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| **Cross-cultural study of household water insecurity****Questions and Rationales** |
| **Topic** | **Brief Description** | **Rationale** |
| *Socio-demography* | Household size (# of adults & # of kids) | Participants characteristics |
|   | Gender of Household head/respondent | Participants characteristics |
|   | Age of Household head/respondent | Participants characteristics |
|  | Who is responsible for collecting water in the household?  | Participants characteristics |
| *Water Insecurity Access Scale (WIAS)* | Our 32-item scale on household water insecurity  | Scale  |
| *Water Quality*  | Source of primary drinking water (WHO categories for improved & unimproved sources) | Variation between groups |
|  | Source of primary non-drinking water (WHO categories for improved & unimproved sources) | Variation between groups |
|  | Assessment of drinking water to be safe or unsafe | Variation between groups |
|  | Participants treating their water | Variation between groups |
| *Water Accessibility* | The amount of money spent by the household in water collection | Convergent validity |
|  | Estimate the time spent in collecting water from water source | Convergent validity |
|  | Frequency of water collection | Convergent validity |
| *Water Quantity* | Amount of drinking water stored in household (L) | Convergent validity |
|  | Amount of non-drinking water stored in household (L) | Convergent validity |
| *Water Utility*  | Amount of water drank in a day (L) | Discriminant validity  |
| *Water Stability/Reliability* | Which of the months in a year do households experience water insecurity? | Variation between groups |
|  | Which times of day do households experience water insecurity? | Variation between groups |
| *Food Insecurity* | 9-item estimate via Household Food Insecurity Access Scale (HFIAS). *Coates, Swindale, & Bilinsky. (2007). Household Food Insecurity Access Scale (HFIAS) for measurement of food access: indicator guide.*  | Predictive validity of scale |
| *Perceived Stress* | 4-item Estimate via Cohen's Perceived Stress Scale. *Cohen, Kamarck, & Mermelstein. (1994). Perceived stress scale.* | Predictive validity of scale |
| *Infant Feeding* | 1 open-ended question on perceptions of how water insecurity may affect infant & young child feeding | Formative, establish relationship  |
| *Socio-Economic Status* | Open-ended question about job/work | Predictive validity of scale |
|  | A ladder showing the degree of participants socio-economic status (scaled 1 to 10, with 1 being the best off, most educated, most money, and the most respected job; at the bottom participants with less money, education, least respected jobs)  | Predictive validity of scale |
|  | Estimate socioeconomic status via income of participants or household  | Predictive validity of scale |
| *Data Quality* | 4-items on interviewer-assessed quality of responses | Data quality |

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| **Cross-cultural study of household water insecurity** |
| Interviewer\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Time at start of interview\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Time at end of interview\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Country \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Region/District\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Participant ID:\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Language of interview: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Participant gender: (0) Male (1) FemaleParticipant place of residence: (0) Rural (2) Peri-urban (3) UrbanParticipant ethnicity:  |
| *Participant ID should start with 1st two letters of country, eg. BA, NE, GU, GH…* |

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| **1. Screening Questions** |
| **Code Name** | **Questions** | **Coding Classification** |
| SQ1a | Do you agree to participate in this survey? | 0…No1…Yes |
| SQ2 | Are you 16 years of age or older?  | 0…No1…Yes |
| SQ3 | Would you consider yourself knowledgeable about water acquisition and use within your household?  | 0…No1…Yes |
| SQ4 | If no, who is most knowledgeable about water acquisition and use within your household? Who should I talk to?  |  |

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| **2. Socio Demographic Questions** |
| SD1 | Role in household: What is your relationship to the head of your household? | 1….Self2….Spouse/partner 3….Adult child4….Other |
| SD2 | What is the gender of household head?  | 0…Male 1…Female |
| SD3 | How old are you? |  |
| SD4 | Who is primarily responsible for making sure there is enough water in the house? *If primary responsibility is shared, choose (5) and then also circle the two categories of people who share the responsibility.*  | 1…Self2…Spouse/partner3…Children4…Other family members5…Shared responsibility |
| SD5 | How many children (≤16 years) live in your household?  |  |
| SD6 | How many adults (>16 years) including yourself live in your household?  |  |
| SD7 | What type of housing do you live in? | 1….House/condominium (owned)2….House/condominium (rented)3….Apartment (owned)4…..Apartment (rented)5….Farm (own)6…..Farm (lease)7…..Informal settlement/squatter community8……Refugee/internally displaced person camp9…..Other \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| **3. Household Water Insecurity Access Scale (32 items)***Now I’m going to ask you about your own personal experiences with water. For each of the items, please indicate how many times within the past 4 weeks or 30 days. Interviewer, please mark the response that best corresponds with the coding classification. For example, if participants says 15 times, you need to mark/circle code 3* |
| **Code name** | **Question** | **Coding Classification** |
| WIAS1 | In the last 4 weeks, how frequently did you or anyone in your household **worry** you would not have **enough water for all of** your household needs?  | A….Never (0 times in the last 4 weeks)B….Rarely (1–2 times in the last 4 weeks)C….Sometimes (3–10 times in the last 4 weeks)D….Often (11-20 times in the last 4 weeks)E….Always (More than 20 times in the last 4 weeks)DK….Don’t knowNA…Not applicable/I don’t have this |
| WIAS2 | In the last 4 weeks, how frequently have you or anyone in your household **worried about the safety** of the person getting water for your household? *By getting, I mean: traveling to, collecting the water, and returning with the water.* | A….Never (0 times in the last 4 weeks)B….Rarely (1–2 times in the last 4 weeks)C….Sometimes (3–10 times in the last 4 weeks)D….Often (11-20 times in the last 4 weeks)E….Always (More than 20 times in the last 4 weeks)DK….Don’t knowNA…Not applicable/I don’t have this |
| WIAS3 | In the last 4 weeks, how frequently have you or anyone in your household **thought of leaving [***name of town***]** because there was no water there? | A….Never (0 times in the last 4 weeks)B….Rarely (1–2 times in the last 4 weeks)C….Sometimes (3–10 times in the last 4 weeks)D….Often (11-20 times in the last 4 weeks)E….Always (More than 20 times in the last 4 weeks)DK….Don’t knowNA…Not applicable/I don’t have this |
| WIAS4 | In the last 4 weeks, how frequently has your household **water supply** from your main water source **been** **interrupted**? | A…Never (0 times in the last 4 weeks)B…Rarely (1–2 times in the last 4 weeks)C…Sometimes (3–10 times in the last 4 weeks)D…Often (11-20 times in the last 4 weeks)E… Always (More than 20 times in the last 4 weeks)DK…Don’t knowNA…Not applicable/I don’t have this |
| WIAS5 | In the last 4 weeks, how frequently has your household **not had enough** water for your **garden, crops, or fruit trees**? | A….Never (0 times in the last 4 weeks)B….Rarely (1–2 times in the last 4 weeks)C….Sometimes (3–10 times in the last 4 weeks)D….Often (11-20 times in the last 4 weeks)E….Always (More than 20 times in the last 4 weeks)DK….Don’t knowNA…Not applicable/I don’t have this |
| WIAS6 | In the last 4 weeks, how frequently has your household **not had enough water** to give to your **animals and poultry?** | A….Never (0 times in the last 4 weeks)B….Rarely (1–2 times in the last 4 weeks)C….Sometimes (3–10 times in the last 4 weeks)D….Often (11-20 times in the last 4 weeks)E….Always (More than 20 times in the last 4 weeks)DK….Don’t knowNA…Not applicable/I don’t have this |
| WIAS7 | In the last 4 weeks, how frequently has the **time spent getting** water prevented you or anyone in your household from **earning money (**e.g. engaging in paid work, economic activities)? | A…Never (0 times in the last 4 weeks)B…Rarely (1–2 times in the last 4 weeks)C…Sometimes (3–10 times in the last 4 weeks)D…Often (11-20 times in the last 4 weeks)E… Always (More than 20 times in the last 4 weeks)DK…Don’t knowNA…Not applicable/I don’t have this |
| WIAS8 | In the last 4 weeks, how frequently have you or anyone in your household **lacked money needed** to buy water? | A…Never (0 times in the last 4 weeks)B…Rarely (1–2 times in the last 4 weeks)C…Sometimes (3–10 times in the last 4 weeks)D…Often (11-20 times in the last 4 weeks)E… Always (More than 20 times in the last 4 weeks)DK…Don’t knowNA…Not applicable/I don’t have this |
| WIAS9 | In the last 4 weeks, how frequently did you or anyone in your household want to **buy water but there was nowhere to buy it from**? | A…Never (0 times in the last 4 weeks)B…Rarely (1–2 times in the last 4 weeks)C…Sometimes (3–10 times in the last 4 weeks)D…Often (11-20 times in the last 4 weeks)E… Always (More than 20 times in the last 4 weeks)DK…Don’t knowNA…Not applicable/I don’t have this |
| WIAS10 | In the last 4 weeks, how frequently has the **time spent getting** water prevented you or anyone in your household from **caring for children in the household**? | A…Never (0 times in the last 4 weeks)B…Rarely (1–2 times in the last 4 weeks)C…Sometimes (3–10 times in the last 4 weeks)D…Often (11-20 times in the last 4 weeks)E… Always (More than 20 times in the last 4 weeks)DK…Don’t knowNA…Not applicable/I don’t have this |
| WIAS11 | In the last 4 weeks, how frequently has the **time spent getting** water prevented you or anyone in your household from **doing household chores** (such as cooking, preparing food, washing clothes, etc.)? | A…Never (0 times in the last 4 weeks)B…Rarely (1–2 times in the last 4 weeks)C…Sometimes (3–10 times in the last 4 weeks)D…Often (11-20 times in the last 4 weeks)E… Always (More than 20 times in the last 4 weeks)DK…Don’t knowNA…Not applicable/I don’t have this |
| WIAS12 | In the last 4 weeks, how frequently did the **children** in your household **miss school** because they were getting water?  | A…Never (0 times in the last 4 weeks)B…Rarely (1–2 times in the last 4 weeks)C…Sometimes (3–10 times in the last 4 weeks)D…Often (11-20 times in the last 4 weeks)E… Always (More than 20 times in the last 4 weeks)DK…Don’t knowNA…Not applicable/I don’t have this |
| WIAS13 | In the last 4 weeks, how frequently has there **not been enough** water in the household to **wash clothes**? | A…Never (0 times in the last 4 weeks)B…Rarely (1–2 times in the last 4 weeks)C…Sometimes (3–10 times in the last 4 weeks)D…Often (11-20 times in the last 4 weeks)E… Always (More than 20 times in the last 4 weeks)DK…Don’t knowNA…Not applicable/I don’t have this |
| WIAS14 | In the last 4 weeks, how frequently have you or anyone in your household had to **change what was being eaten** because there wasn’t enough water (e.g. for washing foods, cooking, etc.)? | A…Never (0 times in the last 4 weeks)B…Rarely (1–2 times in the last 4 weeks)C…Sometimes (3–10 times in the last 4 weeks)D…Often (11-20 times in the last 4 weeks)E… Always (More than 20 times in the last 4 weeks)DK…Don’t knowNA…Not applicable/I don’t have this |
| WIAS15 | In the last 4 weeks, how frequently have you or anyone in your household had to go **without washing hands** after **dirty activities (**e.g.,defecating or changing diapers, cleaning animal dung) because you didn’t have enough water? | A…Never (0 times in the last 4 weeks)B…Rarely (1–2 times in the last 4 weeks)C…Sometimes (3–10 times in the last 4 weeks)D…Often (11-20 times in the last 4 weeks)E… Always (More than 20 times in the last 4 weeks)DK…Don’t knowNA…Not applicable/I don’t have this |
| WIAS16 | In the last 4 weeks, how frequently have you or anyone in your household not had enough water to **wash the faces and hands of children in your household?** | A…Never (0 times in the last 4 weeks)B…Rarely (1–2 times in the last 4 weeks)C…Sometimes (3–10 times in the last 4 weeks)D…Often (11-20 times in the last 4 weeks)E… Always (More than 20 times in the last 4 weeks)DK…Don’t knowNA…Not applicable/I don’t have this |
| WIAS17 | In the last 4 weeks, how frequently have you or anyone in your household had to go without **washing their body** because there wasn’t enough water? | A…Never (0 times in the last 4 weeks)B…Rarely (1–2 times in the last 4 weeks)C…Sometimes (3–10 times in the last 4 weeks)D…Often (11-20 times in the last 4 weeks)E… Always (More than 20 times in the last 4 weeks)DK…Don’t knowNA…Not applicable/I don’t have this |
| WIAS18 | In the last 4 weeks, how frequently has your or anyone in your household’s **day** **been** **interrupted** **by** **your** **water** **situation**, including getting or distributing water within the household?  | A…Never (0 times in the last 4 weeks)B…Rarely (1–2 times in the last 4 weeks)C…Sometimes (3–10 times in the last 4 weeks)D…Often (11-20 times in the last 4 weeks)E… Always (More than 20 times in the last 4 weeks)DK…Don’t knowNA…Not applicable/I don’t have this |
| WIAS19 | In the last 4 weeks, how frequently have problems with water prevented you or anyone in your household from **attending social events** (i.e. church, funerals, community gatherings, etc.)? | A…Never (0 times in the last 4 weeks)B…Rarely (1–2 times in the last 4 weeks)C…Sometimes (3–10 times in the last 4 weeks)D…Often (11-20 times in the last 4 weeks)E… Always (More than 20 times in the last 4 weeks)DK…Don’t knowNA…Not applicable/I don’t have this |
| WIAS20 | In the last 4 weeks, how frequently did you or anyone in your household want to **treat your water**, but couldn’t? By treat, I mean boiling, using chemicals to treat, or other ways you make your water safe to use or drink. | A…Never (0 times in the last 4 weeks)B…Rarely (1–2 times in the last 4 weeks)C…Sometimes (3–10 times in the last 4 weeks)D…Often (11-20 times in the last 4 weeks)E… Always (More than 20 times in the last 4 weeks)DK…Don’t knowNA…Not applicable/I don’t have this |
| WIAS21 | In the last 4 weeks, how frequently have you or anyone in your household **drank** **water** that **tasted** **bad**?  | A…Never (0 times in the last 4 weeks)B…Rarely (1–2 times in the last 4 weeks)C…Sometimes (3–10 times in the last 4 weeks)D…Often (11-20 times in the last 4 weeks)E… Always (More than 20 times in the last 4 weeks)DK…Don’t knowNA…Not applicable/I don’t have this |
| WIAS22 | In the last 4 weeks, how frequently have you or anyone in your household **actually drank water** that you thought was unsafe? | A…Never (0 times in the last 4 weeks)B…Rarely (1–2 times in the last 4 weeks)C…Sometimes (3–10 times in the last 4 weeks)D…Often (11-20 times in the last 4 weeks)E… Always (More than 20 times in the last 4 weeks)DK…Don’t knowNA…Not applicable/I don’t have this |
| WIAS23 | In the last 4 weeks, how frequently have you or anyone in your household asked to **borrow water** from other people? | A…Never (0 times in the last 4 weeks)B…Rarely (1–2 times in the last 4 weeks)C…Sometimes (3–10 times in the last 4 weeks)D…Often (11-20 times in the last 4 weeks)E… Always (More than 20 times in the last 4 weeks)DK…Don’t knowNA…Not applicable/I don’t have this |
| WIAS23a |  From whom? | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| WIAS23b |  What were you expected to give in return? |  |
| WIAS24 | In the last 4 weeks, how frequently have you or anyone in your household **loaned water** to anyone? | A…Never (0 times in the last 4 weeks)B…Rarely (1–2 times in the last 4 weeks)C…Sometimes (3–10 times in the last 4 weeks)D…Often (11-20 times in the last 4 weeks)E… Always (More than 20 times in the last 4 weeks)DK…Don’t knowNA…Not applicable/I don’t have this |
| WIAS25 | In the last 4 weeks, how frequently did you or anyone in your household have problems with water that caused **difficulties** **with** **neighbors** or others in the community?  | A…Never (0 times in the last 4 weeks)B…Rarely (1–2 times in the last 4 weeks)C…Sometimes (3–10 times in the last 4 weeks)D…Often (11-20 times in the last 4 weeks)E… Always (More than 20 times in the last 4 weeks)DK…Don’t knowNA…Not applicable/I don’t have this |
| WIAS26 | In the last 4 weeks, how frequently did you or anyone in your household have problems with water that caused **difficulties** **within your household**? | A…Never (0 times in the last 4 weeks)B…Rarely (1–2 times in the last 4 weeks)C…Sometimes (3–10 times in the last 4 weeks)D…Often (11-20 times in the last 4 weeks)E… Always (More than 20 times in the last 4 weeks)DK…Don’t knowNA…Not applicable/I don’t have this |
| WIAS27 | In the last 4 weeks, how frequently did you or anyone in your household **feel** **upset** about your water situation? | A…Never (0 times in the last 4 weeks)B…Rarely (1–2 times in the last 4 weeks)C…Sometimes (3–10 times in the last 4 weeks)D…Often (11-20 times in the last 4 weeks)E… Always (More than 20 times in the last 4 weeks)DK…Don’t knowNA…Not applicable/I don’t have this |
| WIAS28 | In the last 4 weeks, how frequently has there **not been as much water to drink as you would like** for you or anyone in your household? | A…Never (0 times in the last 4 weeks)B…Rarely (1–2 times in the last 4 weeks)C…Sometimes (3–10 times in the last 4 weeks)D…Often (11-20 times in the last 4 weeks)E… Always (More than 20 times in the last 4 weeks)DK…Don’t knowNA…Not applicable/I don’t have this |
| WIAS29 | In the last 4 weeks, how frequently have you or anyone in your household **not had enough water to take medications**? | A…Never (0 times in the last 4 weeks)B…Rarely (1–2 times in the last 4 weeks)C…Sometimes (3–10 times in the last 4 weeks)D…Often (11-20 times in the last 4 weeks)E… Always (More than 20 times in the last 4 weeks)DK…Don’t knowNA…Not applicable/I don’t have this |
| WIAS30 | In the last 4 weeks, how frequently have you or anyone in your household not gotten water where you wanted to because you were **too sick or weak** to get water? | A…Never (0 times in the last 4 weeks)B…Rarely (1–2 times in the last 4 weeks)C…Sometimes (3–10 times in the last 4 weeks)D…Often (11-20 times in the last 4 weeks)E… Always (More than 20 times in the last 4 weeks)DK…Don’t knowNA…Not applicable/I don’t have this |
| WIAS31 | In the last 4 weeks, how frequently have you or anyone in your household gone to **sleep thirsty**? | A…Never (0 times in the last 4 weeks)B…Rarely (1–2 times in the last 4 weeks)C…Sometimes (3–10 times in the last 4 weeks)D…Often (11-20 times in the last 4 weeks)E… Always (More than 20 times in the last 4 weeks)DK…Don’t knowNA…Not applicable/I don’t have this |
| WIAS32 | In the last 4 weeks, how frequently has there been **no water whatsoever** in your household? | A…Never (0 times in the last 4 weeks)B…Rarely (1–2 times in the last 4 weeks)C…Sometimes (3–10 times in the last 4 weeks)D…Often (11-20 times in the last 4 weeks)E… Always (More than 20 times in the last 4 weeks)DK…Don’t knowNA…Not applicable/I don’t have this  |

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|  **4. Water Access***Now I would like to learn how and where you acquire water.* |
| Wat1 | What is currently the **primary source** of drinking water for your household? (Choose only ONE) | 1…Piped water 2…Stand pipe 3…Borehole/tubewell 4…Protected dug well5…Unprotected dug well6…Protected spring7…Unprotected spring8…Rainwater collection9…Small water vendor10…Tanker truck11…Bottled water12…Bagged/sachet water13…Surface water (pond, river, lake)14…Other person \_\_\_\_\_\_\_\_\_\_\_\_15…Other\_\_\_\_\_\_\_\_\_  |
| Wat2 | What is currently the **primary source** of non- drinking water for your household? (Choose only ONE) | 1…Piped water 2…Stand pipe 3…Borehole/tubewell 4…Protected dug well5…Unprotected dug well6…Protected spring7…Unprotected spring8…Rainwater collection9…Small water vendor10…Tanker truck11…Bottled water12…Bagged/sachet water13…Surface water (pond, river, lake)14…Other person \_\_\_\_\_\_\_\_\_\_\_\_15…Other\_\_\_\_\_\_\_\_\_  |
| Wat3 | How long (in minutes) does it take to go to the water source, get water and come back (including wait time)? *(If water source is in household/compound, record 00 minutes)* | \_\_\_\_\_\_\_\_\_\_\_\_ minutes |
| Wat4 | How many trips in total are made to this site per week (not including household/compound?)?  | \_\_\_\_\_\_\_\_\_\_ trips |
| Wat4a | Have you ever been injured while fetching water? | 0...No1…Yes |
| Wat4b | If so, how? |  |
| Wat5 | In the past 4 weeks, approximately how much money did you spend on getting water for your household?  | Units: \_\_\_\_\_\_ Amount: \_\_\_\_\_\_\_\_ |
| Wat6 | In the past 4 weeks, was drinking water for your household typically treated in any way to make it safer? | 0…No1…YesDK…Don’t know |
| Wat7 | What is the primary way that your household treats your **drinking** water? | 1…Do not treat it2…Boil3…Filter4…Add chemicals5…Other (Specify): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| Wat8 | In the past 4 weeks, how much money did you spend to treat water (including money for chemicals to treat water)?  | Currency: \_\_\_\_\_\_ Amount: \_\_\_\_\_\_\_\_ |

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| **5. Water Quantity, Utility and Stability***Now I would like to ask you questions on the quantity of water you have in your household and the amount you drink.* |
| Wat9 | What is the estimate of the current amount of drinking water (liters) stored in your household?  | \_\_\_\_\_\_\_\_ Liters |
| Wat10 | What is the estimate of the current amount of non-drinking water (liters) stored in your household?  | \_\_\_\_\_\_\_\_ Liters |
| Wat11 | Which of the months in the year does your household mostly experience water shortage (circle all months)?  | 1…January 7…July2…February 8…August3…March 9…September4…April 10…October5…May 11…November6…June 12…December |
| Wat12 | Which of the months in the year does your household have lots of water (tick the specific months)?  | 1…January 7…July2…February 8…August3…March 9…September4…April 10…October5…May 11…November6…June 12…December |
| Wat13 | What times of day does your household experience water shortages? | 0…None1…Morning (Sunrise (6:00am) to 11:59am)2…Afternoon (12:00 – 5:00pm)3…Evening (5:01 – 8:00pm)4…Night (8:01pm – 5:59am)  |
| Wat14 | What do you see as the main **cause of problems** **with** **water** in your area? |  |

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| **6. Food Insecurity (HFIAS)***Now I’m going to ask you about your experiences with access to food in the last four weeks. I will ask you about the frequencies that you have experienced a few situations, and I want you to tell me how frequently it has happened in the last four weeks.*  |
| **Code Name** | **Questions** | **Coding Classification** |
| FI1 | In the past four weeks, how frequently did you worry that your household would not have enough food?  | A…Never (0 times in the last 4 weeks)B…Rarely (1 – 2 times in the last 4 weeks)C…Sometimes (3 – 10 times in the last 4 weeks)D…Often (More than 10 times in the last 4 weeks)DK…Don’t know |
| FI2 | In the past four weeks, how frequently were you or any household member not able to eat foods you preferred because you couldn’t obtain them because of a lack of resources (such as money, business, land, or any other thing that you would require to help you obtain other types of food)? | A…Never (0 times in the last 4 weeks)B…Rarely (1 – 2 times in the last 4 weeks)C…Sometimes (3 – 10 times in the last 4 weeks)D…Often (More than 10 times in the last 4 weeks)DK…Don’t know |
| FI3 | In the past four weeks, how frequently did you or any household member have to eat a limited variety of food due to lack of resources (such as money, business, land, or any other thing that you would require to help you obtain other types of food)? | A…Never (0 times in the last 4 weeks)B…Rarely (1 – 2 times in the last 4 weeks)C…Sometimes (3 – 10 times in the last 4 weeks)D…Often (More than 10 times in the last 4 weeks)DK…Don’t know |
| FI4 | In the past four weeks, how frequently did you or any household member have to eat some foods that you really did not want to eat because of a lack of resources to obtain other types of food?  | A…Never (0 times in the last 4 weeks)B…Rarely (1 – 2 times in the last 4 weeks)C…Sometimes (3 – 10 times in the last 4 weeks)D…Often (More than 10 times in the last 4 weeks)DK…Don’t know |
| FI5 | In the past four weeks, how frequently did you or any household member have to eat a smaller meal than you felt you needed, meaning a little amount of food that did not satisfy you, because there was not enough food?  | A…Never (0 times in the last 4 weeks)B…Rarely (1 – 2 times in the last 4 weeks)C…Sometimes (3 – 10 times in the last 4 weeks)D…Often (More than 10 times in the last 4 weeks)DK…Don’t know |
| FI6 | How many meals do you think you should eat in a day? |  |
| FI7 | In the past four weeks, how frequently did you or anyone in your household have to eat fewer meals in a day because there was not enough food?  | A…Never (0 times in the last 4 weeks)B…Rarely (1 – 2 times in the last 4 weeks)C…Sometimes (3 – 10 times in the last 4 weeks)D…Often (More than 10 times in the last 4 weeks)DK…Don’t know |
| FI8 | In the past four weeks, how frequently was there ever no food to eat of any kind in your household because of lack of resources to get food? | A…Never (0 times in the last 4 weeks)B…Rarely (1 – 2 times in the last 4 weeks)C…Sometimes (3 – 10 times in the last 4 weeks)D…Often (More than 10 times in the last 4 weeks)DK…Don’t know |
| FI9 | In the past four weeks, how frequently did you or any household member go to sleep at night hungry because there was not enough food?  | A…Never (0 times in the last 4 weeks)B…Rarely (1 – 2 times in the last 4 weeks)C…Sometimes (3 – 10 times in the last 4 weeks)D…Often (More than 10 times in the last 4 weeks)DK…Don’t know |
| FI10 | In the past four weeks, how frequently did you or any household member go hungry for a whole day and night because of limited food in the house?  | A…Never (0 times in the last 4 weeks)B…Rarely (1 – 2 times in the last 4 weeks)C…Sometimes (3 – 10 times in the last 4 weeks)D…Often (More than 10 times in the last 4 weeks)DK…Don’t know |

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| **7. Perceived Stress Scale***The questions in this scale ask you about your feelings and thoughts during the last month. In each case, indicate how often you felt or thought a certain way.*  |
| PS1 | In the past four weeks, how often have you felt that you were unable to control the important things in your life? | A…Never (0 times in the last 4 weeks)B…Almost Never (1-2 times in the last 4 weeks)C…Sometimes (3-10 times in the last 4 weeks)D…Fairly Often (11-20 times in the last 4 weeks)E…Very Often (More than 20 times in the last 4 weeks) |
| PS2 | In the last month, how often have you felt confident about your ability to handle your personal problems?  | A…Never (0 times in the last 4 weeks)B…Almost Never (1-2 times in the last 4 weeks)C…Sometimes (3-10 times in the last 4 weeks)D…Fairly Often (11-20 times in the last 4 weeks)E…Very Often (More than 20 times in the last 4 weeks) |
| PS3 | In the last month, how often have you felt that things were going your way? (Reverse) | A…Never (0 times in the last 4 weeks)B…Almost Never (1-2 times in the last 4 weeks)C…Sometimes (3-10 times in the last 4 weeks)D…Fairly Often (11-20 times in the last 4 weeks)E…Very Often (More than 20 times in the last 4 weeks) |
| PS4 | In the last month, how often have you felt difficulties were piling up so high that you could not overcome them?  | A…Never (0 times in the last 4 weeks)B…Almost Never (1-2 times in the last 4 weeks)C…Sometimes (3-10 times in the last 4 weeks)D…Fairly Often (11-20 times in the last 4 weeks)E…Very Often (More than 20 times in the last 4 weeks) |

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|  **8. Infant feeding***This question will ask you about infant feeding and how it can be impacted by the water situation in your area.*  |
| BF1 | Can you tell me some ways that the water situation here affects how infants (under 12 months of age) are fed? (*Interviewer, prompt for three ways.)* | 1. 2. 3.  |

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| **2a. Socio Demographic Questions (continued)***We are now going to ask you three final questions about your standing in your community.*  |
| SD8 | What is your current occupation or how do you earn money? |  |
| SD9 | Here is a picture of a ladder. Please think of this ladder as representing the socioeconomic standing of people ***in your community.*** At the top of the ladder are those who are best off; they have the most money, the most education, the most respected jobs. At the bottom are people who have the least money, least education, and least jobs. Where would you place yourself on this ladder? Please touch the rung/step.Interviewer, write the corresponding number here: *\_\_\_\_\_\_\_* |  |
| SD10 | What is your primary monthly income? (/month) | Units\_\_\_\_\_\_ Amount \_\_\_\_\_\_\_\_ |

**Wrap-up Question:** Is there anything else you would like to share about your experiences with water for your household and how this affects your life?

 *Do you have any questions for us?* ***Thank you*** *for participating in this survey.*

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| **Data Quality: For the interviewer to complete***Please give your assessment on the quality and reliability of the data you have collected in this survey.*  |
| DQ01 | Did the respondent show any of the following? *(check all that apply):* | \_\_\_ Mistrust of you or the study\_\_\_ Dishonesty, lying, or inventing responses that didn’t seem true\_\_\_ Fear of you or the study\_\_\_ Hostility, anger or resentment\_\_\_ Evasion or trying to avoid answering |
| DQ02 | Were there any interruptions or distractions? | 0…No1…Yes, but I don't think it influenced responses2…Yes, and I think it influenced the answers |
| DQ03 | What is your overall assessment of the quality of the data in this survey? | 0…**Excellent**. The respondent understood the survey and was engaged  and there were no interruptions1…**Just okay**. The participant may not have understood all or part of  the survey well or there were some interruptions.2…**Suspect**. The participant misunderstood the survey or did not  participate well or there were many interruptions. |
| DQ04 | The quality of the data from this interview is really important to us. Please explain your answers above, in terms of how the data may have been affected.Is there anything else we need to know?  |  |