In our example above, Tunde typically works either 1 or 3 hours*
- 1d.** Select ALL activities that MEMBER has performed on PLOT during the days recorded in Q11c1.1b. DO NOT READ OUT THE LIST OF ACTIVITIES, probe and select all that apply. Select LAND PREPARATION AND PLANTING for any preparation and planting related activity, WEEDING for weeding, HARVESTING for any harvesting related activity, SUPERVISION if MEMBER did not work themselves but supervised other household members or non-household workers, and RIDGING, FERTILIZING, OTHER NON-HARVEST ACTIVITIES for any other non-harvesting, non-planting activity, such as ridging or fertilizing.

SECTION 11C2: HIRED AND EXCHANGE LABOUR

Description: This section asks about the labour the household hired or received for free to cultivate their PLOTS during this agricultural season.

Respondent: The most knowledgeable household member regarding the household farm operations, who may be assisted by other farm managers and labourers within the household. In the absence of someone knowledgeable about the household farming operations, the manager of each PLOT should respond for their respective PLOTS.

HIRED LABOUR

- 1.** Read out the question text for each person type and select YES or NO. Select YES if any individual from PERSON TYPE has been HIRED to work on PLOT since the household started preparing land for **2023/24 AGRICULTURAL SEASON**, independent of the agricultural activity performed, and even if it was only for one hour.

By hired we mean the person-type worked for PAYMENT in cash or in-kind. Do NOT consider person-type that have worked for free. It does NOT matter who in the household hired the persons. Do NOT consider as payment the food given during the day of work.

NOTE that question and follow-up questions are asking about PLOT ONLY, IGNORE work on any other plot.

Men – all MALE persons, not household members and aged 15 years or older

Women - all FEMALE persons, not household members and aged 15 years or older

Children - all persons under 15 years independent of sex, not household members

Asked for every PERSON TYPE selected under Q1.

- 2.** Record the TOTAL number of PERSON TYPE (i.e. men, women or children) that have been HIRED to work on PLOT since the beginning of the **2023/24 AGRICULTURAL SEASON**. Note that the persons did not

have to work on PLOT at the same time. *EXAMPLE: if one woman was hired in February, and two other women were hired in April, record the total 3.*

3. Record the number of days for which a TYPICAL person worked on PLOT since the household started preparing land for **2023/24 AGRICULTURAL SEASON**. NOTE that the question is asking for ONE (typical) PERSON ONLY, not the total. If persons were hired for different lengths of time, record the number of hours each PERSON normally worked on PLOT per day. CONSIDER ALL days on which a typical person worked, even if it was only for a short time. *EXAMPLE: In above example, if the woman in February was hired for 6 days and the two women in April for 3 days, record 4.5 days $((6+3)/2)$.*
4. Record the typical number of hours ONE PERSON TYPE worked PER DAY on PLOT. *EXAMPLE: In our example above, if each woman worked around 6 hrs per day, record 6.*
5. Record the TOTAL AMOUNT paid on average to EACH PERSON TYPE PER DAY. Estimate the Naira equivalent for in-kind payments. NOTE that the question asks per person. If the payment was paid to a group, calculate how much was paid for one individual.
- 6a-6e. Select ALL activities that all individuals from PERSON TYPE have performed on PLOT. Select LAND PREPARATION AND PLANTING for any preparation and planting related activity, WEEDING for weeding, HARVESTING for any harvesting related activity, and RIDGING, FERTILIZING, OTHER NON-HARVEST ACTIVITIES for any other non-harvesting, non-planting activity, such as ridging or fertilizing. DO NOT READ OUT THE LIST OF ACTIVITIES, probe and select all that apply.

EXCHANGE LABOUR

7. Asked for every PLOT. Read out the question text for each PERSON TYPE and select YES or NO. Select YES if any individual from PERSON TYPE has worked on PLOT WITHOUT PAYMENT since the household started preparing PLOT for **THIS AGRICULTURAL SEASON**, independent of the agricultural activity performed, and even if it was only for one hour.

Working without payment includes working as exchange labourer (e.g. if neighbours help each other harvesting) or for nothing in return (e.g. if a relative who is not a household member helps with the harvest but gets nothing in return). Do NOT consider as payment the food given during the day of work.

NOTE that question and follow-up questions are asking about PLOT ONLY, IGNORE work on any other plot.

Men – all MALE persons, not household members and aged 15 years or older

Women - all FEMALE persons, not household members and aged 15 years or older

Children - all persons under 15 years independent of sex, not household members

8. Record the TOTAL number of PERSON TYPE (i.e. men, women or children) that have worked WITHOUT PAYMENT on PLOT since the beginning of **2023/24 AGRICULTURAL SEASON**. Asked for every PERSON TYPE selected under Q11c1.7. NOTE that the persons did not have to work on PLOT at the same time. *EXAMPLE: if the father of the household head (who lives in another household) helped with PLOT preparation in February, and 4 male neighbours helped harvesting in May, record the total 5.*
9. Record the number of days for which a TYPICAL person worked on PLOT since the household started preparing land for **THIS AGRICULTURAL SEASON**. NOTE that the question is asking for ONE (typical) PERSON ONLY, not the total. If persons worked for different lengths of time, record the average. CONSIDER ALL days on which a typical person worked, even if it was only for a short time.

10. Record the number of hours that ONE PERSON TYPE normally worked PER DAY on PLOT. EXAMPLE: In our example above, if the father worked 6 hrs per day and the neighbours worked 3 hrs per day, record the average
11. Select ALL activities that all individuals from PERSON TYPE have performed on PLOT. Select LAND PREPARATION AND PLANTING for any preparation and planting related activity, WEEDING for weeding, HARVESTING for any harvesting related activity, and RIDGING, FERTILIZING, OTHER NON-HARVEST ACTIVITIES for any other non-harvesting, non-planting activity, such as ridging or fertilizing.

SECTION 11F: PLANTED FIELD AND TREE CROPS

Description: This section asks about the crops the household is cultivating on their PLOTS during this agricultural season, as well as tree crops cultivated in previous seasons.

Respondent: The most knowledgeable household member regarding the household farm operations, who may be assisted by other farm managers and labourers within the household. In the absence of someone knowledgeable about the household farming operations, the manager of each PLOT should respond for their respective PLOTS.

PLOT

One sub section is displayed for each PLOT that is cultivated in the current agricultural season. Plots that are used differently (e.g. left fallow or rented out) are not listed.

- 1 Select ALL field and tree crops that the members of the household have cultivated since the beginning of **THIS AGRICULTURAL SEASON**, and the tree crops on PLOT. NOTE that sometimes more than one crop is cultivated/grown on one plot. PROBE and make sure to include ALL crops grown, even if there are only a few on PLOT. Include crops grown on the boundaries of the plot, such as cassava.

FIELD CROPS

One sub section for each crop selected in 1. We distinguish between two different types of crops, depending on the crop type, different questions are opened in the sub section:

Field crops – crops that are usually planted and harvested within one season (with some exceptions), including cereals (e.g. maize, rice, wheat, etc), roots and tubers (e.g. cassava, potatoes, yam, etc), vegetables (e.g. okra, carrot, cabbage, etc), pulses and some nuts (e.g. beans, peas, ground nut).

Tree crops – crops from plants (trees or bushes) that take several seasons to produce fruits/seeds/leaves that can be harvested, and are usually harvested over many seasons, e.g. mango, cashew, banana & plantain, pineapple, etc. Tree crops can last for many years and sometimes be inherited from generation to generation.

MAKE SURE the respondent understands that all questions are ONLY for CROP on PLOT.

3. DO NOT READ OPTIONS. Select 100 if there is only one crop on the plot *AND the crop covers all of the plot*. If the single crop covers only part of the plot, or if there are multiple crops on the plot, then ask the

respondent to estimate the portion of the plot covered by each crop. If the respondent has trouble estimating the percentage, help assess this by asking them how the crops are arranged.

4. This question is only asked if the plot has more than one crop. DO NOT READ OPTIONS. **PURE STAND** are plots on which the household intentionally planted only one type of crop in the reference season. Weeds or self-germinating plants remaining on the plot from previous seasons should not be taken into consideration for this classification. **MIXED or INTERCROPPED** plots are where the household has intentionally planted more than one crop. It is the most basic form in which the component crops are totally mixed in the available land space. This pattern can be in form of two or more crops planted on the same piece of land. i.e. a PLOT has Maize, Yam and Melon grown together. Examples of inter-cropping include mixed cropping, relay cropping, alley cropping and strip cropping.

5a-5c. Record the TOTAL quantity of CROP (seeds/tubers/stems) planted on PLOT in the **2023/24 AGRICULTURAL SEASON**. The question text is automatically updated so that the seed-type (seeds/tubers/stems) matches the crop. The question is composed of up to three question fields, the QUANTITY, the UNIT, and depending on the unit the SIZE of the unit. Record under QUANTITY how many of units have been planted, select under UNIT the corresponding unit. For some of the traditional units, SIZE will open and ask you to specify the size of the unit, e.g. if it was small, large or extra large dericas. Check with the respondent by showing them the photo album. MAKE SURE to record the right quantity and unit combination. If the unit is not listed, ask the respondent to estimate in one of the listed units, and if not possible, record as another unit, under 'Other Specify'.

6. Read out the question text and answer options. If the respondent does not know, check how they obtained the seeds/tubers/stems, and explain the categories.

Improved seeds are seeds that have some better qualities/traits added to it by a farmer or a plant breeder. They may or may not have been certified. These new traits can be high yielding, drought resistant, or pest resistant.

Traditional/local seeds are those not from improved varieties, typically have been grown in the area for some time and are usually either self-produced or obtained from other farmers or merchants who obtained them locally.

7. For improved seeds ONLY. Select YES if the seeds have been approved for sale and planting by the appropriate seed certification authority such as the Ministry of Agriculture.
8. For improved seeds, record the name of the seed type. For this question, write "DK" if they do not know.
9. Select YES, if the seed used on this PLOT, is fresh: that means it has never been used by the respondent or any other farmer. Recycled seed is one that was gotten from the product of a previously used seed, therefore it is not new.
10. If the seed used on PLOT is not new, then ask how many seasons the household has been using this seed variety since the first time they acquired it. Include the first time the seed was used in the final count. Note: that we are asking for number of consecutive seasons (i.e seasons following one another without interruption).
11. Select the month and 4-digit year for which the household planted most of the CROP seed on PLOT during the 2023/24 agricultural season.

TREE/PERMANENT CROPS

13. Select YES if the tree crops planted on PLOT are part of an orchard or plantation. An **ORCHARD** is a type of farm where fruits and nuts are grown on trees and shrubs. Examples of orchard fruits are apples, pears, oranges, bananas, and cherries. Examples of orchard nuts are pecans, walnuts, and almonds. A **PLANTATION** is an agricultural estate, generally centered on a plantation house, meant for farming that specializes in cash crops, usually mainly planted with a single crop, with perhaps ancillary areas for vegetables for eating and so on.
14. This question refers to tree crops. Select from the list, the PLOT area that is planted with TREE CROP plants this **2023/24 AGRICULTURAL SEASON**. If tree crop covers entire plot, record 100. If half record 50 etc. DO NOT READ OPTIONS.
15. Record the TOTAL number of TREE CROP plants on PLOT, irrespective of when they were planted. If the respondent does not know, ask them to estimate. ONLY enter '99' if the respondent is unable to quantify.
16. Record the year in 4 digits (e.g. 2005) in which MOST TREE CROP plants were planted on PLOT. If the trees were planted in different years, record the year in which most of them were planted.
17. Record the TOTAL number of TREE CROP plants that were planted on PLOT since the beginning of the **2023/24 AGRICULTURAL SEASON**. If no TREE CROP plants were planted on PLOT this agricultural season, enter '0'.
18. For TREE CROP plants planted during this **2023/24 AGRICULTURAL SEASON**, read out the question text and answer options. If the respondent does not know, check how they obtained the trees/plants/seeds, and explain the categories.

Improved are trees/plants/seeds that have some better qualities/traits added to it by a plant breeder. They may or may not have been certified. These new traits can be high yielding, drought resistant, or pest resistant.

Traditional/local are from not improved varieties, typically have been grown in the area for some time and are usually either self-produced or obtained from other farmers or merchants who obtained them locally.
19. Select YES if TREE CROP has EVER been harvested on PLOT, even if it was before the **2023/24 AGRICULTURAL SEASON**.
- 20a-d. Record the start and end month and year of the last COMPLETED production/harvest period. Record the year in 4 digits, e.g. 2005. By production/harvest period we mean the period in which fruits/nuts/leaves are harvested from TREE CROP. If the interview is happening during the production/harvest period select the dates of the period before the current one. *EXAMPLE: you interview in August during mango season, so you have to ask for the LAST COMPLETED mango harvesting period, which was from July-August 2017. Select July (a) and record 2017 (b) as start date, and select August (c) and 2017 (d) as end date.*
21. Select YES, if prior to the LAST COMPLETED production/harvest period there were any losses of CROP on PLOT of ANY type, i.e. that the household did not harvest as much as they had expected or hoped for at the beginning of the agricultural season. This refers to ONLY losses before harvest. If the plant is harvested throughout the year, the losses refer to only the last harvest period and not over the entire **2023/24 AGRICULTURAL SEASON**. Any losses after harvest (while in storage, transport, etc) or from previous harvest periods should not be considered or recorded here.

- 22.** Select the main cause of the losses of CROP in the LAST COMPLETED production/harvest period. If more than one, select the two MAIN causes.
- 23a-d.** Record the TOTAL quantity of CROP harvested in the LAST COMPLETED production/harvest period. The question is composed of up to four question fields, depending on the crop the CONDITION/TYPE, the QUANTITY, the UNIT, and depending on the unit the SIZE of the unit. Record under QUANTITY how many of units have been harvested, select under UNIT the corresponding unit.
- For some of the traditional units, SIZE will open and ask you to specify the size of the unit, e.g. if it was small, large or extra-large dericas. Check with the respondent by showing them the photo album.
- For some CROPS, CONDITION/TYPE (unshelled/shelled) will open and ask you select the applicable condition.
- MAKE SURE to record the right quantity and unit combination. If the unit is not listed, ask the respondent to estimate in one of the listed units, and if not possible, record as another unit.
- 24a-d.** Record the TOTAL quantity of CROP the household expects to harvest during the **2023/24 AGRICULTURAL SEASON** from PLOT. If the respondent does not know ask them to estimate by comparing to previous seasons. The question functions as question 23 above.
- 25.** Select YES if the household is PLANNING to sell any of CROP they expect to harvest from PLOT during the **2023/24 AGRICULTURAL SEASON**. NOTE that the question is asking about their plans now and is assuming that they will be able to harvest the quantity stated in 24. NOTE also that this is a hypothetical question, the response of which will not necessarily translate to the actual future decisions of the household.
- 26.** The question wants to know if the respondent thinks there is a probability that some or most or even all CROP on PLOT will be lost due to climatic conditions or extreme events. If the respondent says “it’s possible”, select LIKELY.

SECTION 11E: SEED ACQUISITION

Description: This section asks about the acquisition of the seeds that were used to plant the crops cultivated on the household PLOTS during this agricultural season. Information is captured at the SEED TYPE level – improved or traditional/local.

Respondent: The most knowledgeable household member regarding the household farm operations, who may be assisted by other farm managers and labourers within the household. In the absence of someone knowledgeable about the household farming operations, the manager of each PLOT should respond for their respective PLOTS.

SEEDS

One sub-section is displayed for every seed type that was planted by the household on ANY of their plots. For field crops, seeds are distinguished between improved and traditional seeds/tubers/stems. For tree crops there is no such distinction and the sub-section is only asked if any plants were planted during **THIS AGRICULTURAL SEASON**. MAKE SURE the respondent understands that all questions are asked about the seed type used across ALL their plots.

1. If there is more than one reason why they used SEED, select the MAIN. DO NOT READ OPTIONS.

LEFTOVER FROM PREVIOUS HARVEST

2. Select YES if any of SEED used during **2023/24 AGRICULTURAL SEASON** was left over from ANY previous season. This includes CARRY OVER seeds, i.e. seeds that were not planted in previous seasons and were still good to plant, as well as seeds produced in PREVIOUS HARVESTS. NOTE that the question is not limited to the previous season only but includes ANY previous season.

INCLUDE stems produced from existing plants, e.g. cassava stems.
3. Only asked if household used left over crop seed from previous seasons. Record the TOTAL quantity of SEED used during **2023/24 AGRICULTURAL SEASON** that came from previous seasons. The question is composed of up to three question fields, the QUANTITY, the UNIT, and depending on the unit the SIZE of the unit. Record under QUANTITY how many of units came from previous seasons, select under UNIT the corresponding unit. For some of the traditional units, SIZE will open and ask you to specify the size of the unit, e.g. if it was small, large or extra-large dericas. Check with the respondent by showing them the photo album. MAKE SURE to record the right quantity and unit combination. If the unit is not listed, ask the respondent to estimate in one of the listed units, and if not possible, record as another unit.

FREE SEED

4. Select YES if the household received for **free** any of CROP SEED used during **2023/24 AGRICULTURAL SEASON**. EXCLUDE seeds that are self-produced by the household in previous harvests or were carry over seeds, they must be recorded under Q11E.4. INCLUDE any seeds received from outside the household for which the household did not have to pay in cash or in-kind, e.g. gifts from friends and family, or donations from the government or organisations. If seeds were received for free PRIOR to the planting of the LAST season, they will be considered as seeds from PREVIOUS SEASONS. Select YES only if the free seed was received after planting of the last season; Select NO if free seed was received before planting of the last season.
5. Record the TOTAL quantity of CROP SEED used during **2023/24 AGRICULTURAL SEASON** that the household received for **free**. Refer to Q11E.6 explanation for more information.
6. Select from whom the household received for free the CROP SEED used during **2023/24 AGRICULTURAL SEASON**. If there is more than one source, select the source from which the household received most CROP SEED. DO NOT READ OPTIONS.
7. Select the MAIN mode of transport used to transport back CROP SEED received for free to the farm. If the household received CROP SEED at their farm, select 'NO TRANSPORT/DELIVERED AT FARM'. DO NOT READ OPTIONS.

PURCHASED SEED

8. Select YES if the household purchased any CROP SEED used during **2023/24 AGRICULTURAL SEASON**. INCLUDE any seeds the household purchased in cash or in-kind. If seeds were purchased PRIOR to the planting of the LAST season, they are considered as seeds from PREVIOUS SEASONS and cannot be considered here.
9. Record the TOTAL quantity of CROP SEED used during **2023/24 AGRICULTURAL SEASON** that came from the quantity that the household purchased. The question functions as Q11E.3. You can record using a different unit than reported in Q11E.3. ONLY RECORD PURCHASED SEEDS USED. EXCLUDE SEEDS PURCHASED THAT WERE NOT USED.

10. Select ALL household members who purchased CROP SEED. By purchase we mean who paid for them, NOT who physically bought them. All current household members of 5 years of age or older are listed as answer options.
11. Record the TOTAL amount in NAIRA the household spent to purchase the CROP SEED used during **2023/24 AGRICULTURAL SEASON**. EXCLUDE transport cost. EXCLUDE SEEDS PURCHASED THAT WERE NOT USED.
12. Select YES if ANY of the CROP SEED purchased were paid for with money from a credit taken elsewhere to purchase the seeds, or if credit was given by the source (trader, organisation), i.e. they were paid for or will be paid for at a later moment. Also select YES if only parts of SEED were purchased on credit.
13. Select from whom the household purchased the CROP SEED used during **2023/24 AGRICULTURAL SEASON**. If there is more than one source, select the source from which the household has purchased most CROP SEED. DO NOT READ OPTIONS.
14. Record in KM the ONE-WAY distance travelled to the main source specified in Q13. Help the respondent estimate if they do not know.
15. Select the MAIN mode of transport used to transport back the purchased CROP SEED to the farm. If the purchased CROP SEED was delivered to the household's farm, select 'NO TRANSPORT/DELIVERED AT THE FARM'.
16. Record the total transportation cost to the household to collect **ALL FREE** seed/tubers/stem during **2023/24 AGRICULTURAL SEASON**. ALL applicable transportation costs should be included. If the household made multiple trips to collect the **FREE** seed/tubers/stem from the source, then add up all the transportation costs to and from the farm, and record.
17. Record the total transportation cost to the household to collect **ALL PURCHASED** seed/tubers/stem during **2023/24 AGRICULTURAL SEASON**. ALL applicable transportation costs should be included. If the household made multiple trips to collect the **PURCHASED** seed/tubers/stem from the source, then add up all the transportation costs to and from the farm, and record.

SECTION 11I: ANIMAL HOLDINGS

Description: This section asks about the animals the household owned or kept during the past 12 months.

Respondent: Owner or caretaker of animals

1. Read out the question text and the answer options one by one, recording for each option if the household raised or owned any animal type in the **PAST 12 MONTHS**. CONSIDER animals that are owned by the household but are raised elsewhere, and animals that are NOT owned by the household but raised by the household. Also select YES if the household raised the animal type at some point in the past 12 months, but currently does not. It does not matter who in the household raises the animal type.
 - CALF - a young cow or bull.
 - HEIFER - a young cow that has not yet given birth to a calf.
 - COW - an adult female cow for producing milk, meat and calf.
 - STEER - a young male cow whose sex organs have been removed (castrated).
 - BULL - adult male cattle.
 - CHICKEN-LAYER – chickens that lay eggs and not necessarily used for meat.

- CHICKEN-LOCAL – local variety of chicken
- CHICKEN-BROILER – chickens that are raised for meat (not egg production).
- CHICKEN-COCKERY – male chicken used for breeding
- Answer all options first before moving on the sub sections.

ANIMAL

One sub section opens for every ANIMAL selected in question 1. MAKE SURE the respondent understands that the questions are about ANIMAL only.

- Record the TOTAL number of ANIMALS that are CURRENTLY kept by the household, independent of who they belong to. INCLUDE animals that are NOT owned by the household but raised by the household. EXCLUDE animals owned by the household but are raised elsewhere.
- Select YES if ALL ANIMALS kept by the household are owned by the household. Select NO if at one or more ANIMALS kept by the household belongs to someone outside the household.
- Record the TOTAL number of ANIMALS KEPT, that are OWNED by the household. EXCLUDE animals owned by the household but are raised elsewhere.
- Select ALL household members who OWN some of the ANIMALS KEPT by the household. All current household members of 5 years of age or older are listed as answer options. NOTE the question asks about ownership, NOT about keeping/managing the animals.
- Select ALL household members who KEEPS/MANAGES the ANIMALS KEPT by the household. This INCLUDES ANIMAL not owned by the household. All current household members of 5 years of age or older are listed as answer options.
- Record the amount in NAIRA the household would receive for ONE animal. MAKE SURE the respondent understands that it is for ONE ANIMAL ONLY. Ask for a REALISTIC value that buyers would also be willing to pay. The question is asking for the market value of the ANIMAL, not what the respondent or the owner would like paid for it. If ANIMALS have different ages and sizes and would result in a different prize, record the AVERAGE.
- Select YES if the household owns ANIMALS that are raised elsewhere, i.e. managed and looked after by non-household members. The household may or may not pay for the service, e.g. pay a herder or borrow out a cow.
- Record the TOTAL number of ANIMALS that are OWNED by the household and kept elsewhere. EXCLUDE animals kept by the household.
- Select ALL household members who OWN some of the ANIMALS kept ELSEWHERE. All current household members of 5 years of age or older are listed as answer options.
- If there is more than one reason, select the MAIN reason why household keeps ANIMALS.
- Record the TOTAL number of ANIMALS that were OWNED by the household 12 MONTHS/3 MONTHS AGO, independent of where they were located. DO NOT INCLUDE animals that were NOT owned by the household but raised by the household. INCLUDE animals that were owned by the household but raised elsewhere. MAKE SURE to use the CORRECT REFERENCE PERIOD. For all POULTRY types (chicken, ducks, turkey, etc) we ask 3 MONTHS AGO, i.e. the same day of the month, 3 months ago, for all other types we ask 12 MONTHS AGO, i.e. the same day of the month, one year ago.

IN/OUT

The reference period for all questions in this sub section depend on the ANIMAL TYPE. MAKE SURE to read the question text with the correct reference period, and that the respondent has understood the difference. For all POULTRY types (chicken, ducks, turkey, etc) we ask the questions for the **PAST 3 MONTHS**, for all other types we ask for the **PAST 12 MONTHS**, i.e. the same day and month one year ago.

14. Record the TOTAL number of ANIMALS that were BORN in the **PAST 3 MONTHS/ PAST 12 MONTHS**, independent of where they are kept. Enter '0' if no animal was born in the reference period.
15. Record the TOTAL number of ANIMALS that were RECEIVED as a GIFT by the household in the **PAST 3 MONTHS/PAST 12 MONTHS**, independent of where they are kept. By gift we mean that the household did not pay anything in cash or kind or had to provide a service in return when the animal was received. Include ANIMALS that were given to the household by a programme where the household had to pay back or give away ANIMAL in the future. Enter '0' if no animal was received as a gift by the household in the reference period.
16. Record the TOTAL number of ANIMALS that were RECEIVED as PAYMENT for services rendered by your household in the **PAST 3 MONTHS/PAST 12 MONTHS**, independent of where they are kept. *EXAMPLE: In return for keeping a cow, the household was given the calf that was born.* Enter '0' if no animal was received as payment in the reference period.
17. Record the TOTAL number of ANIMALS that were PURCHASED by the household in the **PAST 3 MONTHS/PAST 12 MONTHS**, independent of where they are kept. EXCLUDE ANIMAL bought for immediate slaughter. Enter '0' if no animal was purchased to raise by the household in the reference period.
18. Record the TOTAL amount in NAIRA that the household paid for ALL ANIMALS PURCHASED in the **PAST 3 MONTHS/PAST 12 MONTHS**. Estimate the values of in-kind payments. NOTE that the question is NOT asking for the PER animal price, but the total.
19. If the household purchased ANIMALS from different sources, select the one from which they have purchased MOST in the **PAST 3 MONTHS/PAST 12 MONTHS**.
20. Record the TOTAL number of ANIMALS that were given out as a GIFT to anyone outside the household in the **PAST 3 MONTHS/PAST 12 MONTHS**. Enter '0' if no animal was given out as a gift in the reference period.
21. Record the TOTAL number of ANIMALS that were given out as PAYMENT for services received in the **PAST 3 MONTHS/PAST 12 MONTHS**. Enter '0' if no animal was given out as payment in the reference period. Include ANIMALS that were given away as payment that was agreed when ANIMALS was gifted to the household.
22. Record the TOTAL number of ANIMALS that were LOST or STOLEN in the **PAST 3 MONTHS/PAST 12 MONTHS**. INCLUDE all ANIMALS that escaped, disappeared, were killed by predators or were involuntarily taken from the household. EXCLUDE animals that died due to pests. Enter '0' if no animal was lost or stolen in the reference period.
23. Record the TOTAL number of ANIMALS that the household sold ALIVE in the **PAST 3 MONTHS/PAST 12 MONTHS**. Enter '0' if no animal was sold alive in the reference period.
24. Record the TOTAL amount in NAIRA that the household received for ALL ANIMALS sold ALIVE in the **PAST 3 MONTHS/PAST 12 MONTHS**. Estimate the values of in-kind payments. NOTE that the question is NOT asking for the PER animal price, but the total.

25. If the household sold ANIMALS to different buyers, select the one to which they sold the MOST number.
26. Select from the household roster the household member that decides on how earnings received from the sale of LIVE ANIMAL is used. Note that the household member who decides on how the earnings from the sale of LIVE ANIMAL is used may not necessarily be the owner of the ANIMAL.
27. Record the TOTAL number of ANIMALS that the household SLAUGHTERED for sale in the **PAST 3 MONTHS/PAST 12 MONTHS**. EXCLUDE ANIMALS slaughtered for household consumption. Enter '0' if no animal was slaughtered for sale in the reference period.
28. Record the TOTAL amount in NAIRA that the household received for ALL SLAUGHTERED ANIMALS sold in the **PAST 3 MONTHS/PAST 12 MONTHS**. Estimate the values of in-kind payments. NOTE that the question is NOT asking for the PER animal price, but the total.
29. Select from the household roster the household member that decides on how earnings received from the sale of SLAUGHTERED ANIMAL is used. Note that the household member who decides on how the earnings from the sale of SLAUGHTERED ANIMAL is used may not necessarily be the owner of the ANIMAL.
30. Record the TOTAL number of ANIMALS that the household slaughtered for HOUSEHOLD CONSUMPTION in the **PAST 3 MONTHS/PAST 12 MONTHS**. EXCLUDE ANIMALS slaughtered for sale. Enter '0' if no animal was slaughtered for sale in the reference period.

SECTION 11J: ANIMAL COSTS

Description: This section only opens if the household has kept or owned animals in the past 12 months and asks about the costs the household incurred from keeping animals.

Respondent: Owner or caretaker of animals

ANIMAL TYPE

One sub section will be opened for every ANIMAL TYPE kept or owned in the **PAST 12 MONTHS**. All questions in the subsection refer to ALL animals of the ANIMAL TYPE that are kept or owned by the household. The ANIMAL TYPES are defined as follows:

LARGE RUMINANTS - calf, heifers, steers, cows, bulls, oxen

EQUINES - horses and donkeys

SMALL RUMINANTS - sheep and goats

POULTRY - chicken (all types), turkeys, ducks, guinea fowls

NOTE: *If the household has kept cows and calf in the past 12 months, the subsection LARGE RUMINANTS will open and all questions in this subsection refer to BOTH cows and calf.*

DISEASE

1. Select YES if any animal of ANIMAL TYPE suffered from ANY disease in the **PAST 12 MONTHS**, independent of whether any animal died of the disease or not.

2. Select ALL the disease any animal of ANIMAL TYPE suffered from in the **PAST 12 MONTHS**. If the disease is not listed record under OTHER (SPECIFY). The list of disease is filtered by ANIMAL TYPE.
3. Record the TOTAL number of animals from ANIMAL TYPE that died due to ANY disease in the **PAST 12 MONTHS**. EXCLUDE animals that died because of injuries. Enter '0' if no animal died due to disease in the reference period.

OTHER DEATHS

4. Select YES if any animal of ANIMAL TYPE died from any cause (e.g. injuries) other than any type of disease in the **PAST 12 MONTHS**. EXCLUDE animals that were slaughtered for food for the household or to be sold or to be given as a gift.
5. Ask for the cause of death and select up to 2 causes.
6. Record the number of animals of ANIMAL TYPE that died due to other causes of death selected in Q11J.5 in the **PAST 12 MONTHS**.

VACCINATION

7. Select YES if any animal of ANIMAL TYPE was vaccinated in the **PAST 12 MONTHS**. Any type of vaccination method is included.
8. Select ALL the disease any animal of ANIMAL TYPE was vaccinated against in the **PAST 12 MONTHS**. If the disease is not listed record under OTHER (SPECIFY). The list of disease is filtered by ANIMAL TYPE.
9. Record the TOTAL amount in NAIRA the household spent on vaccinating animals of ANIMAL TYPE in the **PAST 12 MONTHS**. Estimate the values of in-kind payments. NOTE that the question is NOT asking for the PER animal price, but the total.

OTHER VETERINARY SERVICES

10. Select YES if any animal of ANIMAL TYPE received ANY other veterinary service in the **PAST 12 MONTHS** apart from vaccination. ONLY consider service from professional veterinarians. CONSIDER advice/medication given to the household without the veterinarian seeing the animals.
11. Record the TOTAL amount in NAIRA that the household spent on veterinarian services other than vaccinating for animals of ANIMAL TYPE in the **PAST 12 MONTHS**. Estimate the values of in-kind payments. NOTE that the question is NOT asking for the PER animal price, but the total.
9. Select YES if the household paid anything in cash or in kind towards the BREEDING of ANIMAL TYPE, e.g. insemination of cows. NOTE that the question is asking if any COSTS was incurred, NOT if the household was breeding ANIMAL TYPE in general.
10. Record the TOTAL amount in NAIRA that the household spent on breeding animals of ANIMAL TYPE in the **PAST 12 MONTHS**. Estimate the values of in-kind payments. NOTE that the question is NOT asking for the PER animal price, but the total.
12. Select the housing system used to keep animals of ANIMAL TYPE. If different systems are used for different animals, select the one in which MOST animals are kept. Select NONE if animals are kept outside without paddock or fences ALL of the time, CONFINED IN SHEDS if they are some of the time kept inside a shed, CONFINED IN PADDOCKS if they are some of the time kept inside a paddock (a fence made from wood, branches, metal that is encircling an area that does not change), CONFINED IN FENCES

if they are some of the time kept inside fences (made of any material and can be changed from time to time to encircle a different area), CAGE/BASKET if they are usually kept in cages/baskets, INSIDE THE HOUSE if they are kept some of the time inside a structure that is also inhabited by members of the household.

13. Select YES if the household paid anything in cash or in kind in the **PAST 12 MONTHS** towards the WATER given to the animals of ANIMAL TYPE. INCLUDE costs incurred for installations (pipes, wells, boreholes) made to provide water to the animals.
14. Record the TOTAL amount in NAIRA that the household spent towards the water for animals of ANIMAL TYPE in the **PAST 12 MONTHS**. Estimate the values of in-kind payments.
15. Ask the respondent the question text, do NOT read out the answer options and select the MOST APPROPRIATE answer option. Probe with the respondent if the feeding method changes throughout the year. FEEDING refers to the household purchasing or producing the food that is given to the animals, GRAZING/SCAVENGING refers to the animals searching for their own food, e.g. by eating grass, seeds, worms, insects.
16. Select ALL household members who were responsible for the feeding of animals of ANIMAL TYPE in the **PAST 12 MONTHS**. By responsible we mean they contributed to purchasing, preparing and providing the food to the animals.
17. Select YES if in the **PAST 12 MONTHS** the household purchased any of the feed for ANIMAL TYPE for cash or in kind. Select NO if ALL feed was self-produced by the household.
18. Record the TOTAL amount in NAIRA that the household spent towards feed for animals of ANIMAL TYPE in the **PAST 12 MONTHS**. Estimate the values of in-kind payments. INCLUDE any transport costs.
19. Select YES if in the **PAST 12 MONTHS** the household paid for anyone outside the household in cash or in-kind to help with keeping animals of ANIMAL TYPE, independent of, if the hired labour helped with the keeping of animals on the household farm (e.g. labourer paid to help milking cows), or if the household paid for animals to be kept off farm (e.g. paid a herder to keep animals elsewhere).
20. Record the TOTAL amount in NAIRA the household spent to HIRE LABOUR for the keeping of animals of ANIMAL TYPE in the **PAST 12 MONTHS**. Estimate the values of in-kind payments and include in TOTAL.
21. Select YES if in the **PAST 12 MONTHS** the household had to pay cash or anything in-kind to any other farmer/household for any damage caused by animals of ANIMAL TYPE, even if the damage was not directly caused by the household. *EXAMPLE, include the wheat household gave to another household because their cows destroyed the wheat field of the other household.*
22. Record the TOTAL amount in NAIRA the household spent to compensate other farmer/households for damage caused by their animals of ANIMAL TYPE in the **PAST 12 MONTHS**. Estimate the values of in-kind payments and include in the TOTAL.
23. Select YES if in the **PAST 12 MONTHS** the household incurred any other costs connected the keeping of animals of ANIMAL TYPE that were NOT for vaccination, veterinarian serviced, breeding, water, feeding, or for hiring labour. DO NOT consider forgone income due to animal loss or death.
24. Record the TOTAL amount in NAIRA of the other costs that the household occurred in the **PAST 12 MONTHS** that are related to the keeping of ANIMAL TYPE. Estimate the values of in-kind payments and include in the TOTAL.

SECTION 11K1: ANIMAL POWER AND DUNG SALES

Description: This section only opens if the household has kept or owned animals in the past 12 months and asks about the sale of animal power and dung.

Respondent: Owner or caretaker of animals

ANIMAL TYPE

One sub section will be opened for every ANIMAL TYPE kept or owned in the **PAST 12 MONTHS**. All questions in the subsection refer to ALL animals of the ANIMAL TYPE that are kept or owned by the household.

EXAMPLE: If the household has kept cows and calf in the past 12 months, the subsection LARGE RUMINANTS will open and all questions in this subsection refer to BOTH cows and calf.

The questions open depending on ANIMAL TYPE.

ANIMAL POWER

1. Select YES if in the **PAST 12 MONTHS** the household has used any animal of ANIMAL TYPE to provide ANY service to others that involved animal power, independent of whether they were paid for or not. Services include but are not limited to animal drawn transport and ploughing. INCLUDE services provided to anyone, including households, businesses or agencies.
2. Record the TOTAL amount in NAIRA that the household received in the **PAST 12 MONTHS** from services provided to others using animals of ANIMAL TYPE. Estimate the values of in-kind payments and include in TOTAL.
- 2a. Ask which household member decides on how payments received from services provided by animal of ANIMAL TYPE are used. Select ALL that apply from the household roster.

ANIMAL DUNG

3. Select YES if in the **PAST 12 MONTHS** the household sold for cash or in kind any dung produced by animals of ANIMAL TYPE to others. If the dung sold cannot be distinguished between ANIMAL TYPE select YES for every ANIMAL TYPE that produced the dung.
4. Record the TOTAL amount in NAIRA that the household received in cash or in kind in the **PAST 12 MONTHS** from selling dung produced by animals of ANIMAL TYPE. Estimate the values of in-kind payments. If the dung sold cannot be distinguished between ANIMAL TYPE, record an estimate of the share of the amount. *EXAMPLE: a household keeps 3 pigs and 1 cow together in a shed and sold the dung produced. In total they earned 2000 Naira. Record 1 quarter (500 Naira under large ruminants, and 3 quarters (1,500 Naira) under pigs.*
- 4a. Ask which household member decides on how payments received from sale of dung/droppings produced by animal of ANIMAL TYPE are used. Select ALL that apply from the household roster.

SECTION 11K2: MILK PRODUCTION

Description: This section only opens if the household has kept or owned in the **PAST 12 MONTHS** any milk producing animals, i.e. cows, goats, sheep or camels. It asks about milking and the use of milk.

Respondent: Owner or caretaker of animals

1. Read out the question text and the answer options one by one, recording for each option if any household member has milked any ANIMAL kept or owned by the household in the **PAST 12 MONTHS**. It does not matter if the animal was milked for household consumption or for sale. The list of answer options is filtered by the ANIMALS kept or owned in the past 12 months.

ANIMAL

4. Record the number of ANIMALS that were milked in the **LAST 12 MONTHS**.
2. Record the AVERAGE number of months in which ANIMALS were milked in the **PAST 12 MONTHS**. If more than one ANIMAL was milked take the AVERAGE value. If it was only during less than one month, record 1. It does not matter if the ANIMALS were milked at the same time. *EXAMPLE: Household A milked goats during different times of the year, one from Jan-Mar (3 months), one from Jun-Jul (2 months) and a third one from Sep-Dec (3 months). Record $(3+2+3)/3=2.66=3$ months. Household B milked 5 cows, all from Mar-Jun (4 months), record 4 months.*
3. Record the AVERAGE number of DAYS PER MONTH on which ANIMALS were milked during those months. NOTE that ANIMAL might be milked more than once per day.
5. Record the AVERAGE number of LITRES of milk milked PER DAY from ALL ANIMALS on any of the days they were milked. If ANIMALS were milked in DIFFERENT periods, you have to add the daily quantities of the individual periods during the day. *EXAMPLE: in household A, if 1 litre was milked from each goat on a normal day, record 3.* If the farmer does not keep records of milk production, it may be difficult to provide daily quantity, the enumerator will have to work with the respondent to determine the daily quantity by probing. Start with monthly or weekly quantity and narrow it down to the daily quantity.
6. Select ALL household members who mainly milked ANIMAL TYPE in the **PAST 12 MONTHS**. The answer options are filtered by current household members.
7. Read out the question and options, then select the applicable responses. The reference period is in the **PAST 12 MONTHS**. Select HOUSEHOLD CONSUMPTION if the milk was mainly consumed by household members, SALES if the milk was mainly sold in the form of milk, and PROCESSING if the milk was mainly processed into dairy products (such as cheese, yoghurt, etc) for own household consumption or sales.
8. Record the answer in LITRES PER WEEK. EXCLUDE milk that was purchased.
10. Record the answer in LITRES PER WEEK.
11. Record in NAIRA the TOTAL amount the household earned PER WEEK from selling the milk. EXCLUDE money received from sales of dairy products.
- 11a. Ask which household member decides on how payments received from sale of milk produced by animal are used. Select ALL that apply from the household roster.
12. Record in LITRES the amount of milk produced by ANIMAL, that was PROCESSED and CONSUMED by the household PER WEEK, during the months ANIMAL was milked.
13. Record in LITRES the amount of milk produced by ANIMAL, that was PROCESSED and SOLD by the household PER WEEK, during the months ANIMAL was milked.
14. Record the average amount in NAIRA, the household earned weekly, from the sale of processed milk during the months ANIMAL was milked. Estimate the value of in-kind payments and include in the average calculation.

- 14a.** Select from the household roster, the household member who decides how the earnings from the sale of processed milk from ANIMAL is used. The household member who makes the decision about how earnings are used may not necessarily be the same person who manages ANIMAL.

SECTION 11K3: EGG PRODUCTION

Description: This section only opens if the household has kept or owned in the **PAST 12 MONTHS** any egg-laying animals, i.e. chicken (layer or local), turkey, duck, guinea or fowls. It asks about egg production and the sale of eggs.

Respondent: Owner or caretaker of animals

- 1.** Read out the question text and the answer options one by one, recording for each option if any POULTRY in the household produced any eggs in the **PAST 12 MONTHS**. It does not matter if the eggs were for household consumption or for sale. The list of answer options is filtered by the POULTRY kept or owned in the past 12 months.

One sub section for every poultry type that has laid eggs in the past 12 months. MAKE SURE the respondent understands the questions are asked about one poultry type at a time ONLY.

- 2.** Record the TOTAL number of MONTHS , POULTRY laid eggs in the **PAST 12 MONTHS**. If POULTRY laid eggs every month for the last 12 months, record '12'.
- 2a.** In the months that POULTRY laid eggs in Q11K3.2, how many weeks on average per month did POULTRY lay eggs. If POULTRY laid eggs for 4 months in the last 12 months, and in the first month laid for 1 week, the second month laid for 2 weeks, the third month laid for 1 week, and the 4th month laid for 1 week, then on average POULTRY laid egg for 1 week per month, so you would select option 1.
- 3.** Record the average number of eggs POULTRY lays in a week. If the respondent provides the total number in a typical month, you can divide by 4, to get the average per week.
- 4.** Record the TOTAL number of POULTRY that laid eggs in the **PAST 3 MONTHS**. MAKE SURE the respondent has understood the reference has changed. CONSIDER animals that started laying eggs prior to the past 3 months, but have not yet finished.
- 4a.** For POULTRY that laid eggs in the **PAST 3 MONTHS**, record the number of eggs in total laid by POULTRY.
- 5.** Select YES if the household sold for cash or in-kind any POULTRY eggs from their animals in the **PAST 3 MONTHS**. ONLY include eggs from animals kept by the household.
- 6.** Record the TOTAL number of POULTRY eggs the household sold for cash or in kind in the **PAST 3 MONTHS**. NOTE that we ask for the TOTAL over 3 months, not a weekly or monthly number.
- 7.** Record ALL household members who were responsible for the sale of POULTRY eggs in the **PAST 3 MONTHS**. By responsible we mean conducting the sale and managing the income earned from the sales.
- 8.** Record in NAIRA the TOTAL amount the household has earned from selling POULTRY eggs of their animals in the **PAST 3 MONTHS**. Estimate the values of in-kind payments and include in TOTAL.
- 8a.** Select from the household roster, the household member who decides how the earnings from the sale of POULTRY is used. The household member who makes the decision about how earnings are used may not necessarily be the same person who manages POULTRY.

SECTION 11L1: EXTENSION SERVICES

Description: This section only opens for agricultural households and asks about agriculture related information and trainings the household has received in the **PAST 12 MONTHS**.

RESPONDENT: Knowledgeable adult household member.

1. Read out the question text and the answer options one by one, recording for each option if anyone in the household received advice on TOPIC from outside the household in the **PAST 12 MONTHS**. Receiving advice here includes both receiving shared information and receiving training on TOPIC. It does not matter from whom the household received advice on TOPIC. Also, households can have received advice from the same source on several TOPICS.

TOPICS

One sub section for every TOPIC the members of the household received advice on in the **PAST 12 MONTHS**.

2. Record the MAIN source of advice on TOPIC. If the household received information on TOPIC from several sources, record the one from which they received most information or training. PROBE with the respondent and ensure you have selected the correct category.

AGRICULTURAL EXTENSION SERVICE – technical assistance, advice or a demonstration of new agricultural techniques given to a farmer or group of farmers to improve productivity, it can be given by the government, or private organizations, such as companies demonstrating their equipment. MAKE sure to select the correct provider.

AGRICULTURAL COOP/FARMERS' ASSOC – any form of farmer/producer cooperative or association centered around agricultural production, a member could (but does not have to) be a member of

FISHING COOP – same as above but centered around fishing

FARMER FIELD DAYS/FIELD SCHOOL – a day that both the extension worker and a group of farmers agree for training and practicing new farming procedures

VILLAGE AGRICULTURAL EXTENSION MEETING – This is a meeting between a group of farmers and an agricultural extension officer, which usually takes place in the village.

AGRICULTURAL EXTENSION COURSE – A course in agriculture that can be for a short time or extended time. It may or may not be formal, but structured.

LEAD FARMER – a farmer who is the most active in growing certain crop or who has the largest plot of a certain crop or an outstanding farmer in a community that most farmers look up to. They might also be the first to try a new agricultural technology.

PEER FARMER (NEIGHBOR/RELATIVE) – any other farmer usually in the same community, and growing the same or similar crops

ELECTRONIC MEDIA (TV, RADIO, ETC.) – including the internet

PAPER MEDIA (HANDOUTS / FLYERS) – only select the option if the print media was the primary source of information. If they received print media on the farmer day, but the farmer day was the main source of information, select FARMER DAY.

SECTION 11L2: EXTENSION SOURCES

Description: This section is a continuation of the previous Section 11L1 and asks details about the sources from whom the household has received information and trainings.

RESPONDENT: Knowledgeable adult household member.

SOURCES

One sub section for every SOURCE of advice selected in Section 11L1. Each selected SOURCE will only be displayed ONCE, even if information on more topics or in several instances was received from SOURCE. All questions in this sub section ask about ALL the times that ANY member of this household has received advice on ANY topic from this SOURCE.

2. Select ALL household members who received advice on ANY topic in the **PAST 12 MONTHS**. ONLY select members that DIRECTLY received advice from SOURCE, not indirectly via members who received it directly.
3. The question is only asked for some SOURCES. Record the TOTAL number of times anybody from SOURCE visited any household member's farm in the **PAST 12 MONTHS**. ONLY consider visits to either the dwelling or plots of any of the household members. The visit does NOT have to be EXCLUSIVE to the household. EXCLUDE general visits to the community in which the household was not specifically visited. Consider visits of any length, and independent on what was done during the visit. Enter '0' if the household was never visited by SOURCE.
4. Record the TOTAL number of visits recorded in 3 that the household explicitly asked for, either directly to the SOURCE or via community leaders. Enter '0' if the household did not explicitly ask for any visit. Note, the question is referring to the response in Q11L2.3, and not how many times the household has requested for a visit by SOURCE in general.
5. The question is only asked for some SOURCES. Record the TOTAL number of times ANY household member went to visit or meet with SOURCE in the **PAST 12 MONTHS**. ONLY consider visits AWAY from the dwelling or plots of any of the household members. The visit does NOT have to be EXCLUSIVE, i.e. other farmers or households may have visited at the same time. Count each visit ONLY ONCE, even if more than one household member visited SOURCE. Enter '0' if no household members visited SOURCE.
6. The question is only asked for some SOURCES. Record the TOTAL number of times ANY household member went to attend a meeting of SOURCE in the **PAST 12 MONTHS**. Meetings are normally not EXCLUSIVE, i.e. other farmers or households also attend the same meeting. Count each meeting ONLY ONCE, even if more than one household member attended the meeting. Enter '0' if no household members attended a meeting by SOURCE.
7. Select YES if ANY household member paid anything in cash or in kind to receive advice from SOURCE in the **PAST 12 MONTHS**. INCLUDE any costs from SOURCE, such as a consultancy, entry, subscription fee, books, brochures, etc. EXCLUDE transportation costs to SOURCE or meetings, as well as costs for radio, internet and mobile phone, unless they were specifically purchased to receive advice from SOURCE.
8. Record in NAIRA the TOTAL amount paid to receive advice from SOURCE. Estimate any in-kind payments and include in TOTAL.
9. Do NOT read out the answer options. PROBE with the respondent to find the most appropriate answer option. *EXAMPLE: If the respondent says USEFUL, check if it was VERY USEFUL OR SOMEWHAT USEFUL.*

SECTION 12: DIGITAL FARMING INFORMATION

Description: This module is trying to measure farmers access, use, and experience with digital farming services in the 2023 rainy season (i.e. from April until now). We are focusing on 2 types of services here: (1) services that provide farm-related information or advice (e.g., weather information, advice on livestock feeding practices or crop management practices, information on the market, etc.), and (2) services that rent or sell farm-related inputs (e.g., fertilizer, chemicals, seeds, livestock feed, etc.) and/or equipment (e.g., solar pump or tractor).

To be considered as a “digital farming service”, the service must: (1) have at least one aspect of its offering being provided through a mobile phone or an agent with a digital device (e.g., tablet, laptop, etc.), or (2) be offered by a company, community group, or organization. Please read the below guidance carefully, and make sure that you are giving farmers additional context and examples when required.

Instruction: This module will only appear to the households interviewed (or attempted to be interviewed) in Round 7 of the National Longitudinal Phone Survey (NLPS). The most knowledgeable farmer should be interviewed.

1. *Did your household seek or receive information or advice for your farm during this 2023 rainy season (from April until now)?*

Select YES if the household received information or advice to help with their farm in the **2023/24 RAINY SEASON**. Any type of information or advice from individual or organization should be included. Please provide examples for the respondent: “i.e., this can be weather information, training on how to plant or manage crops, advice on how to feed livestock, information on what seeds to use, etc.”

READ OUT: We want to understand farmers’ experiences of working with organizations and community groups that provide helpful advice and information to farmers using a digital device (e.g. a mobile phone). They can be delivered directly to a mobile phone or through an agent (e.g. extension working or agrovet) that has a digital tool like a tablet, phone, computer, video, or projector.

2. *Did your household seek or receive this information or advice in any of the following ways:*
Read out the question and response options. Select the most applicable option. Please provide examples for the respondent: “i.e. this can be SMS weather information that is sent to your phone, an app where you can input data and it gives advice on farming practices, an extension agent with a tablet that show training videos, etc.” If option 1 is selected please go to Q4, if option 4 is selected go to FILTER4.

3. *Can you tell us more about who the agent(s) worked with? Were they:*
This question opens up if options 2 or 3 is selected in Q2. Ask if the agent that assisted the household to **receive this information or advice** for their farm, was working for themselves, an organisation, a community group, a cooperative, or a bank, etc. Select ALL the options that apply.

4. *How did you use a mobile phone? What is it through:*
Ask the respondent how they sought or received information on their mobile phone. Read out the question and options. Select ALL that apply.

5. *Can you tell us more about who shared information on your mobile phone? Were they:*
Read out the question and response options. Ask the respondent to give more details on who provided the information or advice service for the household’s farm. Was it a private company, a cooperative, a

government program, a financial institution, an NGO, or someone else. Select ALL that apply. If ONLY option 6 or 7 are selected, go to Q21.

READ OUT: I will now ask you about your experience with this organization(s), community group(s), or agent(s) who shared information or advice using a digital device. Going forward, I will refer to them as a digital information provider. Examples of these providers include Ignitia, Hello Tractor, SmartFarm, or Rice Advice.

8. *What type of information or advice did you receive from this 2023 rainy season (from April until now)?*
Select ALL that apply from the list. Remind the respondent that the information can be anything that is related to their farm operations or activities.

- Weather information: for example, when it will rain or when to plant or harvest
- Market information: for example, market location or market prices
- Inputs and equipment information: for example, availability of inputs, quality and specifications of inputs, or prices
- Crop management practices: for example, plant health and disease management, good farming practices and techniques or seed selection
- Livestock management practices: for example, livestock health and disease management, breeding, feeding, or techniques to improve outcomes
- Farm credit and borrowing related information: for example, sources of borrowing, loan terms, or repayment terms
- Farm insurance related information: insurance product details, how to make a claim, or premium payment terms
- Something else (specify)

7. *Can you share the names of the digital information provider(s) you worked with in this 2023 rainy season (from April until now)?*

Please record the NAME of the digital information provider(s) that the farmer worked with in the **2023/24 RAINY SEASON**. It is okay if they can only guess the name. Write DON'T KNOW if they do not know the name.

9. *How often did you receive information or advice for your farm from the digital information provider(s) exactly when you needed it?*

Read the question and response options. The question wants to know how frequently the **digital information provider** responded when the household made a request for information or service, or provided information at the right time in the season (e.g. rain forecast before planting). If the respondent says “now and again”, select SOME OF THE TIMES.

10. *Would you say that the information or advice from the digital information provider(s) was:*

Read the question and response options. Ask the respondent to rate the value of the information or advice provided by the **digital information provider**. If they say the information or advice was “so-so”, select NEITHER TRUSWORTHY NOR UNTRUSTWORTHY.

11. *Did the digital information provider(s) charge your household for the information provided during this 2023 rainy season (from April until now)?*

Select YES, if the **digital information provider** was paid for the information or service provided to the household. This payment could have been in cash or in-kind.

12. *Did you think the price charged by the digital information provider(s) was:*

Read the question and response options. Ask the respondent to rate the cost of the information or service charged by the **digital information provider** to the household. If the respondent says it was bad, select POOR. “Too expensive” is VERY POOR and “Very affordable” is VERY GOOD.

13. *On a scale of 0-10, how likely is it that you would recommend the digital information provider(s) to a friend, where 0 is not at all likely and 10 is extremely likely?*
Ask the respondent to rate their likelihood of recommending the **digital information provider** to a friend or neighbour. A numerical response is required, but if the respondent says “maybe”, this would be a halfway point on the scale, so you can push further and say “would you give say about 5 or 6”. “0” is not at all likely, and “10” is very likely. If a respondent is happy with the service but answers “0”, probe further to ensure respondent is understanding the question.
14. *How would you feel if you could no longer use the digital information provider(s)? Would you be:*
Read the question and response options. Ask the respondent to rate their disappointment level if the **digital information provider** was no longer available or accessible to their household. Get the respondent to imagine what life would be like without the product—if they say they can go on without feeling a loss, it should be NOT AT ALL DISAPPOINTED. Please probe further to avoid selecting the option “cannot say”.
15. *Has interacting with the digital information provider(s) changed your comfort with using digital tools for farming?*
Select YES, if the household is more comfortable with using digital tools for farming because of their interaction with the **digital information provider**.
16. *How has the interaction changed your comfort level with using digital tools for farming? Are you now:*
Read the question and response options. Ask the respondent to describe the household’s level of comfort with using digital tools since interacting with the **digital information provider**.
17. *Think about all your farm-related information and advisory needs. Did the digital information provider meet none, some, most, or all your needs?*
Select the option that best describes how well the digital information provider met their farm-related advisory needs. NONE OF MY NEEDS means the service did not address ANY of the farmers information needs.
18. *Overall, has your experience this 2023 rainy season (from April until now) been much better, slightly better, the same, slightly worse or much worse because of the digital information provider(s)*
Select the option that best describes the household’s overall experience this **2023/24 RAINY SEASON** since interacting with and using services or advice provided by the digital information provider.
19. *Did using the digital information provider(s) make it much easier, slightly easier, neither easier or harder, slightly harder or much harder for you to gather information or advice for your farm this 2023 rainy season (from April until now)?*
Ask the respondent to describe the level of ease for the household to gather information or advice this 2023/24 RAINY SEASON with the assistance of the digital information provider.
20. *Other than information and advice related to farming, did you also receive other farming-related services from the digital information provider(s) this 2023 rainy season (from April until now)? Did you receive:*
Read out the question and response options. Ask the respondent if they received any other services from the digital provider(s) other than information and advice on farming. Select all that apply. (By DIGITAL WALLET, we mean did they purchase or receive payment digitally)

- 21.** *If not through a company or organization, who did you contact for farm-related advice using a mobile phone or an agent with a digital device?*
This question is activated if FILTER 3 is YES. Ask the respondent who the household contacted for farm-related advice using a mobile phone. Select ALL that apply.
- 22.** *From whom did you seek or receive farm-related information or advice this 2023 rainy season (from April until now)?*
This question is activated if FILTER 4 is YES. Ask the respondent who they received farm-related information or advice from this season. Select ALL that apply.
- 23.** *What type of information or advice did you receive from this 2023 rainy season (from April until now)?*
Select the best description of the information or advice the household received using the mobile phone or an agent with a digital device. Remind the respondent that the information can be anything that is related to their farm operations or activities. See response options in Q8 for your reference.
- 24.** *Do you know of any providers (e.g. companies or organisations) that share farm-related information with farmers on a mobile phone or through an agent with a digital device?*
This question is asked if FILTER 4 is YES or Q1 is NO. You can provide examples like Ignitia, Hello Tractor, SmartFarm, or Rice Advice. Select YES, if the respondent knows of any organizations or bodies that provide farm-related advice to farmers through a mobile phone or through an agent with a digital device.
- 25.** *Who are these providers?*
Write down the names of the providers (e.g., companies or organisations) that share farm-related information with farmers on a mobile phone or through an agent with a digital device.
- 26.** *Did you have access to any of these providers this 2023 rainy season (from April until now)?*
This question is asked if Q24 is YES. Select YES if they had ACCESS (i.e., they could use the services if they wanted) to the services the provider was offering during the 2023/24 RAINY SEASON.
- 27.** *Which providers did you have access to?*
Record the names of the companies or organizations providing farm-related services via mobile phone or through an agent with a digital device that the household had access to this 2023/24 RAINY SEASON.
- 28.** *If not this season, has your household ever sought or received information or advice from a provider (e.g. organization or company) that shares farm-related information on a mobile phone or through an agent with a digital device?*
Select YES, if the household has ever asked for or received information or advice for the farm from a company or organization that shares farm-related information on a mobile phone or through an agent with a digital device. There is no reference period for this question, we are interested on capturing if they have ever sought or received information or advice from a digital provider.
- 29.** *Can you tell us more about the organization(s) or community groups who shared information on your mobile phone or through an agent with a digital device? Were they:*
Ask the respondent to give more details on who provided the information or advice service for the household farm. Was it a private company, a cooperative, a government program, a financial institution, an NGO, or someone else. Select ALL that apply.

READ OUT: Thank you. Now I would like to ask about your experience of renting or purchasing inputs or equipment for your farm this 2023 rainy season (from April until now).

30. *Did your household rent or purchase crop/livestock inputs or equipment for your household's farm this 2023 rainy season (from April until now)?*

If the household purchased or rented crop/livestock inputs or equipment or both, then select the appropriate option(s). Inputs include seeds, fertilizer, livestock feeds, livestock medicines, and more; and equipment includes this like a water pump or tractor, and more.

READ OUT: Thank you. We want to understand farmers' experiences of working with organizations and community groups that provide inputs or equipment to farmers using a digital device (e.g. a mobile phone). These can be arranged directly through a mobile phone or through an agent (e.g. extension working or agrovet) that has a digital tool like a tablet, phone, computer, video, or projector

31. *Did your household rent or purchase crop/livestock inputs or equipment for your household's farm in any of the following ways:*

Read out the question and response options. Select the most applicable option. Make it clear that the inputs or equipment could be RENTED or PURCHASED. Please provide examples for the respondent: "i.e. this can be purchasing seeds or fertiliser using an app or on a web platform (e.g. Farmcenta or Farmcrowdy), paying for chemicals (e.g. Farmpack) on a mobile phone, coordinating transportation of a water pump on a mobile phone." If option 1 is selected please go to Q33, if option 4 is selected go to FILTER8.

32. *Can you tell us more about who the agent(s) worked with? Were they:*

This question opens up if options 2 or 3 are selected in Q31. Ask if the agent that assisted the household to provide inputs or equipment for their farm, was working for themselves, an organisation, or a community group, a cooperative, or a bank, etc. Select ALL the options that apply.

33. *How did you use a mobile phone? Was it through:*

Ask the respondent how they rented or purchased crop/livestock inputs or equipment on their mobile phone. Read out the question and options. Select ALL that apply.

34. *Can you tell us more about who your household rented or purchased crop/livestock inputs or equipment from on your mobile phone? Were they:*

Ask the respondent to describe the organization or community group the agent was affiliated with. Read out the question and response options. Was it a private company, a cooperative, a government program, a financial institution, an NGO, or someone else. Select ALL that apply. If ONLY option 6 or 7 are selected, go to Q49.

READ OUT: I will now ask you about your experience with this organization(s), community group(s), or agent(s) who you rented or purchased crop/livestock inputs or equipment from using a digital device. Going forward, I will refer to them as a digital seller. Examples include Farmcenta, Farmcrowdy, Farmpack, etc.

37. *What activities related to renting or purchasing crop or livestock inputs or equipment did you do with the digital seller(s) this season?*

Select the activities the household did with the digital seller this 2023/24 RAINY SEASON. Activities can range from gathering information on the types of inputs or equipment to purchase, accessing credit for purchasing inputs or equipment, ordering inputs or equipment, arranging transport of inputs or equipment, etc.

- 36.** *What specific digital seller(s) did you use in this 2023 rainy season (from April until now)?*
Please record the NAME of the digital seller(s) that the farmer worked with in the 2023/24 RAINY SEASON. It is okay if they can only guess the name. Write DON'T KNOW if they do not know the name.
- 38.** *How often did you receive your crop or livestock inputs or equipment from the digital seller(s) exactly when you needed them?*
Read the question and response options. The question wants to know how frequently the digital seller responded when the household made a request for inputs or equipment, or provided inputs or equipment at the right time in the season/when they needed them. If the respondent says “now and again”, select SOME OF THE TIMES.
- 39.** *Would you say that the digital seller(s) was:*
Read the question and response options. Ask the respondent to rate the trustworthiness of the digital seller, based on their professional/work interaction with them/quality of inputs or equipment they provide.
- 40a.** *Did the digital seller(s) charge your household for the inputs or equipment provided during this 2023 rainy season (from April until now)?*
Select YES, if the digital seller(s) was paid for the inputs or equipment provided to the household. This payment could have been in cash or in-kind.
- 40.** *Did you think the price charged by the digital seller to rent or purchase crop or livestock inputs or equipment was:*
Read the question and response options. Ask the respondent to rate the cost of the inputs or equipment provided by the digital seller to the household and any additional services (i.e. membership fees, service costs, etc). If the respondent says it was bad, select POOR. “Too expensive” is VERY POOR and “Very affordable” is VERY GOOD.
- 41.** *On a scale of 0-10, how likely is it that you would recommend the digital seller(s) to a friend, where 0 is not at all likely and 10 is extremely likely?*
Ask the respondent to rate their likelihood of recommending the digital seller to a friend or neighbour. A numerical response is required, but if the respondent says “maybe”, this would be a halfway point on the scale, so you can push further and say “would you give say about 5 or 6”. “0” is not at all likely, and “10” is very likely. If a respondent is happy with the service but answers “0”, probe further to ensure respondent is understanding the question.
- 42.** *How would you feel if you could no longer use the digital seller(s)? Would you be:*
Select the option that best describes the household’s level of disappointment if they could no longer use or access the services of the digital seller. Get the respondent to imagine what life would be like without the product—if they say they can go on without feeling a loss, it should be NOT AT ALL DISAPPOINTED. Please probe further to avoid selecting the option “cannot say”.
- 43.** *Has interacting with the digital seller(s) changed your comfort with using digital tools for farming?*
Select YES, if the household is more comfortable with using digital tools for farming because of their interaction with the digital seller.
- 44.** *How has the interaction changed your comfort level with using digital tools for farming? Are you now:*
Read the question and response options. Ask the respondent to describe the household’s level of comfort with using digital tools since interacting with the digital seller.

45. *Think about all your needs related to buying crop/livestock inputs or equipment. Did the digital seller(s) meet none, some, most, or all your need?*
Select the option that best describes how much of the household's needs the digital seller met in renting or selling crop/livestock inputs or equipment. NONE OF MY NEEDS means the service did not address ANY of the farmers inputs or equipment needs.
46. *Overall, has your experience this 2023 rainy season (from April until now) been much better, slightly better, the same, slightly worse or much worse because of the digital seller(s)?*
Select the option that best describes the household's overall experience this 2023/24 RAINY SEASON since interacting with and using services provided by the digital seller
47. *Did using the digital seller(s) make it easier or harder for you to receive crop or livestock inputs or equipment this 2023/24 agricultural season?*
Ask the respondent to describe the level of ease for the household to purchase or rent inputs or equipment this 2023/24 RAINY SEASON with the assistance of the digital seller.
48. *Other than renting or purchased farm inputs or equipment, did you also receive other farming-related services from the digital seller(s) this 2023 rainy season (from April until now)? Did you receive:*
Read out the question and response options. Ask the respondent if they received any other services from the digital seller(s) other than farm-related inputs or equipment. Select all that apply. (By DIGITAL WALLET, we mean did they purchase or receive payment digitally)
49. *If not through a company or organization, who did you contact to purchase or rent crop or livestock inputs or equipment using a mobile phone?*
This question is activated if FILTER 7 is YES. Ask the respondent who the household contacted for farm-related inputs or equipment using a mobile phone. Select ALL that apply.
50. *From whom did you rent or purchase crop or livestock inputs or equipment this 2023 rainy season (from April until now)?*
This question is activated if FILTER 8 is YES. Ask the respondent to give more details on who provided the inputs or equipment service for the household farm. Was it a private company, a cooperative, a government program, a financial institution, an NGO, or someone else. Select ALL that apply.
51. *What activities related to renting or purchasing crop or livestock inputs or equipment did you do this 2023 rainy season (from April until now)?*
Select the activity(ies) related to renting or purchasing inputs or equipment that best describes what the household did this 2023/24 RAINY SEASON. Activities can range from gathering information on the types of inputs or equipment to purchase, accessing credit for purchasing inputs or equipment, ordering inputs or equipment, arranging transport of inputs or equipment, etc.
52. *Do you know of any providers (e.g. companies or organisations) that rent or sell crop or livestock inputs or equipment on a mobile phone or through an agent with a digital device?*
Select YES, if the respondent knows of any organizations or bodies that provide farm-related inputs or equipment through a mobile phone or through an agent with a digital device. You can use examples like Farmcenta, Farmcrowdy, Farmpack, etc.
53. *Who are these providers?*
Write down the names of the providers (e.g., companies or organisations) that rent or sell crop or livestock inputs or equipment on a mobile phone or through an agent with a digital device.

54. *Did you have access to any of these providers this 2023 rainy season (from April until now)?*
Select YES if the respondent if they had ACCESS (i.e. they could use the services if they wanted) to the services the provider was offering during the 2023/24 RAINY SEASON.
55. *Which providers did you have access to?*
Record the names of the companies or organisations providing farm-related inputs or equipment via mobile phone or through an agent with a digital device that the household had access to this 2023/24 RAINY SEASON.
56. *If not this season, has your household ever rented or purchased inputs or equipment from a provider (e.g. organization or company) that sells crop/livestock inputs or equipment on a mobile phone or through an agent with a digital device?*
Select YES if the household has ever received crop/livestock inputs or equipment from a provider (e.g. organisation or company) that sells crop/livestock inputs or equipment on a mobile phone or through an agent with a digital device. There is no reference period.
57. *Can you tell us more about the organization(s) or community group(s) who you rented or purchased crop/livestock inputs or equipment from using mobile phone or through an agent with a digital device? Were they:*
Select the option that best describes who the household contacted for inputs or equipment in Q54.

READ OUT: Thank you! I have a few final questions about your other farming activities this season, and some basic profile questions.

58. *Which of these farming or livestock activities did you do this season?*
Select ALL the farming or livestock activities the household engaged in this 2023/24 RAINY SEASON.
59. *Did you sell crops, livestock, and/or livestock products with the help of a provider (e.g. organization or company) that sells your produce or shares information on buyers or prices using a mobile phone or through an agent with a digital device?*
This question opens if Option 1 was selected in Q58. Select YES if the household sold crops, livestock and/or livestock products with the help of a provider e.g., organization or company) that sells your produce or shares information on buyers or prices using a mobile phone or through an agent with a digital device.
60. *Did you have access to any of these providers in the current 2023 rainy season (from April until now)?*
Select YES if the respondent if they had ACCESS (i.e., they could use the services if they wanted) to the services the providers in Q59.
61. *Did you buy or manage insurance for your farm with the help of a provider (e.g. organization or company) that sells insurance on a mobile phone or through an agent with a digital device?*
This question opens if Option 2 was selected in Q58. Select YES if the household bought or manage insurance for your farm with the help of a provider (e.g., organization or company) that sells insurance on a mobile phone or through an agent with a digital device.
62. *Did you have access to any of these providers in the current 2023 rainy season (from April until now)?*
Select YES if the respondent if they had ACCESS (i.e., they could use the services if they wanted) to the services the providers in Q61.

63. *Did you borrow or manage credit for your farm with the help of a provider (e.g. organization or company) that provides credit on a mobile phone or through an agent with a digital device?*
This question opens if Option 3 was selected in Q58. Select YES if the household borrowed or managed credit for your farm with the help of a provider (e.g., organization or company) that provides credit on a mobile phone or through an agent with a digital device.
64. *Did you have access to any of these providers in the current 2023 rainy season (from April until now)?*
Select YES if the respondent if they had ACCESS (i.e., they could use the services if they wanted) to the services the providers in Q63.
65. *Imagine you have an emergency, and you need to come up with 100,000 Naira within the month. How easy or difficult would it be to come up with this money next month?*
The respondent should imagine that an unexpected event happens, and the household is required to get 100,000 Naira to solve the problem. Ask how easy or difficult it would be for the household to come up with 100,000 Naira for an emergency situation next month if required. Select the option that most applies the respondent's reality.
66. *What would be your main option for coming up with 100,000 Naira in the next month?*
Ask what the most likely option would be for the household to access the emergency 100,000 Naira. The household may have multiple sources they can reach out to for the 100,000 Naira, so ask for the one they would think about approaching first. Select the option that best describes the respondent's answer.
67. *Which of the following was your household's main source of income in the last 6 months?*
Ask which of the listed sources provided income for the household in the **LAST 6 MONTHS**. Only the MAIN source of income is required, so if the respondent says there were several sources, ask for the one that contributed the most to the household's total income. If the respondent mentions farming income, clarify if this is income is from selling crops, or selling livestock produce.
68. *Think about all the crops, livestock and/or livestock products your household sold in the last 12 months. How was the price at which your household sold most of the products decided? Was it decided:*
Read the options and select 1 response. The household may have multiple answers but ask them to reflect on how the price was decided for MOST of the products they sold in the last 12 months.

CONTACT

Description: This section collects up to date contact information for household members and reference persons, to facilitate future contacts with the household.

1. *In order for us to be able to contact you in the future, could you kindly provide us with your telephone numbers?* Record name and telephone of first household member.

2b-2c. *Is there another adult member of the household that can provide us with a phone number for contact?* Record name and telephone of up to two additional household members.

3a. *If you were to move in the next two years, who are the people in this community who would be most likely to know your new address?* Record contact information for up to 2 reference persons who are most likely to know the new address of the household, in case they move within the next 2 years.

SECTION R: RESULT OF THE INTERVIEW

Description: Needs to be completed for EVERY interview file at the end of the interview or the interview attempt to record the FINAL status. All questions are interviewer options and are NOT to be read out to the respondent.

1. Record the FINAL result of the interview. The list of answer options is filtered based on the answers in Section START. For interviews where you were given consent, select

COMPLETE for interviews that were completed normally, i.e. you managed to answer all questions and sections.

PARTIALLY COMPLETE (REFUSED) if started an interview, but the respondent(s) refused during the interview and you could not complete it. The interview will contain unanswered questions.

PARTIALLY COMPLETE (UNAVAILABLE) if started an interview, but in all your revisits no respondent was available to complete it. ONLY SELECT AS A LAST RESORT. The interview will contain unanswered questions.
2. Specify the reasons why the questionnaire is partially completed and your attempts you have made to complete it.
3. If you have not been able to interview the household, specify the reasons and what you have done to interview the household.
- 4./5. If you have not been able to interview the household, provide the phone number and name and relationship/position of a LOCAL reference person that can verify the status and your attempts. Do NOT put yourself or team members. This can be e.g. the respondent themselves if they refused, the neighbors if they have moved away, the local leader who can confirm that such a household does not exist.

COMPLETE

Description: The “section” Complete is a Survey Solutions generated section that allows you to verify and submit the interview. BEFORE submitting the interview, first VERIFY that you have completed all sections and questions that needed to be completed and that there are no errors that can be fixed. Under the header QUESTION STATUS, you find three numbers in different colors that help you do that.

On the left, in blue you find the total number of questions that have been answered in the interview file. You will see that the number differs between interviews, and depends on how many members, consumption items, plots, etc. a household had.

In the MIDDLE, in BLACK you see the number of UNANSWERED questions. At the end of an interview the number should normally be 0, meaning you have answered all questions. There are however circumstances where it is OK to submit interview files with missing questions, for example if the respondent refused half way through the interview. To FIND the unanswered questions, click on the navigation menu on the left and look for sections that are marked in BLUE, they are the sections that have unanswered questions or subsections. After you have answered all questions on one section, the section will turn green and the questions will not be counted as unanswered in the Complete screen.

On the RIGHT, in RED you see the count of questions with outstanding ERROR(s). BEFORE submitting an interview file, MAKE SURE you have **ADDRESSED ALL ERRORS**, by looking at the error message and the answer(s) given, making sure the answer(s) have been recorded correctly, and checking with the respondent that the answer(s) given are correct. If the error still persists after going through the steps, you MUST LEAVE a **COMMENT** to confirm and/or explain more details about the answer. After having addressed all outstanding questions with errors, they should either not display an error message or have a comment.

You can FIND questions with outstanding errors in two ways: First, they are listed under the heading ENTITIES WITH ERRORS. Clicking at each item will take you to the question with an error. Second, you can click on the navigation menu on the left and look for sections that are marked in RED. Whenever a section or subsection contains at least one question with an error message the section or subsection will turn RED in the navigation menu and in the header.

You can report any irregularities with the interview in the field NOTE FOR SUPERVISOR. This is optional. Report anything that might be of interest to the supervisor and data verifier, e.g. that the interview was conducted late in the evening, or that the respondent was not very cooperative.

AFTER you have verified that ALL required questions are answered and have addressed all errors you can SUBMIT the interview file by marking it as COMPLETE. You do this by clicking at the COMPLETE button. After having clicked, Survey Solutions will take you back to the dashboard and the file will be listed in the COMPLETE tab. NOTE that this complete button is DIFFERENT to the complete STATUS in the Section Result of Interview. To submit ANY interview file you have to click on the complete button, including interviews that were refused, unable to track, etc.

Appendix 1: List of Occupations and Codes

S/N	International Standard Classification of Occupations	Code
1	Legislators	1110
2	Senior Government Officials	1120
3	Traditional Chiefs & Head of Villages	1130
4	Senior Officials of Political Party Organization	1141
5	Senior Official of Employers, workers and other Economic Interest Organizations	1142
6	Senior Officials of Humanitarian and other Special-Interest Organizations	1143
7	Directors & Chief Executives	1210
8	Production & Operations Managers	1221
9	Finance and Administration Managers	1222
10	Personnel and Industrial Relations Managers	1223
11	Sales and Marketing Managers	1224
12	Advertising and Public Relations Managers	1225
13	Supply and distribution Managers	1226
14	Computing Services Managers	1227
15	Research and Development Managers	1228
16	Other Specialized Managers	1229
17	General Managers in Agriculture	1311
18	General Managers in Manufacturing	1312
19	General Managers in Construction	1313
20	General Managers in Retail & Wholesale Trade	1314
21	General Managers in Restaurants and Hotels	1315
22	General Managers in Transportation	1316
23	General Managers in Business Services Firms	1317
24	General Managers in Personnel Care, Cleaning Repairs and Related Services	1318
25	Physicists and Astronomers	2111
26	Meteorologists	2112
27	Chemists	2113
28	Geologists and Geophysicists	2114
29	Mathematicians and Related Professionals	2121
30	Statisticians	2122
31	System Designers and Analysts	2131
32	Computer Programmers	2133
33	Other Computing Professionals	2139
34	Architects, Town and Traffic Planners	2141
35	Civil Engineers	2142
36	Electrical Engineers	2143
37	Electronic and Telecommunications Engineers	2144
38	Mechanical Engineers	2145
39	Chemical Engineers	2146
40	Mining Engineers, Metallurgists and Related Professionals	2147
41	Cartographers and Surveyors	2148
42	Other Architects, Engineers and Related Professionals	2149
43	Biologists, Botanists, Zoologists & Related Professionals	2211
44	Bacteriologists, Pharmacologists & Related Professionals	2212
45	Agronomists and Related Professionals	2213
46	Medical Doctors	2221
47	Dentists	2222

S/N	International Standard Classification of Occupations	Code
48	Veterinarians	2223
49	Pharmacists	2224
50	Other Health Professionals (Except Nursing)	2229
51	Nursing and Midwifery Professionals	2230
52	Colleges, University & Higher Education Teaching Professional	2310
53	Secondary Education Teaching Professionals	2320
54	Primary Education Teaching Professionals	2331
55	Pre-primary Education Teaching Professionals	2332
56	Special Education Teaching Professionals	2340
57	Education Methods Specialists	2351
58	School Inspectors	2352
59	Other Teaching Professionals not Elsewhere Classified	2359
60	Accountants	2411
61	Personnel and Careers Professionals	2412
62	Other Business Professionals	2419
63	Lawyers	2421
64	Judges	2422
65	Other Legal Professionals	2429
66	Archivists and Curators	2431
67	Librarians and Related Professionals	2432
68	Economists	2441
69	Sociologists, Anthropologist & Related Professionals	2442
70	Psychologist	2445
71	Social Work Professionals	2446
72	Authors, Journalist & Other Writers	2451
73	Sculptors, Painters & Related Artists	2452
74	Composers, Musicians & Singers	2453
75	Choreographers and Dancers	2454
76	Film, Stage and Related Actors and Directors	2455
77	Religion Professionals	2460
78	Chemical & Physical Science Technicians	3111
79	Civil Engineering Technicians	3112
80	Electrical Engineering Technicians	3113
81	Mechanical Engineering Technicians	3114
82	Chemical Engineering Technicians	3116
83	Mining and Metallurgical Technicians	3117
84	Other Physical Science & Engineering Technicians	3118
85	Computer Assistants	3121
86	Computer Equipment Controllers	3122
87	Photographers & Image & Sound-Recording Equipment Controllers	3131
88	Broadcasting and Telecommunications-Equipment Controllers	3132
89	Medical Equipment Controllers	3133
90	Other Optical & Electronics Equipment Controllers not elsewhere classified	3139
91	Ships' Engineers	3141
92	Ships' Deck Officers & Pilots	3142
93	Aircraft Pilot & Related Workers	3143
94	Air Traffic Controllers	3144
95	Air Traffic Safety Technicians	3145

S/N	International Standard Classification of Occupations	Code
96	Building & Fire Inspectors	3151
97	Safety, Health & Quality Inspectors (Vehicles, Processes & Products)	3152
98	Life Science Technicians	3211
99	Agronomy & Forestry Technicians	3212
100	Farming & Forestry Advisers	3213
101	Medical Assistants	3221
102	Sanitarian	3222
103	Dieticians and Nutritionists	3223
104	Optometrists & Opticians	3224
105	Dental Assistants	3225
106	Physiotherapists and Related Workers	3226
107	Veterinary Assistants	3227
108	Pharmaceutical Assistants	3228
109	Other Health Associate Professionals (Except Nursing)	3229
110	Primary Education Teaching Associate Professionals	3310
111	Pre-Primary Education Teaching Associate Professionals	3320
112	Special Education Teaching Associate Professionals	3330
113	Other Teaching Associate Professionals	3340
114	Securities, Finance Dealers & Brokers	3411
115	Insurance Representatives	3412
116	Estate Agents	3413
117	Travel Consultants Organizers	3414
118	Technical & Commercial Sales Representatives	3415
119	Buyers	3416
120	Appraisers & Values	3417
121	Auctioneers	3418
122	Other Finance & Sales Associate Professionals	3419
123	Trade Brokers	3421
124	Clearing & Forwarding Agents	3422
125	Labour Contractors & Equipment Agents	3423
126	Other Business Services Agent & Trade Brokers	3429
127	Administrative & Related Associate Professionals	3431
128	Legal & Related Business Associate Professionals	3432
129	Other Administrative Associate Professionals	3439
130	Custom & Border Professionals	3441
131	Government Tax & Excise Officials	3442
132	Government Welfare & Pension Officials	3443
133	Government Licensing Officials	3444
134	Commissioned Police Officers & Detectives	3445
135	Other Government Associate Professionals	3449
136	Social Work Associate Professionals	3450
137	Decorators & Commercial Designers	3461
138	Radio, Television & Other Announcers	3462
139	Street, Night Club & Related Musicians, Singers & Dancers	3463
140	Clowns, Magicians, Acrobats & Related Workers	3464
141	Athletes & Related Workers	3465
142	Non-Ordained Religion Associate Professionnels	3470
143	Statistical & Finance Clerks	4122

S/N	International Standard Classification of Occupations	Code
144	Stock Clerks	4131
145	Production Clerks	4132
146	Transport Clerks	4133
147	Library & Filing Clerks	4141
148	Mail Carriers & Sorting Clerks	4142
149	Coding, Proof-Reading & Related Clerks	4143
150	Scribes	4144
151	Flight Attendants & Travel Stewards	5111
152	Transport Conductors	5112
153	Travel Guides and Ground Hosts	5113
154	House Stewards and House Keepers	5121
155	Waiters and Bartenders	5122
156	Institution-based Personal Care Workers	5131
157	Home-Based Personal Care Workers	5133
158	Other Personal Care Workers	5139
159	Hairdressers, Barbers, Beauticians & Related Workers	5141
160	Companions and Valets	5142
161	Undertakers and Embalmers	5143
162	Other Personal Services Workers not Elsewhere Classified	5149
163	Fashion and Other Models	5210
164	Shop Sales Persons & Demonstrators	5220
165	Stall and Market Salespersons	5230
166	Field Crops & Vegetable Growers	6111
167	Tree Shrub Crop Growers	6112
168	Gardeners, Horticultural; Nursery Growers	6113
169	Mixed Crop Growers	6114
170	Dairy & Livestock Producers	6121
171	Poultry Products	6122
172	Mixed Animal Producers	6123
173	Market Oriented Crop & Animal Producers	6130
174	Forestry Worker and Loggers	6141
175	Charcoal Burners & Related Workers	6142
176	Aquatic Liege Cultivation Workers	6151
177	Inland & Coastal Waters Fishery Workers	6152
178	Deep-Sea Fishery Workers	6153
179	Hunters and Trappers	6154
180	Subsistence Agricultural and Fishery Workers	6210
181	Miners & Quarry Workers	7111
182	Short Fires and Blasters	7112
183	Stone-Splitters, Cutters and Carvers	7113
184	Builders Traditional Materials	7121
185	Bricklayers, Stonemason & Tile Setters	7122
186	Concrete Placers, Concrete Finishers and Terrazzo-Workers	7123
187	Carpenter and Joiners	7124
188	Other Building Frames and Related Workers	7129
189	Roofers	7131
190	Plasterers	7132
191	Insulators	7133

S/N	International Standard Classification of Occupations	Code
192	Glaziers	7134
193	Plumbers and Pipe Fitters	7135
194	Building and Related Electricians	7136
195	Painters and Paperhangers	7141
196	Metal Moulds and Core Makers	7211
197	Welders and Flame-Cutters	7212
198	Sheet-Metal Workers	7213
199	Structural Metal Prepares and Erector	7214
200	Riggers and Cable Splices	7215
201	Under-Water Workers	7216
202	Blacksmiths, Hammersmith's, Forging-Press Workers	7221
203	Tool Maker, Metal Patter Makers and Metal Makers	7222
204	Machine Tool Setter Operators	7223
205	Metal Grinder, Polishers and Tool Sharpeners	7224
206	Motor Vehicle Mechanics and Filters	7231
207	Air Craft Engine Mechanics and Fitters	7232
208	Electrical Mechanics and Fitters	7241
209	Electronic Fitters and Services	7242
210	Radio and Television Service	7243
211	Telegraph and Telephone Installers	7244
212	Electrical Line Installers Repairs & Cable Jointers	7245
213	Precision Instrument Makers Repairs	7311
214	Acoustical Musical Instrument	7312
215	Jewelry and Precious metal Trade Workers	7313
216	Potters and Related Clay and Abrasive Formers	7321
217	Glass Formers, Cutters Grinder and Finishers	7322
218	Glass Engrave and Etchers	7323
219	Glass and Ceramic Painters and Decorators	7324
220	Handicraft Workers in Wood and Related Materials	7331
221	Handicraft Workers in Textile, Leather and Related Materials	7332
222	Compositors and Type Setters	7341
223	Stereotypes and Electrotypers	7342
224	Bookbinders and Related Workers	7344
225	Silk Screen, Block and Textile Printers	7345
226	Meat and Fish Butchers and Preparers	7411
227	Bakers, Pastry Cooks and Confectionery Makers	7412
228	Food Beverage Testers and Graders	7413
229	Tobacco Preparers and Tobacco Products Markers	7414
230	Wood Treaters	7421
231	Cabinet Makers & Related Workers	7422
232	Wood Working Machine Setter Operators	7423
233	Basketry Weavers, Brush Markers and Related Workers	7424
234	Fibre Preparers	7431
235	Weavers, Knitters and Other Hand Textile Products Makers	7432
236	Tailors, Dress Makers and Hatters	7433
237	Fur Tailor and Related Workers	7434
238	Textile Patternmakers and Cutters	7435
239	Sewers, Embroiderers and Related Workers	7436

S/N	International Standard Classification of Occupations	Code
240	Upholsterers and Related Workers	7437
241	Pelt Dressers, Tanners and Fell mongers	7441
242	Shoe Makers and Related Good Workers	7442
243	Mining plant Operators	8111
244	Mineral Ore and Stone-Treating Plant Operators	8112
245	Well Drillers and Borers and Related Workers	8113
246	Ore Smelting Metal Converting and Refining Furnace Operators	8121
247	Metal Melters, Casters and Rolling-mill Operators	8122
248	Metal Heat - Treating Plant Operators	8123
249	Metal Drawers and Extruders	8124
250	Glass and Ceramic Kiln Operators	8131
251	Other Glass & Ceramic Plant Operators	8132
252	Sawmill, Wood Panel and Related Wood-Processing Plant Operators	8141
253	Paper Pulp Preparation Plant Operators	8142
254	Paper Making Plant Operators	8143
255	Crushing Mixing & Grinding Equipment Operators	8151
256	Cooking, Roasting & Related Heat - Treating Plant Operators	8152
257	Filtering and Separating Equipment Operators	8153
258	Still Reactor Operators	8154
259	Petroleum Refining Plant Operators	8155
260	Other Chemical-Processing Plant Operators	8159
261	Power-Generating Plant Operators	8161
262	Steam Turbine, Boiler & Engine Operators	8162
263	Other Power Generating & Related Operators	8169
264	Automated Assembly-Line Operators	8171
265	Industrial Robot Operators	8172
266	Cement and Other Mineral Processing Machine Operators	812
267	Pharmaceutical & Toiletry Products Machine Operators	8221
268	Ammunition and Explosive Products Machine Operators	8222
269	Metal Finishers, Plasters and Coaters	8223
270	Photographic Products Machine Operators	8224
271	Other Chemical Products Machine Operators	8229
272	Type Making & Vulcanizing Machine Operators	8231
273	Other Rubber and Plastics Machine Operators	8239
274	Wood Products Machine Operators	8240
275	Printing Machine Operators	8251
276	Binding Machine Operators	8252
277	Paper and Paperboard Product Machine Operators	8253
278	Spinning and Winding Machine Operators	8261
279	Weaving and Knitting Machine Operators	8262
280	Sewing and Knitting Machine Operators	8263
281	Textile Bleaching, Dyeing & Cleaning Machine Operators	8264
282	Other Textile Product Machine Operators	8269
283	Meat & Fish Processing Machine Operators	8271
284	Dairy Products Machine Operators	8272
285	Baked Goods Producing & Cereals Processing Machine Operators	8275
286	Sugar Processing and Refining Machine Operators	8276
287	Tea Coffee Cocoa & Chocolate Preparing & Producing machine Operators	8277

S/N	International Standard Classification of Occupations	Code
288	Tobacco Products Processing Machine Operators	8278
289	Brewers, Wine & Other Beverage Machine Operators	8279
290	Electrical Machinery Assemblers	8282
291	Metal, Rubber & Plastic Products Assemblers	8284
292	Wood Related Materials Products Assemblers	8285
293	Other Stationery Machine Operators & Assemblers	8290
294	Railway Engine Driver	8311
295	Railway Barkers, Signalers & Shutters	8312
296	Motorcycle Drivers	8321
297	Cart, Taxi & Light Van Drivers	8322
298	Bus & Train Drivers	8323
299	Heavy Truck Drivers	8324
300	Motorized Farm & Forestry Machinery Operators	8331
301	Earth-Moving & Related Machinery Operators	8332
302	Crane, Hoist & Related Material Moving Equipment Operators	8333
303	Lifting -Truck Operators	8334
304	Ship's Deck Crews & Related recruits	8340
305	Street Foods Vendors	9111
306	Street Vendors, Other Products	9112
307	Door-to-Door & Telephone Sales Persons	9113
308	Shoe Cleaning & Other Street Services	9120
309	Domestic helpers and Cleaners	9131
310	Helpers and Cleaners in Offices & Hotels & Related Workers	9132
311	Hand Launderers and Pressers	9133
312	Building Caretakers	9141
313	Windows Cleaners	9142
314	Messengers Package & Luggage	9151
315	Watchers and Doorkeepers	9152
316	Private Security Guards	9153
317	Vending Machine Money Collectors and Meter Readers	9154
318	Garbage Collectors	9161
319	Sweepers and Related Labourers	9162
320	Farmland & Labourers	9211
321	Forestry Labourers	9212
322	Fishery, Hunting & Tapping Labourers	9213
323	Mining & Related Labourers	9311
324	Construction & Maintenance Labourers Road, Dams & Similar Constructions	9312
325	Building Construction Labourers	313
326	Assembling Labourers	9321
327	Hand Packers and Other Manufacturing Labourers	9322
328	Freight Handlers	9331
329	Hand and Pedal Vehicle Drivers	9332
330	Drivers and Operators of Animal-Drawn Vehicles and Machinery	9333

Appendix 2: International Standard for Industrial Classification

INTERNATIONAL STANDARD INDUSTRIAL CLASSIFICATION OF ALL ECONOMIC ACTIVITIES (ISIC)

Notes: This is the International Standard Industrial Classification of Economic Activities (ISIC) Rev. 3.1. This classification becomes final after being approved by the Statistical Commission.

A - Agriculture, forestry and fishing

- 01 - Crop and animal production, hunting and related service activities
- 02 - Forestry and logging
- 03 - Fishing and aquaculture

B - Mining and quarrying

- 05 - Mining of coal and lignite
- 06 - Extraction of crude petroleum and natural gas
- 07 - Mining of metal ores
- 08 - Other mining and quarrying
- 09 - Mining support service activities

C - Manufacturing

- 10 - Manufacture of food products
- 11 - Manufacture of beverages
- 12 - Manufacture of tobacco products
- 13 - Manufacture of textiles
- 14 - Manufacture of wearing apparel
- 15 - Manufacture of leather and related products
- 16 - Manufacture of wood and of products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials
- 17 - Manufacture of paper and paper products
- 18 - Printing and reproduction of recorded media
- 19 - Manufacture of coke and refined petroleum products
- 20 - Manufacture of chemicals and chemical products
- 21 - Manufacture of basic pharmaceutical products and pharmaceutical preparations
- 22 - Manufacture of rubber and plastics products
- 23 - Manufacture of other non-metallic mineral products
- 24 - Manufacture of basic metals
- 25 - Manufacture of fabricated metal products, except machinery and equipment
- 26 - Manufacture of computer, electronic and optical products
- 27 - Manufacture of electrical equipment
- 28 - Manufacture of machinery and equipment
- 29 - Manufacture of motor vehicles, trailers and semi-trailers
- 30 - Manufacture of other transport equipment
- 31 - Manufacture of furniture
- 32 - Other manufacturing
- 33 - Repair and installation of machinery and equipment

D - Electricity, gas, steam and air conditioning supply

- 35 - Electricity, gas, steam and air conditioning supply

E - Water supply; sewerage, waste management and remediation activities

36 - Water collection, treatment and supply

37 - Sewerage

38 - Waste collection, treatment and disposal activities; materials recovery

39 - Remediation activities and other waste management services

F - Construction

41 - Construction of buildings

42 - Civil engineering

43 - Specialized construction activities

G - Wholesale and retail trade; repair of motor vehicles and motorcycles

45 - Wholesale and retail trade and repair of motor vehicles and motorcycles

46 - Wholesale trade, except of motor vehicles and motorcycles

47 - Retail trade, except of motor vehicles and motor cycles

H - Transportation and storage

49 - Land transport and transport via pipe lines

50 - Water transport

51 - Air transport

52 - Warehousing and support activities for transportation

53 - Postal and courier activities

I - Accommodation and food service activities

55 - Accommodation

56 - Food and beverage service activities

J - Information and communication

58 - Publishing activities

59 - Motion picture, video and television programme production, sound recording and music publishing activities

60 - Programming and broadcasting activities

61 - Telecommunications

62 - Computer programming, consultancy and related activities

63 - Information service activities

K - Financial and insurance activities

64 - Financial service activities, except insurance and pension funding

65 - Insurance, reinsurance and pension funding, except compulsory social security

66 - Activities auxiliary to financial service and insurance activities

L - Real estate activities

68 - Real estate activities

M - Professional, scientific and technical activities

69 - Legal and accounting activities

70 - Activities of head offices; management consultancy activities

71 - Architectural and engineering activities; technical testing and analysis

72 - Scientific research and development

73 - Advertising and market research

74 - Other professional, scientific and technical activities

75 - Veterinary activities

N - Administrative and support service activities

77 - Rental and leasing activities

78 - Employment activities

79 - Travel agency, tour operator, reservation service and related activities

80 - Security and investigation activities

81 - Services to buildings and landscape activities

82 - Office administrative, office support and other business support activities

O - Public administration and defense; compulsory social security

84 - Public administration and defense; compulsory social security

P - Education

85 - Education

Q - Human health and social work activities

86 - Human health activities

87 - Residential care activities

88 - Social work activities without accommodation

R - Arts, entertainment and recreation

90 - Creative, arts and entertainment activities

91 - Libraries, archives, museums and other cultural activities

92 - Gambling and betting activities

93 - Sports activities and amusement and recreation activities

S - Other service activities

94 - Activities of membership organizations

95 - Repair of computers and personal and household goods

96 - Other personal service activities

T - Activities of households as employers; undifferentiated goods and Services – producing activities of household for own use

97 - Activities of households as employers of domestic personnel

98 - Undifferentiated goods - and services -producing activities of private households for own use

U - Activities of extraterritorial organizations and bodies

99 - Activities of extraterritorial organizations and bodies

The Classifications registry keeps updated information on Statistical

Classifications maintained by the United Nations Statistics Division (UNSD).