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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) Female  Participant place of residence: (0) Rural (2) Peri-urban (3) Urban  Participant ethnicity: | | | | | |
| *Participant ID should start with 1st two letters of country, eg. BA, NE, GU, GH…* | | | | | |
| **1. Screening Questions** | | | | | |
| **Code Name** | | **Questions** | | **Coding Classification** | |
| SQ1a | | Do you agree to participate in this survey?  Je, umekubali kushiriki kwa utafiti? | | 0…No , La  1…Yes, Ndio | |
| SQ2 | | Are you 16 years of age or older?  Je, una umri wa miaka 16 au zaidi? | | 0…No, La  1…Yes, Ndio | |
| SQ3 | | Would you consider yourself knowledgeable about water acquisition and use within your household?  Je unafikiria kuwa na maarifa kuhusu kupata na kutumia maji kwenye nyumba? | | 0…No, La  1…Yes, Ndio | |
| SQ4 | | If no, who is most knowledgeable about water acquisition and use within your household? Who should I talk to?  Ikiwa la, ni nani ana maarifa zaidi kuhusu kupata na kutumia maji kwenye nyumba? Ni nani nafaa kuzungumza naye? | |  | |
| **2. Socio Demographic Questions** | | | | | |
| SD1 | | Role in household: What is your relationship to the head of your household?  Wajibu wako kwenye nyumba: Je una husiano gani na mkuu wa nyumba? | | | 1….Self, Mimi  2….Spouse/partner, Mke au Mume/Mwenzi  3….Adult child, Mtoto mwenye ni mzima  4….Other, Mwignine |
| SD2 | | What is the gender of household head?  Je jinsia ya mkuu wa familia ni nani? | | | 0…Male, Mume  1…Female, Kike |
| SD3 | | How old are you?  Je una miaka ngapi? | | |  |
| SD4 | | Who is primarily responsible for making sure there is enough water in the house?  Je ni nani ana jukumu kuu la kuhakikisha kuwa kuna maji ya kutosha nyumbani?  *If primary responsibility is shared, choose (5) and then also circle the two categories of people who share the responsibility.* | | | 1…Self, Mimi  2…Spouse/partner, Mke au Mume/Mwenzi  3…Children, Watoto  4…Other family members, watu wengine wa familia  5…Shared responsibility’ Jukumu la kila mtu |
| SD5 | | How many children (≤16 years) live in your household?  Je ni watoto wangapi (miaka ≤16) wanaishi kwa nyumba yako? | | |  |
| SD6 | | How many adults (>16 years) including yourself live in your household?  Je ni watu wangapi wazima (miaka >16) ikikujumuisha wanaishi kwenye nyumba yako? | | |  |
| **3. Household Water Insecurity Access Scale (32 items)**  *Sasa nitakuuliza kuhusu ozoefu wako wa kibinafsi na maji. Kwa kila moja ya vitu hivi, tafadhali onyesha ni mara ngapi katika wiki 4 zilizopita au siku 30. 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?  Katika wiki 4 zilizopita, ni mara ngapi wewe au mtu yeyote katik nyumba yako alikuwa na **wasiwasi** kwamba hamungekuwa na maji **ya kutosha kwa mahitaji yenu yote** ya nyumbani? | | A….Never (0 times in the last 4 weeks)  Kamwe (Mara 0 katika wiki 4 zilizopita)  B….Rarely (1–2 times in the last 4 weeks)  Mara chache (Mara 1-2 katika wiki 4 zilizopita)  C….Sometimes (3–10 times in the last 4 weeks)  Mara nyingine (Mara 3-10 katika wiki 4 zilizopita)  D….Often (11-20 times in the last 4 weeks)  Mara nyingi( Mara 11-20 katika wiki 4 zilizopita)  E….Always (More than 20 times in the last 4 weeks)  Kila mara (Zaidi ya mara 20 katika wiki 4 zilizopita)  DK….Don’t know  Sijui  NA…Not applicable/I don’t have this  Hainihusu/sina hii | | | |
| 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.*  Katika wiki 4 zilizopita, ni mara ngapi wewe au mtu mwingine katika nyumba yako **mlikuwa na wasiwasi kuhusu usalama** wa mtu anayetafuta maji ya kutumia kwa nyumba yako?*Kwa kutafuta, namaanisha: kwenda, kuteka, na kurudi na maji.* | | A….Never (0 times in the last 4 weeks)  Kamwe ( Mara 0 katika wiki 4 zilizopita)  B….Rarely (1–2 times in the last 4 weeks)  Mara chache (Mara 1-2 katika wiki 4 zilizopita)  C….Sometimes (3–10 times in the last 4 weeks)  Mara nyingine (Mara 3-10 katika wiki 4 zilizopita)  D….Often (11-20 times in the last 4 weeks)  Mara nyingi( Mara 11-20 katika wiki 4 zilizopita)  E….Always (More than 20 times in the last 4 weeks)  Kila mara (Zaidi ya mara 20 katika wiki 4 zilizopita)  DK….Don’t know  Sijui  NA…Not applicable/I don’t have this  Hainihusu/Sina hii | | | |
| 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?  Katika wiki 4 zilizopita, ni mara ngapi wewe au mojawapo ya watu wa nyumba yako **hufikiria kutoka [***jina la jiji*] kwa sababu hakuna maji huko? | | A….Never (0 times in the last 4 weeks)  Kamwe ( mara 0 katika wiki 4 zilizopita)  B….Rarely (1–2 times in the last 4 weeks)  Mara chache( mara 1-2 mbili katika wiki 4 zilizopita)  C….Sometimes (3–10 times in the last 4 weeks)  Mara nyingine (mara 3-10 katika wiki 4 zilizopita)  D….Often (11-20 times in the last 4 weeks)  Mara nyingi( Mara 11-20 katika wiki 4 zilizopita)  E….Always (More than 20 times in the last 4 weeks)  Kila mara( Zaidi ya mara 20 katika wiki 4 zilizopita)  DK….Don’t know  Sijui  NA…Not applicable/I don’t have this  Halinihusu/Sina hii | | | |
| WIAS4 | In the last 4 weeks, how frequently has your household **water supply** from your main water source **been** **interrupted**?  Katika wiki 4 zilizopita, ni mara ngapi **maji unayotumia** nyumbani **imekatizwa** kutoka kwa njia kuu ya kupata maji? | | A….Never (0 times in the last 4 weeks)  Kamwe ( mara 0 katika wiki 4 zilizopita)  B….Rarely (1–2 times in the last 4 weeks)  Mara chache( mara 1-2 mbili katika wiki 4 zilizopita)  C….Sometimes (3–10 times in the last 4 weeks)  Mara nyingine (mara 3-10 katika wiki 4 zilizopita)  D….Often (11-20 times in the last 4 weeks)  Mara nyingi( Mara 11-20 katika wiki 4 zilizopita)  E….Always (More than 20 times in the last 4 weeks)  Kila mara( Zaidi ya mara 20 katika wiki 4 zilizopita)  DK….Don’t know  Sijui  NA…Not applicable/I don’t have this  Halinihusu/Sina hii | | | |
| WIAS5 | In the last 4 weeks, how frequently has your household **not had enough** water for your **garden, crops, or fruit trees**?  Katika wiki 4 zilizopita, ni mara ngapi nyumba yako **haijakuwa na maji ya kutosha** kwa **shamba, mimea, au miti ya matunda?** | | A….Never (0 times in the last 4 weeks)  Kamwe ( mara 0 katika wiki 4 zilizopita)  B….Rarely (1–2 times in the last 4 weeks)  Mara chache( mara 1-2 mbili katika wiki 4 zilizopita)  C….Sometimes (3–10 times in the last 4 weeks)  Mara nyingine (mara 3-10 katika wiki 4 zilizopita)  D….Often (11-20 times in the last 4 weeks)  Mara nyingi( Mara 11-20 katika wiki 4 zilizopita)  E….Always (More than 20 times in the last 4 weeks)  Kila mara( Zaidi ya mara 20 katika wiki 4 zilizopita)  DK….Don’t know  Sijui  NA…Not applicable/I don’t have this  Halinihusu/Sina hii | | | |
| WIAS6 | In the last 4 weeks, how frequently has your household **not had enough water** to give to your **animals and poultry?**  Katika wiki 4 zilizopita, ni mara ngapi nyumba yako **haijakuwa na maji ya kutosha** ya kupeana **wanyama na ndege (kuku)** zako? | | A….Never (0 times in the last 4 weeks)  Kamwe ( mara 0 katika wiki 4 zilizopita)  B….Rarely (1–2 times in the last 4 weeks)  Mara chache( mara 1-2 mbili katika wiki 4 zilizopita)  C….Sometimes (3–10 times in the last 4 weeks)  Mara nyingine (mara 3-10 katika wiki 4 zilizopita)  D….Often (11-20 times in the last 4 weeks)  Mara nyingi( Mara 11-20 katika wiki 4 zilizopita)  E….Always (More than 20 times in the last 4 weeks)  Kila mara( Zaidi ya mara 20 katika wiki 4 zilizopita)  DK….Don’t know  Sijui  NA…Not applicable/I don’t have this  Halinihusu/Sina hii | | | |
| 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)?  Katika wiki 4 zilizopita, ni mara ngapi **muda inayotumika kutafuta maji** ilizuia wewe ama mtu yeyote katika nyumba yako **kupata pesa** (kwa mfano, kufanya kazi ya kulipwa, vitu vinavyoleta pesa)? | | A….Never (0 times in the last 4 weeks)  Kamwe ( mara 0 katika wiki 4 zilizopita)  B….Rarely (1–2 times in the last 4 weeks)  Mara chache( mara 1-2 mbili katika wiki 4 zilizopita)  C….Sometimes (3–10 times in the last 4 weeks)  Mara nyingine (mara 3-10 katika wiki 4 zilizopita)  D….Often (11-20 times in the last 4 weeks)  Mara nyingi( Mara 11-20 katika wiki 4 zilizopita)  E….Always (More than 20 times in the last 4 weeks)  Kila mara( Zaidi ya mara 20 katika wiki 4 zilizopita)  DK….Don’t know  Sijui  NA…Not applicable/I don’t have this  Halinihusu/Sina hii | | | |
| WIAS8 | In the last 4 weeks, how frequently have you or anyone in your household **lacked money needed** to buy water?  Katika wiki 4 zilizopita, ni mara ngapi wewe au mtu yeyote katika nyumba yako **alikosa pesa inayohitajika** kununua maji? | | A….Never (0 times in the last 4 weeks)  Kamwe ( mara 0 katika wiki 4 zilizopita)  B….Rarely (1–2 times in the last 4 weeks)  Mara chache( mara 1-2 mbili katika wiki 4 zilizopita)  C….Sometimes (3–10 times in the last 4 weeks)  Mara nyingine (mara 3-10 katika wiki 4 zilizopita)  D….Often (11-20 times in the last 4 weeks)  Mara nyingi( Mara 11-20 katika wiki 4 zilizopita)  E….Always (More than 20 times in the last 4 weeks)  Kila mara( Zaidi ya mara 20 katika wiki 4 zilizopita)  DK….Don’t know  Sijui  NA…Not applicable/I don’t have this  Halinihusu/Sina hii | | | |
| 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**?  Katika wiki 4 zilizopita, ni mara ngapi wewe au mtu yeyote kwa nyumba yako walitaka **kununua maji lakini hakukuwa na mahali pa kuinunua**? | | A….Never (0 times in the last 4 weeks)  Kamwe ( mara 0 katika wiki 4 zilizopita)  B….Rarely (1–2 times in the last 4 weeks)  Mara chache( mara 1-2 mbili katika wiki 4 zilizopita)  C….Sometimes (3–10 times in the last 4 weeks)  Mara nyingine (mara 3-10 katika wiki 4 zilizopita)  D….Often (11-20 times in the last 4 weeks)  Mara nyingi( Mara 11-20 katika wiki 4 zilizopita)  E….Always (More than 20 times in the last 4 weeks)  Kila mara( Zaidi ya mara 20 katika wiki 4 zilizopita)  DK….Don’t know  Sijui  NA…Not applicable/I don’t have this  Halinihusu/Sina hii | | | |
| 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**?Katika wiki 4 zilizopita, ni mara ngapi **muda unaotumika kutafuta** maji umekuzuia au mtu yeyote kwa nyumba yako **kutunza watoto nyumbani**? | | A….Never (0 times in the last 4 weeks)  Kamwe ( mara 0 katika wiki 4 zilizopita)  B….Rarely (1–2 times in the last 4 weeks)  Mara chache( mara 1-2 mbili katika wiki 4 zilizopita)  C….Sometimes (3–10 times in the last 4 weeks)  Mara nyingine (mara 3-10 katika wiki 4 zilizopita)  D….Often (11-20 times in the last 4 weeks)  Mara nyingi( Mara 11-20 katika wiki 4 zilizopita)  E….Always (More than 20 times in the last 4 weeks)  Kila mara( Zaidi ya mara 20 katika wiki 4 zilizopita)  DK….Don’t know  Sijui  NA…Not applicable/I don’t have this  Halinihusu/Sina hii | | | |
| 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.)?  Katika wiki 4 zilizopita, ni mara ngapi **muda inayotumika kutafuta** maji ilizuia wewe au mtu yeyote katika nyumba yako **kufanya kazi za nyumbani** (kama kupika, kutengeneza chakula, kuosha nguo? | | A….Never (0 times in the last 4 weeks)  Kamwe ( mara 0 katika wiki 4 zilizopita)  B….Rarely (1–2 times in the last 4 weeks)  Mara chache( mara 1-2 mbili katika wiki 4 zilizopita)  C….Sometimes (3–10 times in the last 4 weeks)  Mara nyingine (mara 3-10 katika wiki 4 zilizopita)  D….Often (11-20 times in the last 4 weeks)  Mara nyingi( Mara 11-20 katika wiki 4 zilizopita)  E….Always (More than 20 times in the last 4 weeks)  Kila mara( Zaidi ya mara 20 katika wiki 4 zilizopita)  DK….Don’t know  Sijui  NA…Not applicable/I don’t have this  Halinihusu/Sina hii | | | |
| WIAS12 | In the last 4 weeks, how frequently did the **children** in your household **miss school** because they were getting water?  Katika wiki 4 zilizopita, ni mara ngapi **watoto** katika nyumba yako **walikosa kwenda shule** kwa sababu walikuwa wanaleta maji? | | A….Never (0 times in the last 4 weeks)  Kamwe ( mara 0 katika wiki 4 zilizopita)  B….Rarely (1–2 times in the last 4 weeks)  Mara chache( mara 1-2 mbili katika wiki 4 zilizopita)  C….Sometimes (3–10 times in the last 4 weeks)  Mara nyingine (mara 3-10 katika wiki 4 zilizopita)  D….Often (11-20 times in the last 4 weeks)  Mara nyingi( Mara 11-20 katika wiki 4 zilizopita)  E….Always (More than 20 times in the last 4 weeks)  Kila mara( Zaidi ya mara 20 katika wiki 4 zilizopita)  DK….Don’t know  Sijui  NA…Not applicable/I don’t have this  Halinihusu/Sina hii | | | |
| WIAS13 | In the last 4 weeks, how frequently has there **not been enough** water in the household to **wash clothes**?  Katika wiki 4 zilizopita, ni mara ngapi **hakujakuwa na maji ya kutosha** nyumbani ya **kuosha nguo**? | | A….Never (0 times in the last 4 weeks)  Kamwe ( mara 0 katika wiki 4 zilizopita)  B….Rarely (1–2 times in the last 4 weeks)  Mara chache( mara 1-2 mbili katika wiki 4 zilizopita)  C….Sometimes (3–10 times in the last 4 weeks)  Mara nyingine (mara 3-10 katika wiki 4 zilizopita)  D….Often (11-20 times in the last 4 weeks)  Mara nyingi( Mara 11-20 katika wiki 4 zilizopita)  E….Always (More than 20 times in the last 4 weeks)  Kila mara( Zaidi ya mara 20 katika wiki 4 zilizopita)  DK….Don’t know  Sijui  NA…Not applicable/I don’t have this  Halinihusu/Sina hii | | | |
| 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.)?  Katika wiki 4 zilizopita, ni mara ngapi wewe au mtu yeyote kwa nyumba yako ilibidi **wabadilishe chakula yenye ilikuwa iliwe** kwa sababu hakukuwa na maji ya kutosha (kwa mfano, ya kuosha vyakula, kupika, na kadhalika) | | A….Never (0 times in the last 4 weeks)  Kamwe ( mara 0 katika wiki 4 zilizopita)  B….Rarely (1–2 times in the last 4 weeks)  Mara chache( mara 1-2 mbili katika wiki 4 zilizopita)  C….Sometimes (3–10 times in the last 4 weeks)  Mara nyingine (mara 3-10 katika wiki 4 zilizopita)  D….Often (11-20 times in the last 4 weeks)  Mara nyingi( Mara 11-20 katika wiki 4 zilizopita)  E….Always (More than 20 times in the last 4 weeks)  Kila mara( Zaidi ya mara 20 katika wiki 4 zilizopita)  DK….Don’t know  Sijui  NA…Not applicable/I don’t have this  Halinihusu/Sina hii | | | |
| 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?  Katika wiki 4 zilizopita, ni mara ngapi wewe au mtu yeyote katika ilibidi akae **bila kuosha mikono** baada ya kufanya **kazi chafu** (kwa mfano, kunia, kubadilisha nepi, kutoa samati ya wanyama) kwa sababu haukuwa na maji ya kutosha? | | A….Never (0 times in the last 4 weeks)  Kamwe ( mara 0 katika wiki 4 zilizopita)  B….Rarely (1–2 times in the last 4 weeks)  Mara chache( mara 1-2 mbili katika wiki 4 zilizopita)  C….Sometimes (3–10 times in the last 4 weeks)  Mara nyingine (mara 3-10 katika wiki 4 zilizopita)  D….Often (11-20 times in the last 4 weeks)  Mara nyingi( Mara 11-20 katika wiki 4 zilizopita)  E….Always (More than 20 times in the last 4 weeks)  Kila mara( Zaidi ya mara 20 katika wiki 4 zilizopita)  DK….Don’t know  Sijui  NA…Not applicable/I don’t have this  Halinihusu/Sina hii | | | |
| 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?**  Kaika wiki 4 zilizopita, ni mara ngapi wewe au mtu yeyote katika nyumba yako hawakuwa na maji ya kutosha **kuosha nyuzo na mikono za watoto nyumbani mwako**? | | A….Never (0 times in the last 4 weeks)  Kamwe ( mara 0 katika wiki 4 zilizopita)  B….Rarely (1–2 times in the last 4 weeks)  Mara chache( mara 1-2 mbili katika wiki 4 zilizopita)  C….Sometimes (3–10 times in the last 4 weeks)  Mara nyingine (mara 3-10 katika wiki 4 zilizopita)  D….Often (11-20 times in the last 4 weeks)  Mara nyingi( Mara 11-20 katika wiki 4 zilizopita)  E….Always (More than 20 times in the last 4 weeks)  Kila mara( Zaidi ya mara 20 katika wiki 4 zilizopita)  DK….Don’t know  Sijui  NA…Not applicable/I don’t have this  Halinihusu/Sina hii | | | |
| 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?  Katika wiki 4 zilizopita, ni mara ngapi wewe au mtu yeyote katika nyumba yako ilimbidi akose **kuosha mwili yao** kwa sababu hakukuwa na maji ya kutosha? | | A….Never (0 times in the last 4 weeks)  Kamwe ( mara 0 katika wiki 4 zilizopita)  B….Rarely (1–2 times in the last 4 weeks)  Mara chache( mara 1-2 mbili katika wiki 4 zilizopita)  C….Sometimes (3–10 times in the last 4 weeks)  Mara nyingine (mara 3-10 katika wiki 4 zilizopita)  D….Often (11-20 times in the last 4 weeks)  Mara nyingi( Mara 11-20 katika wiki 4 zilizopita)  E….Always (More than 20 times in the last 4 weeks)  Kila mara( Zaidi ya mara 20 katika wiki 4 zilizopita)  DK….Don’t know  Sijui  NA…Not applicable/I don’t have this  Halinihusu/Sina hii | | | |
| 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?  Katika wiki 4 zilizopita, ni mara ngapi wewe au mtu yeyote katika nyumba yako **siku yao imekatizwa kutokani na hali ya maji** nyumba mwako, ikijumuisha kutafuta na kugawanya maji nyumbani mwako? | | A….Never (0 times in the last 4 weeks)  Kamwe ( mara 0 katika wiki 4 zilizopita)  B….Rarely (1–2 times in the last 4 weeks)  Mara chache( mara 1-2 mbili katika wiki 4 zilizopita)  C….Sometimes (3–10 times in the last 4 weeks)  Mara nyingine (mara 3-10 katika wiki 4 zilizopita)  D….Often (11-20 times in the last 4 weeks)  Mara nyingi( Mara 11-20 katika wiki 4 zilizopita)  E….Always (More than 20 times in the last 4 weeks)  Kila mara( Zaidi ya mara 20 katika wiki 4 zilizopita)  DK….Don’t know  Sijui  NA…Not applicable/I don’t have this  Halinihusu/Sina hii | | | |
| 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.)?  Katika wiki 4 zilizopita, ni mara ngapi shida za maji imekuzuia au mtu yeyote kwa nyumba yako **kuhudhuria mambo ya kijamii** (kama vile, kanisa, mikusanyiko ya jamii, na kadhalika)? | | A….Never (0 times in the last 4 weeks)  Kamwe ( mara 0 katika wiki 4 zilizopita)  B….Rarely (1–2 times in the last 4 weeks)  Mara chache( mara 1-2 mbili katika wiki 4 zilizopita)  C….Sometimes (3–10 times in the last 4 weeks)  Mara nyingine (mara 3-10 katika wiki 4 zilizopita)  D….Often (11-20 times in the last 4 weeks)  Mara nyingi( Mara 11-20 katika wiki 4 zilizopita)  E….Always (More than 20 times in the last 4 weeks)  Kila mara( Zaidi ya mara 20 katika wiki 4 zilizopita)  DK….Don’t know  Sijui  NA…Not applicable/I don’t have this  Halinihusu/Sina hii | | | |
| 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.  Katika wiki 4 zilizopita, ni mara ngapi wewe au mtu yeyote katika nyumba yako wametaka **kutibu maji** ili ukiwe safi, lakini hawangeweza? Kwa kutibu, namaanisha kuchemsha, kutumia kemikali kutibu, au njia zingine za kufanya maji yaki iwe salama kutumia au kunywa. | | A….Never (0 times in the last 4 weeks)  Kamwe ( mara 0 katika wiki 4 zilizopita)  B….Rarely (1–2 times in the last 4 weeks)  Mara chache( mara 1-2 mbili katika wiki 4 zilizopita)  C….Sometimes (3–10 times in the last 4 weeks)  Mara nyingine (mara 3-10 katika wiki 4 zilizopita)  D….Often (11-20 times in the last 4 weeks)  Mara nyingi( Mara 11-20 katika wiki 4 zilizopita)  E….Always (More than 20 times in the last 4 weeks)  Kila mara( Zaidi ya mara 20 katika wiki 4 zilizopita)  DK….Don’t know  Sijui  NA…Not applicable/I don’t have this  Halinihusu/Sina hii | | | |
| WIAS21 | In the last 4 weeks, how frequently have you or anyone in your household **drank** **water** that **tasted** **bad**? Katika wiki 4 zilizopita, ni mara ngapi wewe au mtu yeyote kwenye nyumba yako **alikunywa maji** yenye **ilikuwa na ladha mbaya**? | | A….Never (0 times in the last 4 weeks)  Kamwe ( mara 0 katika wiki 4 zilizopita)  B….Rarely (1–2 times in the last 4 weeks)  Mara chache( mara 1-2 mbili katika wiki 4 zilizopita)  C….Sometimes (3–10 times in the last 4 weeks)  Mara nyingine (mara 3-10 katika wiki 4 zilizopita)  D….Often (11-20 times in the last 4 weeks)  Mara nyingi( Mara 11-20 katika wiki 4 zilizopita)  E….Always (More than 20 times in the last 4 weeks)  Kila mara( Zaidi ya mara 20 katika wiki 4 zilizopita)  DK….Don’t know  Sijui  NA…Not applicable/I don’t have this  Halinihusu/Sina hii | | | |
| WIAS22 | In the last 4 weeks, how frequently have you or anyone in your household **actually drank water** that you thought was unsafe?  Katika wiki 4 zilizopita, ni mara ngapi wewe au mtu yeyote kwa nyumba yako **hakika alikunywa maji** yenye ulifikiria is safi? | | A….Never (0 times in the last 4 weeks)  Kamwe ( mara 0 katika wiki 4 zilizopita)  B….Rarely (1–2 times in the last 4 weeks)  Mara chache( mara 1-2 mbili katika wiki 4 zilizopita)  C….Sometimes (3–10 times in the last 4 weeks)  Mara nyingine (mara 3-10 katika wiki 4 zilizopita)  D….Often (11-20 times in the last 4 weeks)  Mara nyingi( Mara 11-20 katika wiki 4 zilizopita)  E….Always (More than 20 times in the last 4 weeks)  Kila mara( Zaidi ya mara 20 katika wiki 4 zilizopita)  DK….Don’t know  Sijui  NA…Not applicable/I don’t have this  Halinihusu/Sina hii | | | |
| WIAS23 | In the last 4 weeks, how frequently have you or anyone in your household asked to **borrow water** from other people?  Katika wiki 4 zilizopita, ni mara ngapi wewe au mtu yeyote kwa nyumba yako **walikopa maji** kwa watu wengine? | | A….Never (0 times in the last 4 weeks)  Kamwe ( mara 0 katika wiki 4 zilizopita)  B….Rarely (1–2 times in the last 4 weeks)  Mara chache( mara 1-2 mbili katika wiki 4 zilizopita)  C….Sometimes (3–10 times in the last 4 weeks)  Mara nyingine (mara 3-10 katika wiki 4 zilizopita)  D….Often (11-20 times in the last 4 weeks)  Mara nyingi( Mara 11-20 katika wiki 4 zilizopita)  E….Always (More than 20 times in the last 4 weeks)  Kila mara( Zaidi ya mara 20 katika wiki 4 zilizopita)  DK….Don’t know  Sijui  NA…Not applicable/I don’t have this  Halinihusu/Sina hii | | | |
| WIAS23a | From whom? Kutoka kwa nani? | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | | | |
| WIAS23b | What were you expected to give in return?  Je ni nini ulitarajiwa kupeana baada ya kupokea maji | |  | | | |
| WIAS24 | In the last 4 weeks, how frequently have you or anyone in your household **loaned water** to anyone?  Katika wiki 4 zilizopita, ni mara ngapi wewe au mtu yeyote kwa nyumba yako **wamekopesha mtu mwingine maji**? | | A….Never (0 times in the last 4 weeks)  Kamwe ( mara 0 katika wiki 4 zilizopita)  B….Rarely (1–2 times in the last 4 weeks)  Mara chache( mara 1-2 mbili katika wiki 4 zilizopita)  C….Sometimes (3–10 times in the last 4 weeks)  Mara nyingine (mara 3-10 katika wiki 4 zilizopita)  D….Often (11-20 times in the last 4 weeks)  Mara nyingi( Mara 11-20 katika wiki 4 zilizopita)  E….Always (More than 20 times in the last 4 weeks)  Kila mara( Zaidi ya mara 20 katika wiki 4 zilizopita)  DK….Don’t know  Sijui  NA…Not applicable/I don’t have this  Halinihusu/Sina hii | | | |
| 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?  Katika wiki 4 zilizopita, ni mara ngapi wewe au mtu yeyote kwa nyumba yako mlikuwa na shida ya maji iliyosababishwa na **shida na majirani** au watu wengine katika jamii? | | A….Never (0 times in the last 4 weeks)  Kamwe ( mara 0 katika wiki 4 zilizopita)  B….Rarely (1–2 times in the last 4 weeks)  Mara chache( mara 1-2 mbili katika wiki 4 zilizopita)  C….Sometimes (3–10 times in the last 4 weeks)  Mara nyingine (mara 3-10 katika wiki 4 zilizopita)  D….Often (11-20 times in the last 4 weeks)  Mara nyingi( Mara 11-20 katika wiki 4 zilizopita)  E….Always (More than 20 times in the last 4 weeks)  Kila mara( Zaidi ya mara 20 katika wiki 4 zilizopita)  DK….Don’t know  Sijui  NA…Not applicable/I don’t have this  Halinihusu/Sina hii | | | |
| 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**?  Katika wiki 4 zilizopita, ni mara ngapi wewe au mtu yeyote katika nyumba yako alikuwa na shida ya maji iliyosababishwa na **shida ndani ya nyumba yako**? | | A….Never (0 times in the last 4 weeks)  Kamwe ( mara 0 katika wiki 4 zilizopita)  B….Rarely (1–2 times in the last 4 weeks)  Mara chache( mara 1-2 mbili katika wiki 4 zilizopita)  C….Sometimes (3–10 times in the last 4 weeks)  Mara nyingine (mara 3-10 katika wiki 4 zilizopita)  D….Often (11-20 times in the last 4 weeks)  Mara nyingi( Mara 11-20 katika wiki 4 zilizopita)  E….Always (More than 20 times in the last 4 weeks)  Kila mara( Zaidi ya mara 20 katika wiki 4 zilizopita)  DK….Don’t know  Sijui  NA…Not applicable/I don’t have this  Halinihusu/Sina hii | | | |
| WIAS27 | In the last 4 weeks, how frequently did you or anyone in your household **feel** **upset** about your water situation?  Katika wiki 4 zilizopita, ni mara ngapi wewe au mtu yeyote katika nyumba yako **alihisi kuudhika** kuhusu hali yenu ya maji? | | A….Never (0 times in the last 4 weeks)  Kamwe ( mara 0 katika wiki 4 zilizopita)  B….Rarely (1–2 times in the last 4 weeks)  Mara chache( mara 1-2 mbili katika wiki 4 zilizopita)  C….Sometimes (3–10 times in the last 4 weeks)  Mara nyingine (mara 3-10 katika wiki 4 zilizopita)  D….Often (11-20 times in the last 4 weeks)  Mara nyingi( Mara 11-20 katika wiki 4 zilizopita)  E….Always (More than 20 times in the last 4 weeks)  Kila mara( Zaidi ya mara 20 katika wiki 4 zilizopita)  DK….Don’t know  Sijui  NA…Not applicable/I don’t have this  Halinihusu/Sina hii | | | |
| 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?  Katika wiki 4 zilizopita, ni mara ngapi **hakujakuwa na maji ya kutosha ya kunywa, jinsi ungependa** kwako au kwa mtu yeyote katika nyumba yako? | | A….Never (0 times in the last 4 weeks)  Kamwe ( mara 0 katika wiki 4 zilizopita)  B….Rarely (1–2 times in the last 4 weeks)  Mara chache( mara 1-2 mbili katika wiki 4 zilizopita)  C….Sometimes (3–10 times in the last 4 weeks)  Mara nyingine (mara 3-10 katika wiki 4 zilizopita)  D….Often (11-20 times in the last 4 weeks)  Mara nyingi( Mara 11-20 katika wiki 4 zilizopita)  E….Always (More than 20 times in the last 4 weeks)  Kila mara( Zaidi ya mara 20 katika wiki 4 zilizopita)  DK….Don’t know  Sijui  NA…Not applicable/I don’t have this  Halinihusu/Sina hii | | | |
| WIAS29 | In the last 4 weeks, how frequently have you or anyone in your household **not had enough water to take medications**?  Katika wiki 4 zilizopita, ni mara ngapi wewe au mtu yeyote katika nyumba yako **hakuwa na maji ya kutosha kumeza dawa**? | | A….Never (0 times in the last 4 weeks)  Kamwe ( mara 0 katika wiki 4 zilizopita)  B….Rarely (1–2 times in the last 4 weeks)  Mara chache( mara 1-2 mbili katika wiki 4 zilizopita)  C….Sometimes (3–10 times in the last 4 weeks)  Mara nyingine (mara 3-10 katika wiki 4 zilizopita)  D….Often (11-20 times in the last 4 weeks)  Mara nyingi( Mara 11-20 katika wiki 4 zilizopita)  E….Always (More than 20 times in the last 4 weeks)  Kila mara( Zaidi ya mara 20 katika wiki 4 zilizopita)  DK….Don’t know  Sijui  NA…Not applicable/I don’t have this  Halinihusu/Sina hii | | | |
| 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?  Katika wiki 4 zilizopita, ni mara ngapi wewe au mtu yeyote katika nyumba yako hawakupata maji mahali ulikokuwa unataka kwa sababu **ulikuwa mgonjwa au mnyonge sana** kuweza kutafuta maji | | A….Never (0 times in the last 4 weeks)  Kamwe ( mara 0 katika wiki 4 zilizopita)  B….Rarely (1–2 times in the last 4 weeks)  Mara chache( mara 1-2 mbili katika wiki 4 zilizopita)  C….Sometimes (3–10 times in the last 4 weeks)  Mara nyingine (mara 3-10 katika wiki 4 zilizopita)  D….Often (11-20 times in the last 4 weeks)  Mara nyingi( Mara 11-20 katika wiki 4 zilizopita)  E….Always (More than 20 times in the last 4 weeks)  Kila mara( Zaidi ya mara 20 katika wiki 4 zilizopita)  DK….Don’t know  Sijui  NA…Not applicable/I don’t have this  Halinihusu/Sina hii | | | |
| WIAS31 | In the last 4 weeks, how frequently have you or anyone in your household gone to **sleep thirsty**?  Katika wiki 4 zilizopita, ni mara ngapi wewe au mtu yeyote kwa nyumba yako **amelala akiwa na kiu**? | | A….Never (0 times in the last 4 weeks)  Kamwe ( mara 0 katika wiki 4 zilizopita)  B….Rarely (1–2 times in the last 4 weeks)  Mara chache( mara 1-2 mbili katika wiki 4 zilizopita)  C….Sometimes (3–10 times in the last 4 weeks)  Mara nyingine (mara 3-10 katika wiki 4 zilizopita)  D….Often (11-20 times in the last 4 weeks)  Mara nyingi( Mara 11-20 katika wiki 4 zilizopita)  E….Always (More than 20 times in the last 4 weeks)  Kila mara( Zaidi ya mara 20 katika wiki 4 zilizopita)  DK….Don’t know  Sijui  NA…Not applicable/I don’t have this  Halinihusu/Sina hii | | | |
| WIAS32 | In the last 4 weeks, how frequently has there been **no water whatsoever** in your household?  Katika wiki 4 zilizopita, ni mara ngapi **kumekosekana maji kabisa** katika nyumba yako? | | A….Never (0 times in the last 4 weeks)  Kamwe ( mara 0 katika wiki 4 zilizopita)  B….Rarely (1–2 times in the last 4 weeks)  Mara chache( mara 1-2 mbili katika wiki 4 zilizopita)  C….Sometimes (3–10 times in the last 4 weeks)  Mara nyingine (mara 3-10 katika wiki 4 zilizopita)  D….Often (11-20 times in the last 4 weeks)  Mara nyingi( Mara 11-20 katika wiki 4 zilizopita)  E….Always (More than 20 times in the last 4 weeks)  Kila mara( Zaidi ya mara 20 katika wiki 4 zilizopita)  DK….Don’t know  Sijui  NA…Not applicable/I don’t have this  Halinihusu/Sina hii | | | |