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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…* |
| **1. Screening Questions** |
| **Code Name** | **Questions** | **Coding Classification** |
| SQ1a | Do you agree to participate in this survey?Bende iyie mar bedo e nonro ni? | 0…No Ooyo1…Yes, Ee |
| SQ2 | Are you 16 years of age or older? Bende in ja higni 16 kata moingo kanyo? | 0…No, Ooyo1…Yes, Ee |
| SQ3 | Would you consider yourself knowledgeable about water acquisition and use within your household? Bende inyalo nenori kaka ng’ama nigi ng’eyo kuom yudo kendo tiyo gi pi e odu? | 0…No, Ooyo1…Yes, Ee |
| SQ4 | If no, who is most knowledgeable about water acquisition and use within your household? Who should I talk to? Ka ooyo, en ng’ano man gi ng’eyo maber mogik kuom yudo kod tiyo gi pi e odu? En ng’ano ma onego awuo godo? |  |
| **2. Socio Demographic Questions** |
| SD1 | Role in household: What is your relationship to the head of your household?Tiji e odu: En tudruok mane man e kindi gi ng’at ma otelo ne odu? | 1….Self, An2….Spouse/partner, Jaode/Jahera3….Adult child, Nyathi maduong’4….Other, machielo |
| SD2 | What is the gender of household head? Ket mar ng’at ma otelo ne odu en? | 0…Male, Dichuo1…Female, Dhako |
| SD3 | How old are you?In ja higni adi? |  |
| SD4 | Who is primarily responsible for making sure there is enough water in the house? En ng’ano ma tije maduong’ en neno ni nitie pi moromo e ot?*If primary responsibility is shared, choose (5) and then also circle the two categories of people who share the responsibility.*  | 1…Self, An2…Spouse/partner, Jaoda/Jaherana3…Children, Nyithindo4…Other family members, Ji mamoko e anyuola5…Shared responsibility, itimo gi ji duto |
| SD5 | How many children (≤16 years) live in your household? Gin nyithindo adi ((higni ≤16) ma odak e odu? |  |
| SD6 | How many adults (>16 years) including yourself live in your household? Gin jomadongo adi ( higni >16) koriwo in ma odak e odi? |  |
| **3. Household Water Insecurity Access Scale (32 items)***Koro adhi penji penjo moko kuom gigo ma iseneno kata ing’eyo kotudore gi pi. Ni moro kamoro kuom gigi, yie inyiswa ni en nyadidi e jumbe ang’wen kata ndalo 30 mokalo. 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? E jumbe 4 mokalo, en nyadidi mane in kata ng’ato machielo e odu ne obedo gi parruok ni ok udhi bedo gi **pi moromo dwaro duto** mag odu? | A….Never (0 times in the last 4 weeks)Podi (Nyadi 0 e jumbe 4 mokalo)B….Rarely (1–2 times in the last 4 weeks)Moluwore matin (Nyadi 1-2e jumbe 4 mokalo)C….Sometimes (3–10 times in the last 4 weeks)Seche moko ( Nyadi 3-10 e jumbe 4 mokalo)D….Often (11-20 times in the last 4 weeks)Moluwore (nyadi 11-20 e jumbe 4 mokalo)E….Always (More than 20 times in the last 4 weeks)Pile (Mokalo ndalo 20 e jumbe 4 mokalo)DK….Don’t knowAkiaNA…Not applicable/I don’t have thisOk otudore koda/Aonge mano |
| 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.*E jumbe 4 mokalo, en nyadidi ma in kata ng’ato machielo e odi bende osebedo gi parruok kuom ler mar pi ne ng’at maomo pi ne joodu? *Ka awacho ni omo, tiende ni:wuotho dhi, twomo pig no, kendo duogo kod pi.* | A….Never (0 times in the last 4 weeks)Podi (Nyadi 0 e jumbe 4 mokalo)B….Rarely (1–2 times in the last 4 weeks)Moluwore matin (Nyadi 1-2e jumbe 4 mokalo)C….Sometimes (3–10 times in the last 4 weeks)Seche moko ( Nyadi 3-10 e jumbe 4 mokalo)D….Often (11-20 times in the last 4 weeks)Moluwore (nyadi 11-20 e jumbe 4 mokalo)E….Always (More than 20 times in the last 4 weeks)Pile (Mokalo ndalo 20 e jumbe 4 mokalo)DK….Don’t knowAkiaNA…Not applicable/I don’t have thisOk otudore koda/Aonge mano |
| 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?E jumbe 4 mokalo, en nyadidi ma in kata ng’ato machielo e odi **oseparo mar wuok** [*nying town*] nikech onge pi kuro? | A….Never (0 times in the last 4 weeks)Podi (Nyadi 0 e jumbe 4 mokalo)B….Rarely (1–2 times in the last 4 weeks)Moluwore matin (Nyadi 1-2e jumbe 4 mokalo)C….Sometimes (3–10 times in the last 4 weeks)Seche moko ( Nyadi 3-10 e jumbe 4 mokalo)D….Often (11-20 times in the last 4 weeks)Moluwore (nyadi 11-20 e jumbe 4 mokalo)E….Always (More than 20 times in the last 4 weeks)Pile (Mokalo ndalo 20 e jumbe 4 mokalo)DK….Don’t knowAkiaNA…Not applicable/I don’t have thisOk otudore koda/Aonge mano |
| WIAS4 | In the last 4 weeks, how frequently has your household **water supply** from your main water source **been** **interrupted**?E jumbe 4 mokalo, en nyadidi ma **yudo pi maru** kowuok e kama uyudo e pi maduong’ **osegang’adore**? | A….Never (0 times in the last 4 weeks)Podi (Nyadi 0 e jumbe 4 mokalo)B….Rarely (1–2 times in the last 4 weeks)Moluwore matin (Nyadi 1-2e jumbe 4 mokalo)C….Sometimes (3–10 times in the last 4 weeks)Seche moko ( Nyadi 3-10 e jumbe 4 mokalo)D….Often (11-20 times in the last 4 weeks)Moluwore (nyadi 11-20 e jumbe 4 mokalo)E….Always (More than 20 times in the last 4 weeks)Pile (Mokalo ndalo 20 e jumbe 4 mokalo)DK….Don’t knowAkiaNA…Not applicable/I don’t have thisOk otudore koda/Aonge mano |
| WIAS5 | In the last 4 weeks, how frequently has your household **not had enough** water for your **garden, crops, or fruit trees**?E jumbe 4 mokalo, en nyadidi ma joodi **pok obedo gi pi moromo** ne **puothi, chambi kata yiend olemo**? | A….Never (0 times in the last 4 weeks)Podi (Nyadi 0 e jumbe 4 mokalo)B….Rarely (1–2 times in the last 4 weeks)Moluwore matin (Nyadi 1-2e jumbe 4 mokalo)C….Sometimes (3–10 times in the last 4 weeks)Seche moko ( Nyadi 3-10 e jumbe 4 mokalo)D….Often (11-20 times in the last 4 weeks)Moluwore (nyadi 11-20 e jumbe 4 mokalo)E….Always (More than 20 times in the last 4 weeks)Pile (Mokalo ndalo 20 e jumbe 4 mokalo)DK….Don’t knowAkiaNA…Not applicable/I don’t have thisOk otudore koda/Aonge mano |
| WIAS6 | In the last 4 weeks, how frequently has your household **not had enough water** to give to your **animals and poultry?**E jumbe 4 mokalo, en nyadidi ma joodu **pok obedo gi pi moromo** miyo **jamni kod gwen**? | A….Never (0 times in the last 4 weeks)Podi (Nyadi 0 e jumbe 4 mokalo)B….Rarely (1–2 times in the last 4 weeks)Moluwore matin (Nyadi 1-2e jumbe 4 mokalo)C….Sometimes (3–10 times in the last 4 weeks)Seche moko ( Nyadi 3-10 e jumbe 4 mokalo)D….Often (11-20 times in the last 4 weeks)Moluwore (nyadi 11-20 e jumbe 4 mokalo)E….Always (More than 20 times in the last 4 weeks)Pile (Mokalo ndalo 20 e jumbe 4 mokalo)DK….Don’t knowAkiaNA…Not applicable/I don’t have thisOk otudore koda/Aonge mano |
| 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)?E jumbe 4 mokalo, en nyadidi ma **thuolo ma itiyo go e manyo** pi ne omoni kata ng’ato machielo e odi dhi **loso pesa** (kuom ranyisi timo tich ma ichulo pesa, gik mamoko ma kelo pesa)? | A….Never (0 times in the last 4 weeks)Podi (Nyadi 0 e jumbe 4 mokalo)B….Rarely (1–2 times in the last 4 weeks)Moluwore matin (Nyadi 1-2e jumbe 4 mokalo)C….Sometimes (3–10 times in the last 4 weeks)Seche moko ( Nyadi 3-10 e jumbe 4 mokalo)D….Often (11-20 times in the last 4 weeks)Moluwore (nyadi 11-20 e jumbe 4 mokalo)E….Always (More than 20 times in the last 4 weeks)Pile (Mokalo ndalo 20 e jumbe 4 mokalo)DK….Don’t knowAkiaNA…Not applicable/I don’t have thisOk otudore koda/Aonge mano |
| WIAS8 | In the last 4 weeks, how frequently have you or anyone in your household **lacked money needed** to buy water?E jumbe 4 mokalo, en nyadidi ma in kata ng’ato machielo e odu **osebedo maonge pesa** ma dwarore e nyiewo pi? | A….Never (0 times in the last 4 weeks)Podi (Nyadi 0 e jumbe 4 mokalo)B….Rarely (1–2 times in the last 4 weeks)Moluwore matin (Nyadi 1-2e jumbe 4 mokalo)C….Sometimes (3–10 times in the last 4 weeks)Seche moko ( Nyadi 3-10 e jumbe 4 mokalo)D….Often (11-20 times in the last 4 weeks)Moluwore (nyadi 11-20 e jumbe 4 mokalo)E….Always (More than 20 times in the last 4 weeks)Pile (Mokalo ndalo 20 e jumbe 4 mokalo)DK….Don’t knowAkiaNA…Not applicable/I don’t have thisOk otudore koda/Aonge mano |
| 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**?E jumbe 4 mokalo, en nyadidi ma in kata ng’ato machielo e odu osedwaro **nyiewo pi to onge kama onyiewe**? | A….Never (0 times in the last 4 weeks)Podi (Nyadi 0 e jumbe 4 mokalo)B….Rarely (1–2 times in the last 4 weeks)Moluwore matin (Nyadi 1-2e jumbe 4 mokalo)C….Sometimes (3–10 times in the last 4 weeks)Seche moko ( Nyadi 3-10 e jumbe 4 mokalo)D….Often (11-20 times in the last 4 weeks)Moluwore (nyadi 11-20 e jumbe 4 mokalo)E….Always (More than 20 times in the last 4 weeks)Pile (Mokalo ndalo 20 e jumbe 4 mokalo)DK….Don’t knowAkiaNA…Not applicable/I don’t have thisOk otudore koda/Aonge mano |
| 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**?E jumbe 4 mokalo, en nyadidi ma **seche ma itiyo go** e manyo pi ne omoni kata omono ng’at machielo e odi **rito nyithindo e ot**? | A….Never (0 times in the last 4 weeks)Podi (Nyadi 0 e jumbe 4 mokalo)B….Rarely (1–2 times in the last 4 weeks)Moluwore matin (Nyadi 1-2e jumbe 4 mokalo)C….Sometimes (3–10 times in the last 4 weeks)Seche moko ( Nyadi 3-10 e jumbe 4 mokalo)D….Often (11-20 times in the last 4 weeks)Moluwore (nyadi 11-20 e jumbe 4 mokalo)E….Always (More than 20 times in the last 4 weeks)Pile (Mokalo ndalo 20 e jumbe 4 mokalo)DK….Don’t knowAkiaNA…Not applicable/I don’t have thisOk otudore koda/Aonge mano |
| 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.)?E jumbe 4 mokalo, en nyadidi ma **thuolo ma itiyo godo** e manyo pi osemoni kata mono ng’ato machielo e odu **timo tije ma e ot** (kaka tedo, loso chiemo, luoko lewni,) | A….Never (0 times in the last 4 weeks)Podi (Nyadi 0 e jumbe 4 mokalo)B….Rarely (1–2 times in the last 4 weeks)Moluwore matin (Nyadi 1-2e jumbe 4 mokalo)C….Sometimes (3–10 times in the last 4 weeks)Seche moko ( Nyadi 3-10 e jumbe 4 mokalo)D….Often (11-20 times in the last 4 weeks)Moluwore (nyadi 11-20 e jumbe 4 mokalo)E….Always (More than 20 times in the last 4 weeks)Pile (Mokalo ndalo 20 e jumbe 4 mokalo)DK….Don’t knowAkiaNA…Not applicable/I don’t have thisOk otudore koda/Aonge mano |
| WIAS12 | In the last 4 weeks, how frequently did the **children** in your household **miss school** because they were getting water? E jumbe 4 mokalo, en nyadidi mane **nyithindo** man e odu **ok odhi siku**l nikech ne gidhi omo pi? | A….Never (0 times in the last 4 weeks)Podi (Nyadi 0 e jumbe 4 mokalo)B….Rarely (1–2 times in the last 4 weeks)Moluwore matin (Nyadi 1-2e jumbe 4 mokalo)C….Sometimes (3–10 times in the last 4 weeks)Seche moko ( Nyadi 3-10 e jumbe 4 mokalo)D….Often (11-20 times in the last 4 weeks)Moluwore (nyadi 11-20 e jumbe 4 mokalo)E….Always (More than 20 times in the last 4 weeks)Pile (Mokalo ndalo 20 e jumbe 4 mokalo)DK….Don’t knowAkiaNA…Not applicable/I don’t have thisOk otudore koda/Aonge mano |
| WIAS13 | In the last 4 weeks, how frequently has there **not been enough** water in the household to **wash clothes**?E jumbe 4 mokalo, en nyadidi ma **ok usebedo gi pi moromo** e odu mar **luoko lewni**? | A….Never (0 times in the last 4 weeks)Podi (Nyadi 0 e jumbe 4 mokalo)B….Rarely (1–2 times in the last 4 weeks)Moluwore matin (Nyadi 1-2e jumbe 4 mokalo)C….Sometimes (3–10 times in the last 4 weeks)Seche moko ( Nyadi 3-10 e jumbe 4 mokalo)D….Often (11-20 times in the last 4 weeks)Moluwore (nyadi 11-20 e jumbe 4 mokalo)E….Always (More than 20 times in the last 4 weeks)Pile (Mokalo ndalo 20 e jumbe 4 mokalo)DK….Don’t knowAkiaNA…Not applicable/I don’t have thisOk otudore koda/Aonge mano |
| 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.)?E jumbe 4 mokalo, en nyadidi ma in kata ng’ato machielo e odu ne **oloko gima onego ocham** nikech ne onge pi moromo (kuom ranyisi luoko chiemo, tedo gi mamoko) | A….Never (0 times in the last 4 weeks)Podi (Nyadi 0 e jumbe 4 mokalo)B….Rarely (1–2 times in the last 4 weeks)Moluwore matin (Nyadi 1-2e jumbe 4 mokalo)C….Sometimes (3–10 times in the last 4 weeks)Seche moko ( Nyadi 3-10 e jumbe 4 mokalo)D….Often (11-20 times in the last 4 weeks)Moluwore (nyadi 11-20 e jumbe 4 mokalo)E….Always (More than 20 times in the last 4 weeks)Pile (Mokalo ndalo 20 e jumbe 4 mokalo)DK….Don’t knowAkiaNA…Not applicable/I don’t have thisOk otudore koda/Aonge mano |
| 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?E jumbe 4 mokalo, en nyadidi ma in kata ng’amachielo e odu **ok oluoko lwetgi** bang’ **timo gik molil** (kaka, pielo kata loko napi mar nyathi, golo owuoyo) nikech ne ok un gi pi moromo? | A….Never (0 times in the last 4 weeks)Podi (Nyadi 0 e jumbe 4 mokalo)B….Rarely (1–2 times in the last 4 weeks)Moluwore matin (Nyadi 1-2e jumbe 4 mokalo)C….Sometimes (3–10 times in the last 4 weeks)Seche moko ( Nyadi 3-10 e jumbe 4 mokalo)D….Often (11-20 times in the last 4 weeks)Moluwore (nyadi 11-20 e jumbe 4 mokalo)E….Always (More than 20 times in the last 4 weeks)Pile (Mokalo ndalo 20 e jumbe 4 mokalo)DK….Don’t knowAkiaNA…Not applicable/I don’t have thisOk otudore koda/Aonge mano |
| 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?**E jumbe 4 mokalo, en nyadidi ma in kata ng’ato machielo e odi ne ok obedo gi pi moromo mar **luoko wange kod lwete nyithindo man e odu**? | A….Never (0 times in the last 4 weeks)Podi (Nyadi 0 e jumbe 4 mokalo)B….Rarely (1–2 times in the last 4 weeks)Moluwore matin (Nyadi 1-2e jumbe 4 mokalo)C….Sometimes (3–10 times in the last 4 weeks)Seche moko ( Nyadi 3-10 e jumbe 4 mokalo)D….Often (11-20 times in the last 4 weeks)Moluwore (nyadi 11-20 e jumbe 4 mokalo)E….Always (More than 20 times in the last 4 weeks)Pile (Mokalo ndalo 20 e jumbe 4 mokalo)DK….Don’t knowAkiaNA…Not applicable/I don’t have thisOk otudore koda/Aonge mano |
| 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?E jumbe 4 mokalo, en nyadidi ma in kata ng’ato machielo e odu ne oriyo ma ok **oluokore** nikech ne onge pi moromo? | A….Never (0 times in the last 4 weeks)Podi (Nyadi 0 e jumbe 4 mokalo)B….Rarely (1–2 times in the last 4 weeks)Moluwore matin (Nyadi 1-2e jumbe 4 mokalo)C….Sometimes (3–10 times in the last 4 weeks)Seche moko ( Nyadi 3-10 e jumbe 4 mokalo)D….Often (11-20 times in the last 4 weeks)Moluwore (nyadi 11-20 e jumbe 4 mokalo)E….Always (More than 20 times in the last 4 weeks)Pile (Mokalo ndalo 20 e jumbe 4 mokalo)DK….Don’t knowAkiaNA…Not applicable/I don’t have thisOk otudore koda/Aonge mano |
| 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? E jumbe 4 mokalo, en nyadidi ma **odiochiengi** kata mar ng’ato machielo e odu **osechachni nikech wach pi**, koriwo yudo kata pogo pi e odu? | A….Never (0 times in the last 4 weeks)Podi (Nyadi 0 e jumbe 4 mokalo)B….Rarely (1–2 times in the last 4 weeks)Moluwore matin (Nyadi 1-2e jumbe 4 mokalo)C….Sometimes (3–10 times in the last 4 weeks)Seche moko ( Nyadi 3-10 e jumbe 4 mokalo)D….Often (11-20 times in the last 4 weeks)Moluwore (nyadi 11-20 e jumbe 4 mokalo)E….Always (More than 20 times in the last 4 weeks)Pile (Mokalo ndalo 20 e jumbe 4 mokalo)DK….Don’t knowAkiaNA…Not applicable/I don’t have thisOk otudore koda/Aonge mano |
| 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.)?E jumbe 4 mokalo, en nyadidi ma chandruok mar pi osemoni kata mono ng’ato machielo e odu **dhi e gik matimore e oganda** (kaka kanisa, liel, chokruok man e oganda e kind mamoko)? | A….Never (0 times in the last 4 weeks)Podi (Nyadi 0 e jumbe 4 mokalo)B….Rarely (1–2 times in the last 4 weeks)Moluwore matin (Nyadi 1-2e jumbe 4 mokalo)C….Sometimes (3–10 times in the last 4 weeks)Seche moko ( Nyadi 3-10 e jumbe 4 mokalo)D….Often (11-20 times in the last 4 weeks)Moluwore (nyadi 11-20 e jumbe 4 mokalo)E….Always (More than 20 times in the last 4 weeks)Pile (Mokalo ndalo 20 e jumbe 4 mokalo)DK….Don’t knowAkiaNA…Not applicable/I don’t have thisOk otudore koda/Aonge mano |
| 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.E jumbe 4 mokalo, en nyadidi ma in kata ng’ato machielo e odu ne odwaro **thiedho pigu**, to ne ok onyal? Ka awacho thiedho, tiende ni chwako, tiyo kod yath e thiedho pi, kata yore mamoko ma miyo pi bedo maber ne tiyo godo kata modho. | A….Never (0 times in the last 4 weeks)Podi (Nyadi 0 e jumbe 4 mokalo)B….Rarely (1–2 times in the last 4 weeks)Moluwore matin (Nyadi 1-2e jumbe 4 mokalo)C….Sometimes (3–10 times in the last 4 weeks)Seche moko ( Nyadi 3-10 e jumbe 4 mokalo)D….Often (11-20 times in the last 4 weeks)Moluwore (nyadi 11-20 e jumbe 4 mokalo)E….Always (More than 20 times in the last 4 weeks)Pile (Mokalo ndalo 20 e jumbe 4 mokalo)DK….Don’t knowAkiaNA…Not applicable/I don’t have thisOk otudore koda/Aonge mano |
| WIAS21 | In the last 4 weeks, how frequently have you or anyone in your household **drank** **water** that **tasted** **bad**? E jumbe 4 mokalo, en nyadidi ma in kata ng’ato machielo e odu ne **omodho pi** ma **ne ok mit**? | A….Never (0 times in the last 4 weeks)Podi (Nyadi 0 e jumbe 4 mokalo)B….Rarely (1–2 times in the last 4 weeks)Moluwore matin (Nyadi 1-2e jumbe 4 mokalo)C….Sometimes (3–10 times in the last 4 weeks)Seche moko ( Nyadi 3-10 e jumbe 4 mokalo)D….Often (11-20 times in the last 4 weeks)Moluwore (nyadi 11-20 e jumbe 4 mokalo)E….Always (More than 20 times in the last 4 weeks)Pile (Mokalo ndalo 20 e jumbe 4 mokalo)DK….Don’t knowAkiaNA…Not applicable/I don’t have thisOk otudore koda/Aonge mano |
| WIAS22 | In the last 4 weeks, how frequently have you or anyone in your household **actually drank water** that you thought was unsafe?E jumbe 4 mokalo, en nyadidi mane in kata ng’ato machielo e odu **ne omodho pi** mane iparo ni ne ok ler? | A….Never (0 times in the last 4 weeks)Podi (Nyadi 0 e jumbe 4 mokalo)B….Rarely (1–2 times in the last 4 weeks)Moluwore matin (Nyadi 1-2e jumbe 4 mokalo)C….Sometimes (3–10 times in the last 4 weeks)Seche moko ( Nyadi 3-10 e jumbe 4 mokalo)D….Often (11-20 times in the last 4 weeks)Moluwore (nyadi 11-20 e jumbe 4 mokalo)E….Always (More than 20 times in the last 4 weeks)Pile (Mokalo ndalo 20 e jumbe 4 mokalo)DK….Don’t knowAkiaNA…Not applicable/I don’t have thisOk otudore koda/Aonge mano |
| WIAS23 | In the last 4 weeks, how frequently have you or anyone in your household asked to **borrow water** from other people?E jumbe 4 mokalo, ne ne nyadidi mane in kata ng’arto machielo e odu okwayo mondo **ohol pi** kuom jomamoko? | A….Never (0 times in the last 4 weeks)Podi (Nyadi 0 e jumbe 4 mokalo)B….Rarely (1–2 times in the last 4 weeks)Moluwore matin (Nyadi 1-2e jumbe 4 mokalo)C….Sometimes (3–10 times in the last 4 weeks)Seche moko ( Nyadi 3-10 e jumbe 4 mokalo)D….Often (11-20 times in the last 4 weeks)Moluwore (nyadi 11-20 e jumbe 4 mokalo)E….Always (More than 20 times in the last 4 weeks)Pile (Mokalo ndalo 20 e jumbe 4 mokalo)DK….Don’t knowAkiaNA…Not applicable/I don’t have thisOk otudore koda/Aonge mano |
| WIAS23a |  From whom? Kuom ng’a? | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| WIAS23b |  What were you expected to give in return?En ang’o mane idwaro mondo ichiw kuom kony ma omiyi no? |  |
| WIAS24 | In the last 4 weeks, how frequently have you or anyone in your household **loaned water** to anyone?E jumbe 4 mokalo, en nyadidi ma in kata ng’ato machielo e odu ne **omiyo ng’ato gop pi?** | A….Never (0 times in the last 4 weeks)Podi (Nyadi 0 e jumbe 4 mokalo)B….Rarely (1–2 times in the last 4 weeks)Moluwore matin (Nyadi 1-2e jumbe 4 mokalo)C….Sometimes (3–10 times in the last 4 weeks)Seche moko ( Nyadi 3-10 e jumbe 4 mokalo)D….Often (11-20 times in the last 4 weeks)Moluwore (nyadi 11-20 e jumbe 4 mokalo)E….Always (More than 20 times in the last 4 weeks)Pile (Mokalo ndalo 20 e jumbe 4 mokalo)DK….Don’t knowAkiaNA…Not applicable/I don’t have thisOk otudore koda/Aonge mano |
| 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? E jumbe 4 mokalo, en nyadidi mane in kata ng’ato machielo e odu obedo gi chandruok mag pi ma obedo nikech **pek ma un go gi jirani** kata ji mamoko e oganda? | A….Never (0 times in the last 4 weeks)Podi (Nyadi 0 e jumbe 4 mokalo)B….Rarely (1–2 times in the last 4 weeks)Moluwore matin (Nyadi 1-2e jumbe 4 mokalo)C….Sometimes (3–10 times in the last 4 weeks)Seche moko ( Nyadi 3-10 e jumbe 4 mokalo)D….Often (11-20 times in the last 4 weeks)Moluwore (nyadi 11-20 e jumbe 4 mokalo)E….Always (More than 20 times in the last 4 weeks)Pile (Mokalo ndalo 20 e jumbe 4 mokalo)DK….Don’t knowAkiaNA…Not applicable/I don’t have thisOk otudore koda/Aonge mano |
| 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**?E jumbe 4 mokalo, en nyadidi mane in kata ng’ato machielo e odu obedo gi chandruok mar pi ma okel kod **pek man eyi odu**? | A….Never (0 times in the last 4 weeks)Podi (Nyadi 0 e jumbe 4 mokalo)B….Rarely (1–2 times in the last 4 weeks)Moluwore matin (Nyadi 1-2e jumbe 4 mokalo)C….Sometimes (3–10 times in the last 4 weeks)Seche moko ( Nyadi 3-10 e jumbe 4 mokalo)D….Often (11-20 times in the last 4 weeks)Moluwore (nyadi 11-20 e jumbe 4 mokalo)E….Always (More than 20 times in the last 4 weeks)Pile (Mokalo ndalo 20 e jumbe 4 mokalo)DK….Don’t knowAkiaNA…Not applicable/I don’t have thisOk otudore koda/Aonge mano |
| WIAS27 | In the last 4 weeks, how frequently did you or anyone in your household **feel** **upset** about your water situation?E jumbe 4 mokalo,en nyadidi ma in kata ng’ato machielo e odu **obedo gi ich wang’** nikech wachu mar pi? | A….Never (0 times in the last 4 weeks)Podi (Nyadi 0 e jumbe 4 mokalo)B….Rarely (1–2 times in the last 4 weeks)Moluwore matin (Nyadi 1-2e jumbe 4 mokalo)C….Sometimes (3–10 times in the last 4 weeks)Seche moko ( Nyadi 3-10 e jumbe 4 mokalo)D….Often (11-20 times in the last 4 weeks)Moluwore (nyadi 11-20 e jumbe 4 mokalo)E….Always (More than 20 times in the last 4 weeks)Pile (Mokalo ndalo 20 e jumbe 4 mokalo)DK….Don’t knowAkiaNA…Not applicable/I don’t have thisOk otudore koda/Aonge mano |
| 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?E jumbe 4 mokalo, en nyadidi ma **ok usebedo gi pi moromo mar modho, kaka unyalo dwaro** ne in kata ng’ato machielo e odu? | A….Never (0 times in the last 4 weeks)Podi (Nyadi 0 e jumbe 4 mokalo)B….Rarely (1–2 times in the last 4 weeks)Moluwore matin (Nyadi 1-2e jumbe 4 mokalo)C….Sometimes (3–10 times in the last 4 weeks)Seche moko ( Nyadi 3-10 e jumbe 4 mokalo)D….Often (11-20 times in the last 4 weeks)Moluwore (nyadi 11-20 e jumbe 4 mokalo)E….Always (More than 20 times in the last 4 weeks)Pile (Mokalo ndalo 20 e jumbe 4 mokalo)DK….Don’t knowAkiaNA…Not applicable/I don’t have thisOk otudore koda/Aonge mano |
| WIAS29 | In the last 4 weeks, how frequently have you or anyone in your household **not had enough water to take medications**?E jumbe 4 mokalo, en nyadidi ma in kata ng’ato machielo e odu **ok obedo gi pi moromo mar mwonyo yath?** | A….Never (0 times in the last 4 weeks)Podi (Nyadi 0 e jumbe 4 mokalo)B….Rarely (1–2 times in the last 4 weeks)Moluwore matin (Nyadi 1-2e jumbe 4 mokalo)C….Sometimes (3–10 times in the last 4 weeks)Seche moko ( Nyadi 3-10 e jumbe 4 mokalo)D….Often (11-20 times in the last 4 weeks)Moluwore (nyadi 11-20 e jumbe 4 mokalo)E….Always (More than 20 times in the last 4 weeks)Pile (Mokalo ndalo 20 e jumbe 4 mokalo)DK….Don’t knowAkiaNA…Not applicable/I don’t have thisOk otudore koda/Aonge mano |
| 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?E jumbe 4 mokalo, en nyadidi ma in kata ng’ato machielo ne ok oyudo pi kama ne udware nikech ne **ituo kata ne dendi owkni ahinya** ma ok ne inyal omo pi? | A….Never (0 times in the last 4 weeks)Podi (Nyadi 0 e jumbe 4 mokalo)B….Rarely (1–2 times in the last 4 weeks)Moluwore matin (Nyadi 1-2e jumbe 4 mokalo)C….Sometimes (3–10 times in the last 4 weeks)Seche moko ( Nyadi 3-10 e jumbe 4 mokalo)D….Often (11-20 times in the last 4 weeks)Moluwore (nyadi 11-20 e jumbe 4 mokalo)E….Always (More than 20 times in the last 4 weeks)Pile (Mokalo ndalo 20 e jumbe 4 mokalo)DK….Don’t knowAkiaNA…Not applicable/I don’t have thisOk otudore koda/Aonge mano |
| WIAS31 | In the last 4 weeks, how frequently have you or anyone in your household gone to **sleep thirsty**?E jumbe 4 mokalo, en nyadidi mane in kata ng’ato machielo e odu ne **odhi nindo ka en gi riyo?** | A….Never (0 times in the last 4 weeks)Podi (Nyadi 0 e jumbe 4 mokalo)B….Rarely (1–2 times in the last 4 weeks)Moluwore matin (Nyadi 1-2e jumbe 4 mokalo)C….Sometimes (3–10 times in the last 4 weeks)Seche moko ( Nyadi 3-10 e jumbe 4 mokalo)D….Often (11-20 times in the last 4 weeks)Moluwore (nyadi 11-20 e jumbe 4 mokalo)E….Always (More than 20 times in the last 4 weeks)Pile (Mokalo ndalo 20 e jumbe 4 mokalo)DK….Don’t knowAkiaNA…Not applicable/I don’t have thisOk otudore koda/Aonge mano |
| WIAS32 | In the last 4 weeks, how frequently has there been **no water whatsoever** in your household?E jumbe 4 mokalo, en nyadidi ma usebedo **maonge pi kata matin** in odu? | A….Never (0 times in the last 4 weeks)Podi (Nyadi 0 e jumbe 4 mokalo)B….Rarely (1–2 times in the last 4 weeks)Moluwore matin (Nyadi 1-2e jumbe 4 mokalo)C….Sometimes (3–10 times in the last 4 weeks)Seche moko ( Nyadi 3-10 e jumbe 4 mokalo)D….Often (11-20 times in the last 4 weeks)Moluwore (nyadi 11-20 e jumbe 4 mokalo)E….Always (More than 20 times in the last 4 weeks)Pile (Mokalo ndalo 20 e jumbe 4 mokalo)DK….Don’t knowAkiaNA…Not applicable/I don’t have thisOk otudore koda/Aonge mano |