Survey Solutions

UNICEF Kenya Mwangaza Mashinani Endline

SURVEY IDENTIFICATION INFORMATION
QUESTIONNAIRE DESCRIPTION

COVER
No sub-sections, No rosters, Questions: 6.

START - FILL IN BEFORE ENTERING HOUSEHOLD
Sub-sections: 5, No rosters, Questions: 27.

CONSENT FORM AND COVID-19 SCREENING QUESTIONS
No sub-sections, No rosters, Questions: 7, Static texts: 4, Variables: 1.

MEMBER BASICS
No sub-sections, Rosters: 2, Questions: 13, Static texts: 3, Variables: 13.

MEMBER DETAILS
Sub-sections: 3, Rosters: 2, Questions: 41, Variables: 8.

HOUSEHOLD MEMBERS HEALTH
No sub-sections, Rosters: 1, Questions: 14, Static texts: 2.

EDUCATION EXPENSES
No sub-sections, No rosters, Questions: 5, Static texts: 1, Variables: 1.

HOUSEHOLD ASSETS
Sub-sections: 1, No rosters, Questions: 17, Static texts: 1.

ACCESS TO ENERGY
Sub-sections: 4, Rosters: 1, Questions: 23, Static texts: 3.

SOLAR PANEL (FOR NON-BENEFICIARY USERS)
Sub-sections: 3, Rosters: 1, Questions: 16, Static texts: 2, Variables: 1.

SOLAR PANEL (FOR BENEFICIARIES)
Sub-sections: 9, Rosters: 1, Questions: 124, Static texts: 3, Variables: 4.

PROMOTION OF SOLAR DEVICES
No sub-sections, No rosters, Questions: 11, Static texts: 1.

COVID-19 BEHAVIOUR AND ACCESS
Sub-sections: 4, No rosters, Questions: 21, Static texts: 2.

WOMAN TIME USE
Sub-sections: 1, No rosters, Questions: 197, Static texts: 7, Variables: 10.

CHILD TIME USE
Sub-sections: 1, No rosters, Questions: 170, Static texts: 7, Variables: 7.

COVID-19 INFO FOR HOUSEHOLDS

No sub-sections, No rosters, No questions, Static texts: 2.

OUTCOME

Sub-sections: 5, No rosters, Questions: 48.

APPENDIX A — ENABLING CONDITIONS

APPENDIX B — VALIDATION CONDITIONS AND MESSAGES

APPENDIX C — INSTRUCTIONS

APPENDIX D — CATEGORIES

APPENDIX E — VARIABLES

APPENDIX F — CATEGORIES FILTERS

LEGEND

Basic information

Title   UNICEF Kenya Mwangaza Mashinani Endline

COVER

Household ID	TEXT `hhID` ....
County - PREFILLED	SINGLE-SELECT `county` 01 ◯ Kilifi 02 ◯ Garissa
Subcounty - PREFILLED	SINGLE-SELECT `subcounty` 01 ◯ Ganze 02 ◯ Magarini 03 ◯ Kaloleni 04 ◯ Ijara 05 ◯ Dadaab 06 ◯ Balambala 07 ◯ Fafi
Location - PREFILLED	SINGLE-SELECT `location` 01 ◯ Abakaile 02 ◯ Balambala 03 ◯ Bandari 04 ◯ Bulushi 05 ◯ Bungale 06 ◯ Chakama 07 ◯ Dadaab 08 ◯ Dagahley 09 ◯ Dagamra 10 ◯ Damajale 11 ◯ Danyere 12 ◯ Dertu 13 ◯ Diiso 14 ◯ Fafi 15 ◯ Gandini 16 ◯ Garissa And 25 other symbols [1]

Sub-location - PREFILLED	SINGLE-SELECT	subloc

01 ◯ Abakaile
02 ◯ Abaqdera
03 ◯ Alinjugur
04 ◯ Bahuri
05 ◯ Balambala
06 ◯ Baraki
07 ◯ Baricho
08 ◯ Bate
09 ◯ Boransis
10 ◯ Bungale
11 ◯ Bura
13 ◯ Chira
14 ◯ Dadaab
15 ◯ Dakacha
16 ◯ Dangarani
17 ◯ Dertu

And 65 other symbols [2]

Village - PREFILLED	TEXT	village

....

START - FILL IN BEFORE ENTERING HOUSEHOLD

Please, look at the tracking sheet and re-enter the *household ID*	TEXT	hhID_chk

V1 `self==hhID`
M1 Must be the same household ID that you entered before. Please, re-check

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INTERVIEWER: Is the household still living in %county%?

SINGLE-SELECT   county_change

01 ◯ Yes
02 ◯ No

INTERVIEWER: In which county is the household living now?

SINGLE-SELECT   county_new

01 ◯ Kilifi
02 ◯ Garissa

E   `county_change==2`
V1 `self!=county`
M1 The new county cannot be the same as the old county

INTERVIEWER: Is the household still living in subcounty: %subcounty%?

SINGLE-SELECT   subcounty_change

01 ◯ Yes
02 ◯ No

E   `county_change==1`

INTERVIEWER: In which subcounty is the household living now?

SINGLE-SELECT   subcounty_new

01 ◯ Ganze
02 ◯ Magarini
03 ◯ Kaloleni
04 ◯ Ijara
05 ◯ Dadaab
06 ◯ Balambala
07 ◯ Fafi

E   `subcounty_change==2 || county_change==2`
V1 `self!=subcounty`
M1 The new subcounty cannot be the same as the old subcounty

INTERVIEWER: Is the household still living in location: %location%?

SINGLE-SELECT   location_change

01 ◯ Yes
02 ◯ No

E   `subcounty_change==1`

INTERVIEWER: In which location is the household living now?

SINGLE-SELECT   location_new

01 ◯ Abakaile
02 ◯ Balambala
03 ◯ Bandari
04 ◯ Bulushi
05 ◯ Bungale
06 ◯ Chakama
07 ◯ Dadaab
08 ◯ Dagahley
09 ◯ Dagamra
10 ◯ Damajale
11 ◯ Danyere
12 ◯ Dertu
13 ◯ Diiso
14 ◯ Fafi
15 ◯ Gandini
16 ◯ Garissa

And 26 other symbols [3]

E   `location_change==2 || county_change==2 || subcounty_change==2`
V1 `self!=location`
M1 The new location cannot be the same as the old location

Please specify other E location_new==88	TEXT	location_new_oth

INTERVIEWER: Is the household still living in sub-location: %subloc%? E location_change==1	SINGLE-SELECT 01 ◯ Yes 02 ◯ No	subloc_change

INTERVIEWER: In which sub-location is the household living now? E subloc_change==2 || location_change==2 || county_change==2 || subcounty_change==2 V1 self!=subloc M1 The new sub-location cannot be the same as the old sub-location	SINGLE-SELECT 01 ◯ Abakaile 02 ◯ Abaqdera 03 ◯ Alinjugur 04 ◯ Bahuri 05 ◯ Balambala 06 ◯ Baraki 07 ◯ Baricho 08 ◯ Bate 09 ◯ Boransis 10 ◯ Bungale 11 ◯ Bura 13 ◯ Chira 14 ◯ Dadaab 15 ◯ Dakacha 16 ◯ Dangarani 17 ◯ Dertu And 66 other symbols [4]	subloc_new

Please specify other E subloc_new==88	TEXT	subloc_new_oth

INTERVIEWER: Is the household still living in village: %village%? E subloc_change==1	SINGLE-SELECT 01 ◯ Yes 02 ◯ No	village_change

INTERVIEWER: In which village is the household living now? I Type the village name E village_change==2 || subloc_change==2 || location_change==2 || county_change==2 || subcounty_change==2	TEXT	village_new

Description of a landmark that will help you track this household - PREFILLED E village_change==1	TEXT	landmark

INTERVIEWER: Do you need to update the description of the landmark? E village_change==1	SINGLE-SELECT 01 ◯ Yes 02 ◯ No	landmark_change

INTERVIEWER: Enter a description of a landmark that will help you track this household E landmark_change==1 || village_change==2 || subloc_change==2 || location_change==2 || county_change==2 || subcounty_change==2	TEXT	landmark_new

Could the household be found?	SINGLE-SELECT	hhfound
	01 ◯ Yes	
	02 ◯ No	

START - FILL IN BEFORE ENTERING HOUSEHOLD
VISIT 1

Date of first visit	DATE: CURRENT TIME	v1_date
	....	

Is an eligible respondent available at the household? The respondent for this survey should be the household head or the most knowledgeable person about this household. The head of the household is the person from a group of household members who is responsible for the daily needs of the household or the person who is considered / appointed as the head of the household	SINGLE-SELECT	v1_avl
	01 ◯ Yes	
	02 ◯ No	

E hhfound==1

START - FILL IN BEFORE ENTERING HOUSEHOLD
VISIT 2

E v1_out.InList(2,4,5,6,10)

Date of second visit	DATE: CURRENT TIME	v2_date
	....	

Is an eligible respondent available at the household? The respondent for this survey should be the household head or the most knowledgeable person about this household. The head of the household is the person from a group of household members who is responsible for the daily needs of the household or the person who is considered / appointed as the head of the household	SINGLE-SELECT	v2_avl
	01 ◯ Yes	
	02 ◯ No	

START - FILL IN BEFORE ENTERING HOUSEHOLD
VISIT 3

E v2_out.InList(2,4,5,6,10)

Date of third visit	DATE: CURRENT TIME	v3_date
	....	

Is an eligible respondent available at the household? The respondent for this survey should be the household head or the most knowledgeable person about this household. The head of the household is the person from a group of household members who is responsible for the daily needs of the household or the person who is considered / appointed as the head of the household	SINGLE-SELECT	v3_avl
	01 ◯ Yes	
	02 ◯ No	

START - FILL IN BEFORE ENTERING HOUSEHOLD

VISIT 4

Date of fourth visit	DATE: CURRENT TIME v4_date
Is an eligible respondent available at the household? The respondent for this survey should be the household head or the most knowledgeable person about this household. The head of the household is the person from a group of household members who is responsible for the daily needs of the household or the person who is considered / appointed as the head of the household	SINGLE-SELECT v4_avl 01 ◯ Yes 02 ◯ No

START - FILL IN BEFORE ENTERING HOUSEHOLD
VISIT 5

Date of fifth visit	DATE: CURRENT TIME v5_date
Is an eligible respondent available at the household? The respondent for this survey should be the household head or the most knowledgeable person about this household. The head of the household is the person from a group of household members who is responsible for the daily needs of the household or the person who is considered / appointed as the head of the household	SINGLE-SELECT v5_avl 01 ◯ Yes 02 ◯ No

CONSENT FORM AND COVID-19 SCREENING QUESTIONS

E `v1_avl==1 || v2_avl==1 || v3_avl==1 || v4_avl==1 || v5_avl==1`

STATIC TEXT

Good morning/ Good evening Madam/Sir,

My Name is _____ and I work for Research Guide Africa. We are a social research agency that uses research to help public sector players be it NGOs, individual consultants, or government agencies to achieve social goals.

We are conducting a study, in collaboration with UNICEF and Oxford Policy Management, to understand the way in which people use lighting in some sub-counties in Kilifi and Garissa. We have authorisation from community leaders and the county governments to conduct this research.

We first visited your household two years ago and asked you to take part in this survey. At the time, you were invited to take part in this survey because you live in one of the communities selected for the present study and your house was selected by chance for this study.
We then attempted to speak to you over the phone a few months ago. We are visiting you again today to conduct a follow up survey. This is expected to be the last time we visit your household as part of this study.

If you choose to take part, we would like to ask you questions about your household's education, health, livelihoods and energy access, and to see if there have been any updates since the last time we spoke.
We would like to interview the head of the household, a female household member and the primary caregiver of a selected child in the household. The interview will take about an hour and a half.

We hope to have a better understanding about current government services designed to improve community and household wellbeing through your participation in the study. However, there may be no other direct personal benefits for you from this research.

You will not be paid for participating in this study.

Any information that is obtained in connection with this study and that can be identified with you will remain confidential and will be disclosed only with your permission.

The study will focus on the average answer within your community and not on individual answers. No one outside of the research team will be able to trace your answers back to you. The honesty of your answers is very important.

Your participation in this study is voluntary. You may decide not to participate or you may leave the study at any time. Before we begin it is very important to know that you are not obliged to participate in this research and can leave anytime you want to. If you do not wish to answer any of the questions, you may skip them and move on to the next question. Your decision will not result in any penalty or loss of benefits to which you are entitled.

There is little risk in taking part in this project. It is possible that you may feel uncomfortable answering some of the questions. You may refuse to answer any questions asked of you.

We have strict measures in place and are following government rules in order to minimise as much as possible the risk of exposure to COVID-19/coronavirus. This is why I am wearing a mask today and will continue to wear it throughout the entire visit. I would also suggest that we conduct the interview somewhere outside but where we can find some privacy. And I would also like to suggest that you also wear a face covering to cover your mouth and nose, to ensure that you are protected. Please be assured that I am taking these measures in order to minimise any risk of your exposure to the virus.

If you have any questions, please feel free to ask the interviewer at any time during the interview.

Is this all clear?

STATIC TEXT

Before I ask for your premission to conduct this research, I would like to ask you a few questions about whether you or anyone in your household are currently experiencing symptoms associated with COVID-19, or if you have been in contact with someone who is. Please note that the ONLY reason we are collecting this information is to keep everyone in the community safe. After my visit with you today, I will be visiting other households in the community to administer the same survey. Therefore, we want to ensure to follow all safety precautions and all government rules in order to protect everyone. The answers you will give us will not be shared with anyone outside of the research team and I want to assure you that we will not share it with anyone else in the community nor will we share it with health providers or government representatives. The information you give will remain confidential.

Within the last 14 days, have you or any member of your household been sick with a suspected or confirmed case of COVID-19/coronavirus?	SINGLE-SELECT cv_hhcvcase 01 ○ Yes 02 ○ No
Within the last 14 days, have you had close contact with someone outside the household who is or was sick with COVID-19/coronavirus? Note that close contact is defined as being within 6 feet of someone for more than 10 consecutive minutes. E cv_hhcvcase==2	SINGLE-SELECT cv_contactcvcase 01 ○ Yes 02 ○ No
Within the last 14 days, have you had a high temperature or the sense of having a fever? E cv_contactcvcase==2	SINGLE-SELECT cv_fever 01 ○ Yes 00 ○ No
Within the last 14 days, have you had a new, continuous cough? E cv_contactcvcase==2	SINGLE-SELECT cv_cough 01 ○ Yes 00 ○ No
Within the last 14 days, have you had a loss of, or change to, your sense of smell or taste? E cv_contactcvcase==2	SINGLE-SELECT cv_sense 01 ○ Yes 00 ○ No
Within the last 14 days, have you had shortness of breath or difficulty breathing? E cv_contactcvcase==2	SINGLE-SELECT cv_shortness 01 ○ Yes 00 ○ No
VARIABLE cv_fever+cv_cough+cv_sense+cv_shortness	LONG symp_sum

STATIC TEXT

E cv_hhcvcase==1 || cv_contactcvcase==1 || symp_sum>1

The answers you have provided indicate that you may be at increased risk for COVID-19. If you are not feeling well, we hope that you feel better soon. Unfortunately, based on this, we would have to postpone our interview today and potentially come back at another time after 14 days. This is to ensure safety for everyone. We would also advise that you avoid contact with others and monitor the health of everyone in your household. Should anyone get ill, we would recommend that you seek medical care as needed. You can call at 719 or text at *719# if you feel unwell.

STATIC TEXT

E cv_hhcvcase==1 || cv_contactcvcase==1 || symp_sum>1

INTERVIEWER: you can now end the interview, but please <u>CONFIRM THE RESPONDENTS' PHONE NUMBER FIRST (go to the Outcome section)</u> and then leave the household immediately. As soon as you leave: 1) sanitise your hands and make sure not to touch your face. 2) Then complete the Outcome section. 3) And then inform your supervisor immediately of the outcome of this interview.

Thank you for answering my questions about COVID-19/coronavirus symptoms. I would now like to ask for your permission to conduct this interview. <u>Do I have your permission to conduct this research</u>? I If the respondent verbally agrees to the survey, please continue to the next section. If the respondent does not agree, then speak to your supervisor. E cv_hhcvcase==2 && cv_contactcvcase==2 && symp_sum<2 V1 self==1 M1 The respondent hasn't agreed to participate. SPEAK TO YOUR SUPERVISOR	SINGLE-SELECT consent 01 ○ Yes 02 ○ No

MEMBER BASICS

E `consent==1`

STATIC TEXT

Thank you for agreeing to participate.

When we spoke to you or a household member of yours last time, we asked for a full list of household members. That is, "THOSE WHO HAVE THEIR MEALS MANAGED FROM ONE KITCHEN, AND HAVE ONE COMMON HOUSEHOLD HEAD AND USUALLY SLEEP FOUR NIGHTS PER WEEK IN THE DWELLING". I am going to read out the list of household members that were listed before and for each person, I'd like you to let me know if they are still part of this household or not.

MEMBER BASICS
Roster: EXISTING MEMBERS
generated by list question `list`

`members`

HIDDEN: LAST VISIT PERSON ID	NUMERIC: INTEGER `preload_pid` SCOPE: HIDDEN ------------------------------.
Is %members% (%preload_sex%, %preload_age%, %preload_relation%) still a member of this household? E `// Activate only for old members preload_pid!=null`	SINGLE-SELECT `mem_current` 01 ◯ Yes 02 ◯ No
HIDDEN: SEX OF %members% PREFILLED	SINGLE-SELECT `preload_sex` SCOPE: HIDDEN 01 ◯ Male 02 ◯ Female
HIDDEN: RELATIONSHIP OF %members% TO THE PREFILLED HEAD OF HOUSEHOLD	SINGLE-SELECT `preload_relation` SCOPE: HIDDEN 01 ◯ Household Head 02 ◯ Spouse (Husband/Wife) 03 ◯ Biological child / stepchild 04 ◯ Adopted child 05 ◯ Sibling (brother/sister) / Brother-in-law / Sister-in-law 06 ◯ Son/daughter in-law 07 ◯ Grandchild 08 ◯ Parent/in-laws 09 ◯ Nephew/Niece 10 ◯ Grandparent 11 ◯ Aunt/uncle 12 ◯ Co-wife 13 ◯ Other relative of household head or spouse
HIDDEN: AGE OF %members% PREFILLED (in completed years).	NUMERIC: INTEGER `preload_age` SCOPE: HIDDEN ------------------------------.
Is there anyone who is a member of your household that I haven't mentioned?	SINGLE-SELECT `othmem` 01 ◯ Yes - RECORD MEMBER AND DETAILS 02 ◯ No

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STATIC TEXT

E   othmem==1

INTERVIEWER: IF THERE ARE NEW HOUSEHOLD MEMBERS, ADD THEIR NAME TO THE LIST BELOW.

List of household members. *Please make sure to provide full names, including nick names as the last name and in brackets.*	LIST list ··

I   INTERVIEWER: ADD NEW MEMBERS HERE. Please type all names in CAPITAL LETTERS.

V1   `othmem==1 ? members.Any(x=>x.preload_pid==null) : true`

M1   Add new members and record their details

Please confirm with the respondent that the roster is complete. *Read all the names back to respondent!* *If any members are missing, please add the remaining names to the list. Otherwise, please proceed to the next section.* *Is the list now complete?*	SINGLE-SELECT listcomp 01 ◯ Yes 02 ◯ No

V1   `self==1`

M1   Make sure the list of the household members is complete before proceeding.

STATIC TEXT

I will now ask some basic questions about each current household member that you have mentioned.

Who will be the main respondent for this interview?	SINGLE-SELECT: LINKED mainresp

MEMBER BASICS
Roster: MEMBER BASICS
generated by list question `list`   memroster

E   `preload_pid==null || mem_current==1 // new member or old member still present`

VARIABLE `preload_pid==null`	BOOLEAN newmem

What is %memroster%'s relationship to the household head?	SINGLE-SELECT memrel 01 ◯ Household Head 02 ◯ Spouse (Husband/Wife) 03 ◯ Biological child / stepchild 04 ◯ Adopted child 05 ◯ Sibling (brother/sister) / Brother-in-law / Sister-in-law 06 ◯ Son/daughter in-law 07 ◯ Grandchild 08 ◯ Parent/in-laws 09 ◯ Nephew/Niece 10 ◯ Grandparent 11 ◯ Aunt/uncle 12 ◯ Co-wife 13 ◯ Other relative of household head or spouse 14 ◯ Other non-relative (domestic help or related to domestic help, or other non-relative)

V1   `memroster.Count(x=>x.memrel==1)==1`

M1   Household must have 1 household head and cannot have more than 1 household head.

W2   `(self==preload_relation && preload_pid!=null) || (self.InRange(1,14) && preload_pid==null)`

M2   Confirm that the relationship has changed since midline

Is %memroster% male or female?	SINGLE-SELECT　　　　　　　　　　　　　　　memsex
W1　(self==preload_sex && preload_pid!=null) || (self.InRang e(1,2) && preload_pid==null)	01　◯　Male 02　◯　Female
M1　Confirm that the sex has changed since midline	

How old is %memroster% in completed years?	NUMERIC: INTEGER　　　　　　　　　　　　　　memagey
I　You must work with the respondent to figure out the age of household members. If the respondent cannot give an exact age, please ask for a n estimate, that is ok.	– .
V1　self>=0 && self<120	
M1　Age must be at least 0 completed years, and it cannot be larger than 1 20 completed years.	
W2　(self==preload_age && preload_pid!=null) || (self.InRang e(-99,120) && preload_pid==null)	
M2　Confirm that the age has changed since midline	

Was %memroster%'s age known or computed?	SINGLE-SELECT　　　　　　　　　　　　　memageyknwn
	01　◯　Known by respondent
	02　◯　Seen on ID or birth certificate 　　　　or other document
	03　◯　Age was computed/estimated

VARIABLE memroster.Where(x=>x.memrel==1 && x.memsex==2).Select(x= >x.@rowcode).ToArray()[0]	LONG　　　　　　　　　　　　femaleheadrowcode

VARIABLE memroster.Count($criteria)	LONG　　　　　　　　　　　　　　　numfem15ab

VARIABLE memroster.Count($criteriasp)	LONG　　　　　　　　　　　　　　numfemsp15ab

VARIABLE (long)Math.Floor(Quest.IRnd()*numfem15ab.Value)	LONG　　　　　　　　　　　　　　　　　　rnd

VARIABLE (long)Math.Floor(Quest.IRnd()*numfemsp15ab.Value)	LONG　　　　　　　　　　　　　　　　　rndsp

VARIABLE memroster.Where($criteria).Select(z=>z.@rowcode).ToArray ()[rnd.Value]	LONG　　　　　　　　　　　　　randfemrespcode

VARIABLE memroster.Where($criteriasp).Select(z=>z.@rowcode).ToArr ay()[rndsp.Value]	LONG　　　　　　　　　　　randfemspousecode

VARIABLE (memroster.Count(x=>x.memrel==1 && x.memsex==2))==1 /* H H head is female */	BOOLEAN　　　　　　　　　　　　　　femalehead

VARIABLE (memroster.Count(x=> x.memrel==2 && x.memsex==2 && x.mem agey>15 && x.memagey<60))==1 /* spouse is female */	BOOLEAN　　　　　　　　　　　　　femalespouse

VARIABLE femalehead==true ? femaleheadrowcode : femalespouse==tru e ? randfemspousecode : numfem15ab!=0 ? randfemrespcode : 100	LONG　　　　　　　　　　　　　　femalerespcode

VARIABLE list.Where(x=>x.Item1==femalerespcode).First().Item2	STRING　　　　　　　　　　　　　　femrespname

VARIABLE memroster.Count($criteria3)>0	BOOLEAN　　　　　　　　　　　　　　eligchild

MEMBER DETAILS

E consent==1 && listcomp==1

MEMBER DETAILS
Roster: MEMBER DETAILS
generated by list question `list`   memdetroster

E preload_pid==null || mem_current==1 // new member or old member still present

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MEMBER DETAILS / MEMBER DETAILS
EDUCATION

E memagey>=3 || memrel==1

Has %memdetroster% ever attended school? E memrel==1 || (preload_pid!=null && memagey>=3 && memagey<=25) || (preload_pid==null && memagey>=3)	SINGLE-SELECT eduatt 01 ◯ Yes 02 ◯ No
What is the highest educational qualification that %memdetroster% has completed? E eduatt==1	SINGLE-SELECT eduql 01 ◯ NONE 02 ◯ CPE/KCPE 03 ◯ KCE/KCSE 04 ◯ KJSE 05 ◯ KACE/EAACE 06 ◯ CERTIFICATE AFTER SECONDARY 07 ◯ PUBLIC INSTITUTION DIPLOMA 08 ◯ PRIVATE INSTITUTION DIPLOMA 09 ◯ DEGREE 10 ◯ POST-GRADUATE DEGREE /DIPLOMA 88 ◯ Other
Please specify other E eduql==88	TEXT eduql_oth ....
Did %memdetroster% attend school in the 2019 school year? E eduatt==1 && memagey>=5 && memagey<=25	SINGLE-SELECT eduatt2019 01 ◯ Yes 02 ◯ No

What school grade/class was %memdetroster% attending in the 2019 school year? E eduatt2019==1 && memagey>=5 && memagey<=25	SINGLE-SELECT edugrd2019 00 ◯ PRE-SCHOOL 01 ◯ PRIMARY STD.1 02 ◯ PRIMARY STD.2 03 ◯ PRIMARY STD.3 04 ◯ PRIMARY STD.4 05 ◯ PRIMARY STD.5 06 ◯ PRIMARY STD.6 07 ◯ PRIMARY STD.7 08 ◯ PRIMARY STD.8 09 ◯ SECONDARY FORM 1 10 ◯ SECONDARY FORM 2 11 ◯ SECONDARY FORM 3 12 ◯ SECONDARY FORM 4 13 ◯ SECONDARY FORM 5 14 ◯ SECONDARY FORM 6 15 ◯ UNIVERSITY 1 And 7 other symbols [5]
Did %memdetroster% attend school (including remote attendance) from January to December 2020? I This should include either physical or remote attendance. E eduatt==1 && memagey>=4 && memagey<=25	SINGLE-SELECT eduattly 01 ◯ Yes 02 ◯ No
What school grade/class was %memdetroster% attending in January to December 2020? E eduattly==1 && memagey>=4 && memagey<=25	SINGLE-SELECT edugrdly 00 ◯ PRE-SCHOOL 01 ◯ PRIMARY STD.1 02 ◯ PRIMARY STD.2 03 ◯ PRIMARY STD.3 04 ◯ PRIMARY STD.4 05 ◯ PRIMARY STD.5 06 ◯ PRIMARY STD.6 07 ◯ PRIMARY STD.7 08 ◯ PRIMARY STD.8 09 ◯ SECONDARY FORM 1 10 ◯ SECONDARY FORM 2 11 ◯ SECONDARY FORM 3 12 ◯ SECONDARY FORM 4 13 ◯ SECONDARY FORM 5 14 ◯ SECONDARY FORM 6 15 ◯ UNIVERSITY 1 And 7 other symbols [6]
From the begining of January 2021 when schools re-opened until end of March 2021 when they closed again, was %memdetroster% enrolled in school? Even if %memdetroster% is currently on school holidays or if schools are temporarily closed due to COVID-19. I Interviewer: if member was enrolled during the period Jan-Mar 2021 but is currently not in school because schools are closed, then count this as YES. E eduatt==1 && memagey>=3 && memagey<=25	SINGLE-SELECT eduenr 01 ◯ Yes 02 ◯ No

What is the grade/class %memdetroster% was enrolled in from January to March 2021?	SINGLE-SELECT	edugrd
E eduenr==1 && memagey>=3 && memagey<=25	00 ⭘ PRE-SCHOOL	
	01 ⭘ PRIMARY STD.1	
	02 ⭘ PRIMARY STD.2	
	03 ⭘ PRIMARY STD.3	
	04 ⭘ PRIMARY STD.4	
	05 ⭘ PRIMARY STD.5	
	06 ⭘ PRIMARY STD.6	
	07 ⭘ PRIMARY STD.7	
	08 ⭘ PRIMARY STD.8	
	09 ⭘ SECONDARY FORM 1	
	10 ⭘ SECONDARY FORM 2	
	11 ⭘ SECONDARY FORM 3	
	12 ⭘ SECONDARY FORM 4	
	13 ⭘ SECONDARY FORM 5	
	14 ⭘ SECONDARY FORM 6	
	15 ⭘ UNIVERSITY 1	
	And 7 other symbols [7]	

Please specify other	TEXT	edugrd_oth
E edugrd==88	....	

Was %memdetroster% attending school from January to March 2021?	SINGLE-SELECT	educur
I Read out answers to respondent	01 ⭘ Yes - in person	
E memagey>=3 && memagey<=25 && eduenr==1	02 ⭘ Yes - remotely	
	03 ⭘ Yes - combination of both in person and remotely	
	04 ⭘ No	

What is the main reason %memdetroster% stopped or never attended school?	SINGLE-SELECT	edudrop

E (educur==4 && memagey>=3 && memagey<=25 && edugrd<15) || (eduatt==2 && memagey>=3 && memagey<=25) || (eduenr==2 && memagey>=3 && memagey<=25)

01 ◯ STILL TOO YOUNG TO ATTEND SCHOOL
02 ◯ NO MONEY FOR SCHOOL COSTS
03 ◯ POOR QUALITY OF SCHOOLS
04 ◯ OWN ILLNESS/DISABILITY
05 ◯ FAMILY ILLNESS/DISABILITY
06 ◯ NOT INTERESTED, LAZY
07 ◯ PARENTS DID NOT WANT THE CHILD TO ATTEND
08 ◯ HAD TO WORK OR HELP AT HOME
09 ◯ SCHOOL TOO FAR FROM HOME
10 ◯ SCHOOL CONFLICT WITH BELIEFS
11 ◯ NOT ABLE TO STUDY AND DO HOMEWORK AT HOME
12 ◯ HOUSEHOLD MEMBER GOT MARRIED
13 ◯ HAVE ENOUGH EDUCATION
14 ◯ SCHOOL CLOSED BECAUSE OF COVID-19
15 ◯ WORRIED ABOUT EXPOSURE TO COVID-19
16 ◯ SCHOOLS OPEN BUT TEACHERS NOT ATTENDING BECAUSE OF COVID-19

And 4 other symbols [8]

Please specify other	TEXT	edudrop_oth

E edudrop==88

....

At any time between January 2021 (when schools reopened) and the end of March 2021 (when they closed again), did %memdetroster% temporarily not attend school, so that %memdetroster% missed more than 2 consecutive weeks of school days?	SINGLE-SELECT	eduwith

E (educur==1 || educur==2 || educur==3) && memagey>=3 && memagey<=25

01 ◯ Yes
02 ◯ No

What was the MAIN reason for %memdetroster% temporarily not attending school? E `eduwith==1 && memagey>=3 && memagey<=25`	SINGLE-SELECT eduwithr
	02 ◯ NO MONEY FOR SCHOOL COSTS
	03 ◯ POOR QUALITY OF SCHOOLS
	04 ◯ OWN ILLNESS/DISABILITY
	05 ◯ FAMILY ILLNESS/DISABILITY
	06 ◯ NOT INTERESTED, LAZY
	07 ◯ HAD TO WORK OR HELP AT HOME
	08 ◯ SCHOOL TOO FAR FROM HOME
	09 ◯ SCHOOL CONFLICT WITH BELIEFS
	10 ◯ NOT ABLE TO STUDY AND DO HOMEWORK AT HOME
	11 ◯ HOUSEHOLD MEMBER GOT MARRIED
	12 ◯ SCHOOL CLOSED TEMPORARILY BECAUSE OF COVID-19
	13 ◯ WORRIED ABOUT EXPOSURE TO COVID-19
	14 ◯ HAD SYMPTOMS OF COVID-19 / WAS INFECTED WITH COVID-19
	15 ◯ TRANSPORT WAS DISRUPTED BECAUSE OF COVID-19
	16 ◯ TEACHERS DID NOT ATTEND BECAUSE OF COVID-19
	17 ◯ HOUSEHOLD MEMBER GOT PREGNANT/HAD A BABY
	And 1 other symbols [9]

Please specify other E `eduwithr==88`	TEXT eduwithr_oth
	....

VARIABLE `edugrd.InRange(1,8)`	BOOLEAN primschchild

MEMBER DETAILS / MEMBER DETAILS
INCOME SOURCES
E `memagey>14 || memrel==1`

During the last seven days, did %memdetroster% do any kind of work? I This includes any work that is paid or unpaid inside the household or work outside the household that is paid.	SINGLE-SELECT work
	01 ◯ Yes
	02 ◯ No

Even if %memdetroster% didn't work in the last seven days, does %memdetroster% have work to return to? I This includes any work that is paid or unpaid inside the household or work outside the household that is paid. The household member should be returning to this work within one month. E `work==2`	SINGLE-SELECT work1
	01 ◯ Yes
	02 ◯ No

What type of work does %memdetroster% do?	MULTI-SELECT	workocc

I Select all that apply.
E work==1 || work1==1

01 ☐	Herding/Livestock producer (for yourself/unpaid)
02 ☐	Herding/Livestock producer (paid)
03 ☐	Livestock trader
04 ☐	Farming/Agricultural producer
05 ☐	Farming for own consumption
06 ☐	Fishmonger, fisherman (paid)
07 ☐	Fishing for own consumption
08 ☐	Teacher at school
09 ☐	Tutor (self-employed)
10 ☐	Religious teacher/leader (at madrasa)
11 ☐	Religious tutor (self-employed)
12 ☐	Handicraft workers
13 ☐	Potters, Glass-Makers and Related Trades Workers
14 ☐	Butchers, Fishmongers and Related Food Preparers
15 ☐	Bakers, Pastry-Cooks and Confectionery Makers
16 ☐	Woodworking Trades Workers

And 17 other symbols [10]

Please specify other

TEXT   workocc_oth

E workocc.Contains(88)

....

MEMBER DETAILS / MEMBER DETAILS / INCOME SOURCES
Roster: INCOME ROSTER
generated by multi-select question workocc

incroster

E work==1 || work1==1

Did %memdetroster% start work as a %incroster% within the last 12 months?	SINGLE-SELECT	workstart
	01 ○ Yes	
	02 ○ No	

How many hours does %memdetroster% work as %incroster% on a usual week?

NUMERIC: DECIMAL   workhh

I If seasonal work: A usual week refers to a usual week for this season of the year.
V1 self<=168
M1 There are not more than 168 hours in one week please correct

---

Where does %memdetroster% work as %incroster%?	SINGLE-SELECT	workloc
	01 ○ At home	
	02 ○ Away from home	

Does %memdetroster% use any artificial light to work as %incroster%?

SINGLE-SELECT   worklight

01 ○ Yes
02 ○ No

I Select 'yes' if %memdetroster% uses artificial lighting for some of the time whilst working (e.g. if work continues into darkness hours)
E workloc==1

What type of light does %memdetroster% mostly use to work as %incroster%?	SINGLE-SELECT	worklghttype
E worklight==1	01 ◯ Candle	
	02 ◯ Kerosene/Paraffin/Tin lamp/lantern	
	03 ◯ Diesel/gasoline lamp	
	04 ◯ LPG (gas) lamp	
	05 ◯ Biogas lamp	
	06 ◯ Dry-cell battery torch	
	07 ◯ Rechargeable battery	
	08 ◯ Solar lantern	
	09 ◯ Solar home system	
	10 ◯ Mini-grid	
	11 ◯ National grid (KPLC)	
	12 ◯ Mobile phone torch	
	13 ◯ Generator	
	14 ◯ Firewood	
	15 ◯ Solar torch	
	88 ◯ Other	

Please specify other	TEXT	worklghttype_oth
E worklghttype==88	....	

How many hours does %memdetroster% use artificial light to work as %incroster% on a usual week?	NUMERIC: DECIMAL	workhhd
E workhh>0 && worklight==1	- - - - - - - - - - - - - - - - .	
V1 self<=workhh		
M1 The number of hours working in the dark can't be greater than the total number of hours worked		

How much did %memdetroster% earn from %incroster% in the last 30 days (in KSHS)?	NUMERIC: INTEGER	workpay
I Enter -98 if the respondent refuses This should include in-kind payments. If %memdetroster% was paid in-kind for this work, calculate the value of the goods received in KSHS. Try to help the respon And 63 other symbols [1]	- - - - - - - - - - - - - - - - .	
E @rowcode.InList(2,3,4,6,8,9,10,11,12,13,14,15,16,17,18,19,20,21,23,24,25,26,27,29,30,31,32,88)		
W1 self<20000		
M1 High pay: confirm with respondent		

What is the main reason that %memdetroster% is not working?	SINGLE-SELECT	noworkact
E work==2 && work1==2	01 ◯ Too old	
	02 ◯ Unable	
	03 ◯ Unemployed (no opportunity to work, cannot find work)	
	04 ◯ Attending education	
	05 ◯ Attending vocational training	
	06 ◯ Volunteering/ charity work	
	07 ◯ No work due to COVID-19/coronavirus	
	88 ◯ Other (specify)	

Please specify other	TEXT	noworkact_oth
E noworkact==88	....	

Since the schools reopened in January 2021, has the work activities %memdetroster% engages in changed?	SINGLE-SELECT · inc_chg
E `work==1 || work1==1`	01 ⭘ Yes 02 ⭘ No

Why has %memdetroster% changed the work activities they engage in since the schools reopened?	SINGLE-SELECT · inc_chg_rsn
E `inc_chg==1`	01 ⭘ Due to revisions to COVID-19 government rules 02 ⭘ Changed to another activity which generates more income 03 ⭘ Unable to work in former activity (e.g. injured) 04 ⭘ Due to economic effects from COVID-19 88 ⭘ Other (specify)

Please specify other	TEXT · inc_chg_rsn_oth
E `inc_chg_rsn==88`	....

Does %memdetroster% belong to a merry-go-round or community savings scheme?	SINGLE-SELECT · inc_sav
	01 ⭘ Yes 02 ⭘ No

MEMBER DETAILS / MEMBER DETAILS / INCOME SOURCES
REMITTANCES AND GIFTS

E `memrel==1`

Do you have any friends, family members or relatives living in another household inside Kenya or in another country outside Kenya who have ever sent you/this household money for your use?	MULTI-SELECT · remitfam
V1 `self.ContainsOnly(4) || !self.Contains(4)` M1 You cannot select 'No' and another option	01 ☐ Yes, family members or relatives INSIDE Kenya 02 ☐ Yes, family members or relatives OUTSIDE Kenya 03 ☐ Yes, friends inside or outside Kenya 04 ☐ No

How frequently do your family members or relatives living in another household inside Kenya send you/this household money for your use?	SINGLE-SELECT · remitfrqint
I Read the answer options to the respondent if necessary E `remitfam.Contains(1)`	01 ⭘ 2 times a month or more 02 ⭘ Once a month 03 ⭘ Every 2 to 3 months 04 ⭘ Every 4 to 6 months 05 ⭘ About once a year 06 ⭘ Less than once a year -99 ⭘ Don't know

How much money (in KSHS), on average, do your family members or relatives living in another household inside Kenya send to you/this household for your use each time?	NUMERIC: INTEGER · remitamntint
I This should include the value of any payments made on behalf of the household (e.g. family member or relative paid school fees, medical bills). Enter -98 if the respondent refuses Try to help the r And 73 other symbols [2] E `remitfrqint<6 && remitfrqint!=-99` W1 `self<20000` M1 Remittance amount is too high: confirm	- .

How frequently do your family members or relatives living OUTSIDE Kenya send you/this household money for your use?	SINGLE-SELECT	remitfrqext

I Read the answer options to the respondent if necessary
E `remitfam.Contains(2)`

01 ◯ 2 times a month or more
02 ◯ Once a month
03 ◯ Every 2 to 3 months
04 ◯ Every 4 to 6 months
05 ◯ About once a year
06 ◯ Less than once a year
-99 ◯ Don't know

How much money (in KSHS), on average, do your family members or relatives living OUTSIDE Kenya send to you/this household for your use each time?	NUMERIC: INTEGER	remitamntext

` - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - .`

I This should include the value of any payments made on behalf of the household (e.g. family member or relative paid school fees, medical bills). Enter -98 if the respondent refuses Try to help the r
   And 73 other symbols [3]
E `remitfrqext<6 && remitfrqext!=-99`
W1 `self<20000`
M1 Remittance amount is too high: confirm

How frequently do your friends living inside Kenya or outside Kenya send you/this household money for your use?	SINGLE-SELECT	remitfrqfrnd

I Read the answer options to the respondent if necessary
E `remitfam.Contains(3)`

01 ◯ 2 times a month or more
02 ◯ Once a month
03 ◯ Every 2 to 3 months
04 ◯ Every 4 to 6 months
05 ◯ About once a year
06 ◯ Less than once a year
-99 ◯ Don't know

How much money (in KSHS), on average, do your friends living inside Kenya or outside Kenya send to you/this household for your use each time?	NUMERIC: INTEGER	remitamntfrnd

` - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - .`

I This should include the value of any payments made on behalf of the household (e.g. friend paid school fees, medical bills). Enter -98 if the respondent refuses Try to help the respondent calculate
   And 54 other symbols [4]
E `remitfrqfrnd<6 && remitfrqfrnd!=-99`
W1 `self<20000`
M1 Remittance amount is too high: confirm

VARIABLE `memroster.Count($criteria2)`	LONG	numprischch

VARIABLE `memroster.Count($criteria4)`	LONG	numenrschl

VARIABLE `memroster.Count($criteria5)`	LONG	numtimeusechld

VARIABLE `memdetroster.Where( p=>IsAnswered(p.list) && IsAnswered(p.memagey) && IsAnswered(p.edugrd) ).Where( p=>p.memagey.InRange(9,14) && p.edugrd.InRange(1,8) ).OrderBy(p=>p.mema` And 41 other symbols [1]	LONG	childprim914

VARIABLE
 	
`memdetroster.Where( p=>IsAnswered(p.list)  && IsAnswered`
`(p.memagey) && IsAnswered(p.edugrd) ).Where( p=>p.edugrd`
`.InRange(1,8) ).OrderBy(p=>p.memagey).ThenBy(p=>p.edugrd`
`).First().`
 	
[And 8 other symbols [2]](#)
	LONG	childprim

VARIABLE
 	
`numtimeusechld!=0 ? childprim914 : numprischch!=0 ? chil`
`dprim : 100`
	LONG	childrespcode

VARIABLE `list.Where(x=>x.Item1==childrespcode).First().Item2`	STRING	childrespname

HOUSEHOLD MEMBERS HEALTH

E `consent==1 && listcomp==1`

STATIC TEXT

Now, I'd like to ask you some questions about your household members' health. Please note that these questions are not related to COVID-19/coronavirus. We are working with the Mwangaza Mashinani project which is providing clean energy for lighting to households which might reduce indoor air pollution which is linked to some illnesses. We are therefore asking these questions to understand the health status of household members. I'd like to remind you that answers you provide will not be shared outside of the research team and will remain confidential and anonymous.

STATIC TEXT

Please note that these questions are not related to COVID-19/coronavirus.

HOUSEHOLD MEMBERS HEALTH
Roster: HEALTH ROSTER
generated by list question `list`   healthroster

E `preload_pid==null || mem_current==1 // new member or old member still present`

Has %healthroster% had an illness with a cough at any time in the last 2 weeks?	SINGLE-SELECT 01 ◯ Yes 02 ◯ No -99 ◯ Don't know	cough
When %healthroster% had an illness with a cough, was this cough a dry cough? I A dry cough is a cough that doesn't bring up mucus. E `cough==1`	SINGLE-SELECT 01 ◯ Yes 02 ◯ No -99 ◯ Don't know	coughdry
When %healthroster% had an illness with a cough, did %healthroster% have a fever? E `cough==1`	SINGLE-SELECT 01 ◯ Yes 02 ◯ No -99 ◯ Don't know	coughfev
When %healthroster% had an illness with a cough, did %healthroster% breathe faster than usual with short, rapid breaths or have difficulty breathing? E `cough==1`	SINGLE-SELECT 01 ◯ Yes 02 ◯ No -99 ◯ Don't know	coughdif
Was %healthroster% having fast or difficult breathing due to a problem in the chest or to blocked or runny nose? E `coughdif==1`	SINGLE-SELECT 01 ◯ Chest only 02 ◯ Nose only 03 ◯ Both 88 ◯ Other -99 ◯ Don't know	coughr
Please specify other E `coughr==88`	TEXT	coughr_oth
Has %healthroster% had an illness with a fever at any time in the last 2 weeks? E `cough==2 || cough==-99`	SINGLE-SELECT 01 ◯ Yes 02 ◯ No -99 ◯ Don't know	fever

Has %healthroster% experienced watery eyes or eye irritation in the last one month due to smoke?	SINGLE-SELECT eye 01 ◯ Yes 02 ◯ No -99 ◯ Don't know

When does the watery eyes or eye irritation happen? E eye==1 V1 self.ContainsOnly(5) || !self.Contains(5) M1 Cannot select 'All the time' and another option	MULTI-SELECT eyecause 01 ☐ While cooking 02 ☐ While others are cooking 03 ☐ While doing homework 04 ☐ While reading or studying 05 ☐ All the time 88 ☐ Other

Please specify other E eyecause.Contains(88)	TEXT eyecause_oth ....

How does %healthroster% address this problem? E eye==1 V1 self.ContainsOnly(5) || !self.Contains(5) M1 Cannot select 'do nothing' and another option V2 self.ContainsOnly(-99) || !self.Contains(-99) M2 Cannot select 'don't know' and another option at the same time	MULTI-SELECT eyelvl 01 ☐ Need to have a break from activity 02 ☐ Need to close eyes 03 ☐ Need to splash water 04 ☐ Need to wipe eyes 05 ☐ Do nothing 88 ☐ Other -99 ☐ Don't know

Please specify other E eyelvl.Contains(88)	TEXT eyelvl_oth ....

In the process of using lighting fuel, has %healthroster% experienced any burns in this household in the past six months? I Probe if the respondent answers 'Don't know'	SINGLE-SELECT burn 01 ◯ Yes 02 ◯ No -99 ◯ Don't know

What was the health expenditure on %healthroster% related to coughs, respiratory illness, fever, watery eyes and burns due to lighting fuel in the last 6 months (KSHS)?	NUMERIC: INTEGER health_exp - SPECIAL VALUES -99 Don't know 00 Zero

EDUCATION EXPENSES

E `consent==1 && listcomp==1 && numenrschl>0`

STATIC TEXT

Now, I will ask you about all of the education expenses that you have incurred since schools reopened in January 2021 for all your children going to school

Between January 2021 when schools reopened until the end of March 2021 when they closed again, did you or any member of the household spend money on any of the following items related to education? I Please ensure to read out ALL options. Please select 'yes' or 'no' for EACH ITEM. V1 `eduexp.Missing.Length==0` M1 All items in the list have not been marked either 'yes' or 'no'. Please complete the list in order to proceed to the next section.	MULTI-SELECT: YES/NO eduexp 01 ☐ / ☐ Tuition fees 02 ☐ / ☐ Books & other materials 03 ☐ / ☐ Uniform including other clothing 04 ☐ / ☐ Boarding fees 05 ☐ / ☐ Contribution for school building or maintenance 06 ☐ / ☐ Transport costs 07 ☐ / ☐ Extra tuition fees 08 ☐ / ☐ PTA & other related fees 09 ☐ / ☐ Examination fees 10 ☐ / ☐ Pocket Money & Shopping 11 ☐ / ☐ Fees for extra-curricular activities 12 ☐ / ☐ Masks/face coverings for COVID-19 88 ☐ / ☐ Other Expenses
Specify other education expenditure E `eduexp.Yes.Contains(88)`	TEXT eduexp_oth ....
How much was spent overall on education since schools reopened in January 2021 until the end of March 2021? (in KSHS) I This should be the total expenditure for the months of January, February and March 2021 for all school going children. School going children are those who are under 19 years old (pre-primary, primary And 49 other symbols [5] E `eduexp.Yes.Length>0` V1 `self>=0 || self==-99` M1 Value reported must not be below zero or -99 only	NUMERIC: INTEGER eduexpval -
What mode of transport does %childrespname% usually take to get to school?	SINGLE-SELECT edumode 01 ◯ Walk 02 ◯ Bicycle 03 ◯ Boda boda 04 ◯ Bus 05 ◯ Car
How long does it take %childrespname% to travel from this dwelling to the primary school that they attend using the usual mode of transport? I Enter hours and minutes. If the time taken to travel to school is less than one (01) hour, type 00 for the hours followed by the number of minutes. This is travel time using any mode of transport. V1 `IsMilitaryTime(edutime_str)` M1 Please enter a valid time.	TEXT edutime ....
VARIABLE `Concat(edutime.Left(2), edutime.Right(2))`	STRING edutime_str

HOUSEHOLD ASSETS

E `consent==1 && listcomp==1`

How many rooms are there in the household?

I Include any rooms used for sleeping or spending time in. This includes all rooms in the homestead including the kitchen. Do not include any toilets/bathrooms.

W1 `self<30`

M1 This number seems very high! Check that this is correct

V2 `self>0`

M2 Number of rooms cannot be zero

NUMERIC: INTEGER   `numrooms`

‑ .

Does the household own any of the following items?

I Where applicable, these should be in working condition.

V1 `self.Missing.Length==0`

M1 All items in the list have not been marked either 'yes' or 'no'. Please complete the list in order to proceed to the next section.

MULTI-SELECT: YES/NO   `assets`

01 ☐ / ☐ Jiko
02 ☐ / ☐ Kerosene stove
03 ☐ / ☐ Leather/ stick bed
04 ☐ / ☐ Mattress
05 ☐ / ☐ Hides
06 ☐ / ☐ Metal box/ trunk
07 ☐ / ☐ Basket
08 ☐ / ☐ Mosquito net
09 ☐ / ☐ Gourd
10 ☐ / ☐ Bucket
11 ☐ / ☐ Mat (Mkeka)
12 ☐ / ☐ Saw
13 ☐ / ☐ Torch/ electric lamp
14 ☐ / ☐ Jerry can (3l, 5l, 10l, 20l)
15 ☐ / ☐ Radio (stand alone)
16 ☐ / ☐ Other jewellery (gold, silver)

And 16 other symbols [11]

What is the location of the main cooking area/kitchen?

I Ask respondent to show you where the household cooking takes place and select the answer that best describes this.

SINGLE-SELECT   `cookloc`

01 ◯ Outdoor
02 ◯ Enclosed detached
03 ◯ Enclosed attached
04 ◯ Indoor without partition
05 ◯ Indoor with partition
88 ◯ Other

Please specify other

E `cookloc==88`

TEXT   `cookloc_oth`

∙∙∙

Does the household's kitchen have a chimney?

E `cookloc!=1`

SINGLE-SELECT   `cookchim`

01 ◯ Yes
02 ◯ No
-99 ◯ Don't know

What is the primary type of appliance used for cooking?	SINGLE-SELECT	cooktype

I Ask the respondent to show you the main type of appliance used for cooking and select the answer that best describes this.

- 01 ◯ Traditional stone fire
- 02 ◯ Improved traditional stone fire
- 03 ◯ Ordinary jiko
- 04 ◯ Improved jiko
- 05 ◯ Kerosene stove
- 06 ◯ Gas cooker
- 07 ◯ Electric cooker
- 88 ◯ Other

Please specify other	TEXT	cooktype_oth

E cooktype==88

....

What is the main source of cooking fuel?	SINGLE-SELECT	cookfuel

- 01 ◯ Electricity
- 02 ◯ Paraffin/kerosene
- 03 ◯ Gas
- 04 ◯ Firewood
- 05 ◯ Charcoal
- 06 ◯ Biomass residue (agricultural waste)
- 88 ◯ Other

Please specify other	TEXT	cookfuel_oth

E cookfuel==88

....

How much did you spend on %cookfuel% for cooking in the last 30 days (in KSHS)?	NUMERIC: INTEGER	cookexp

I Type -98 if the respondent refuses. Type -99 if the respondent does not know but first try to help the respondent work out cooking fuel expenditure.

W1 self<10000

M1 Cooking expenditure is high

Has your household received a new cooker stove since the start of February 2021 from an organisation or suppliers operating in the community?	SINGLE-SELECT	new_cookstove

- 01 ◯ Yes
- 02 ◯ No

How many working mobile phones does the household have?	NUMERIC: INTEGER	nummob

E assets.Yes.Contains(32)

V1 self>0

M1 The respondent owns at least a mobile phone. The number of mobile phones has to be above zero

Is there network access at home to use the mobile phone?	SINGLE-SELECT	assetsnetwork

E assets.Yes.Contains(32)

- 01 ◯ Yes, always
- 02 ◯ Yes, most of the time
- 03 ◯ Sometimes
- 04 ◯ Rarely
- 05 ◯ No, there is no network

HOUSEHOLD ASSETS

MOBILE PHONE CHARGING

E assets.Yes.Contains(32)

STATIC TEXT

Now I would like to ask you some questions about charging your household's mobile phones.

Are you able to recharge your households' mobile phones in your house?	SINGLE-SELECT	solarphone
	01 ◯ Yes	
	02 ◯ No	

Are you able to recharge your households' mobile phones within 500m from your house? I 500m takes about 5 or 6 minutes to walk. E `solarphone==2`	SINGLE-SELECT	phone500
	01 ◯ Yes	
	02 ◯ No	

How many times per month do you recharge your households' mobile phone(s) outside the household? I This is the total number of times to charge all phones in the household. E `solarphone==2` V1 `self>=0` M1 Number of times must be positive W2 `self<60` M2 Warning: check that household charges phone more than 60 times a month	NUMERIC: INTEGER	phonecha
	---	

How much does it cost to recharge your mobile phone each time (in KSHS)? I Please enter the cost for one time E `solarphone==2 && phonecha>0` V1 `self>=0` M1 Cost must not be below zero	NUMERIC: INTEGER	phonechaexp
	---	

ACCESS TO ENERGY

E `consent==1 && listcomp==1`

Is this household part of the Mwangaza Mashinani project? Households who are part of the Mwangaza Mashinani project would have received a solar home system from either BioLite or d.Light providers. They would have also received a cash top-up to their Inua Jamii payment and been expected to make payments to the solar device providers over a period of time.

I Probe to ensure that the respondent understands what you mean by the Mwangaza Mashinani project.

W1 `(self==2 && (subcounty==3 || subcounty==6) && (subcounty_new==3 || subcounty_new==6 || subcounty_change==1)) || ((self==1 || self==2) && (subcounty.InList(1,2,4,5,7) || subcounty_new.InList(1,2,4,5,7)` And 2 other symbols [1]

M1 Warning: are you sure a household in a control subcounty was part of the Mwangaza project??

SINGLE-SELECT	treat
01 ◯ Yes	
02 ◯ No	

STATIC TEXT

Now I would like to ask you some questions about the sources of ligting used in the household

---

ACCESS TO ENERGY
LIGHTING SOURCES

Has your household used any of the following lighting sources in the last 30 days?

I Please ensure to read out ALL options. Please select 'yes' or 'no' for EACH ITEM.

V1 `lightsr.Missing.Length==0`

M1 All items in the list have not been marked either 'yes' or 'no'. Please complete the list in order to proceed to the next section.

MULTI-SELECT: YES/NO		lightsr
01	☐ / ☐	Candle
02	☐ / ☐	Kerosene/Paraffin/Tin lamp/lantern
03	☐ / ☐	Diesel/gasoline lamp
04	☐ / ☐	LPG (gas) lamp
05	☐ / ☐	Biogas lamp
06	☐ / ☐	Dry-cell battery torch
07	☐ / ☐	Rechargeable battery
08	☐ / ☐	Solar lantern
09	☐ / ☐	Solar home system
10	☐ / ☐	Mini-grid
11	☐ / ☐	National grid (KPLC)
12	☐ / ☐	Mobile phone torch
13	☐ / ☐	Generator
14	☐ / ☐	Firewood
15	☐ / ☐	Solar torch
88	☐ / ☐	Other

Please specify other

E `lightsr.Yes.Contains(88)`

TEXT	lightsr_oth
....	

STATIC TEXT

E `lightsr.Missing.Length==0`

All items have now been marked. You may proceed to the next section.

ACCESS TO ENERGY / LIGHTING SOURCES
Roster: LIGHTING ROSTER
generated by multi-select question `lightsr`

lightroster

How many lamps/bulbs/lanterns powered by %lightroster% are in use in your house?	NUMERIC: INTEGER	lightlamp

I Type -99 if don't know
E @rowcode!=1 && @rowcode!=12 && @rowcode!=14
V1 self>0 || self==-99
M1 Value reported must be above zero.

How often do you use %lightroster%?

SINGLE-SELECT   lightfr

01 ◯ Every day or most of the week
02 ◯ Few times per week
03 ◯ Few times per month
04 ◯ Few times per year

How much did you spend on %lightroster% in the last 30 days?

NUMERIC: DECIMAL   lightexp

I Please enter the amount in KSH. Type -99 if don't know or -98 if the respondent refuses If the household has spent in bulk, help the respondent work out the monthly expenditure in the last 30 days.
E @rowcode!=12
V1 self>=0 || self==-99 || self==-98
M1 Value reported must not be below zero.

How much fuel/recharge for %lightroster% did you use in the last 30 days?

NUMERIC: DECIMAL   lightqt

I Type -99 if don't know
E @rowcode!=8 && @rowcode!=9 && @rowcode!=10 && @rowcode!=11 && @rowcode!=12 && @rowcode!=13 && @rowcode!=14 && @rowcode!=15
V1 (self>=0 || self==-99)
M1 Value reported must not be below zero.

Please specify the unit used to measure %lightroster% quantity.

SINGLE-SELECT   lightqtunit

01 ◯ Candles
02 ◯ Liters
03 ◯ Cylinders
04 ◯ Batteries
05 ◯ Recharges

F $unitfilter
E @rowcode!=8 && @rowcode!=9 && @rowcode!=10 && @rowcode!=11 && @rowcode!=12 && @rowcode!=13 && @rowcode!=14 && @rowcode!=15

ACCESS TO ENERGY

AWARENESS OF ALTERNATIVE SOURCES OF ENERGY

E treat==2 && lightsr.No.Contains(8) && lightsr.No.Contains(9) && lightsr.No.Contains(15)

STATIC TEXT

Now I would like to ask you some questions about your knowledge of alternative sources of energy

---

Have you heard about any alternative sources of lighting that people are using in their homes apart from the ones you are currently using?

SINGLE-SELECT   asaw

01 ◯ Yes
02 ◯ No

What alternative sources of lighting have you heard about?	MULTI-SELECT	asawd

I Select ALL THAT APPLY. Do NOT read out the answer options.
F (@optioncode==1 && lightsr.No.Contains(1)) || (@optioncode==2 && lightsr.No.Contains(2)) || (@optioncode==3 && lightsr.No.Contains(3)) || (@optioncode==4 && lightsr.No.Contains(4)) || (@optioncode==5 And 303 other symbols [1]
E asaw==1

- 01 ☐ Candle
- 02 ☐ Kerosene
- 03 ☐ Diesel/gasoline
- 04 ☐ LPG
- 05 ☐ Biogas
- 06 ☐ Dry-cell battery (e.g. torch batteries)
- 07 ☐ Rechargeable battery (e.g. car battery)
- 08 ☐ Solar
- 09 ☐ Mini-grid
- 10 ☐ National grid (KPLC)
- 11 ☐ Generator
- 12 ☐ Firewood
- 88 ☐ Other

Please specify other

E asawd.Contains(88)

TEXT   asawd_oth

....

Have you heard about any alternative sources of power for phone charging that can be used in your home?

E assets.Yes.Contains(32)

SINGLE-SELECT   asawphone

- 01 ◯ Yes
- 02 ◯ No

What alternative source of power for phone charging have you heard about?

I Select all that apply. Do NOT read out the options.
E asawphone==1

MULTI-SELECT   asawpc

- 01 ☐ Solar home system
- 02 ☐ Solar lantern
- 03 ☐ Mini grid connection
- 04 ☐ Grid connection (KPLC)
- 88 ☐ Other

Please specify other

E asawpc.Contains(88)

TEXT   asawpc_oth

....

ACCESS TO ENERGY
BENEFITS OF SOLAR LIGHTING

What do you think the main benefits of using solar lighting sources are?

I Select all that apply. Ask the respondent if there are any more benefits .

E lightsr.Yes.Contains(8) || lightsr.Yes.Contains(9) || lightsr.Yes.Contains(15) || treat==1

V1 $dontknow

M1 Cannot select 'don't know' and another option

MULTI-SELECT: ORDERED   lightsolarben

01 ☐ Reduced spend on kerosene / candles / batteries (cheaper)
02 ☐ It is better for my family's respiratory health (e.g. breathing, coughing, wheezing)
03 ☐ It is better for my family's eye health / less eye irritation
04 ☐ My family experiences fewer burns due to lighting fuel
05 ☐ Less smoke in the house
06 ☐ It helps me do productive work after dark
07 ☐ It has a lower environmental impact
08 ☐ It makes me feel safer (i.e. personal safety reasons)
09 ☐ It deters pests (e.g. rats)
10 ☐ It allows my children to study when its dark
11 ☐ It allows for increased leisure time
12 ☐ They are brighter / better quality lighting / reliable
13 ☐ It can be used to charge mobile phones / radios / other devices
14 ☐ There is a lower risk of fire in the house
15 ☐ Reduced time spent looking for other energy sources such as wood (go to the forest and fetch it)
16 ☐ It allows household members to do household chores after dark

And 4 other symbols [12]

Please specify other

E lightsolarben.Contains(88)

TEXT   lightsolarben_oth

....

What do you think the main benefits of solar lighting sources would be?	MULTI-SELECT: ORDERED	asawbend

I Select ALL THAT APPLY
E asawd.Contains(8)
V1 $dontknow
M1 Cannot select 'don't know' and another option

01 ☐ They would reduce spend on kerosene / candles / batteries (cheaper)
02 ☐ It would be better for my family's respiratory health (e.g. breathing, coughing, wheezing)
03 ☐ It would be better for my family's eye health / less eye irritation
04 ☐ My family would experience fewer burns due to lighting fuel
05 ☐ It would create less smoke in the house
06 ☐ It would help me do productive work after dark
07 ☐ It has a lower environmental impact
08 ☐ It would make me feel safer (i.e. personal safety reasons)
09 ☐ It would deter pests (e.g. rats)
10 ☐ It would allow my children to study when its dark
11 ☐ It would allow for increased leisure time
12 ☐ They are brighter / better quality lighting / reliable
13 ☐ It could be used to charge mobile phones / radios / other devices
14 ☐ There would be a lower risk of fire in the house
15 ☐ I could reduce the time I spend looking for other energy sources such as wood (go to the forest and fetch it)
16 ☐ It would allow household members to do household chores after dark

And 3 other symbols [13]

Please specify other	TEXT	asawbend_oth

E asawbend.Contains(88)

....

ACCESS TO ENERGY
BUYING A SOLAR DEVICE

E treat==2 && lightsr.No.Contains(8) && lightsr.No.Contains(9) && lightsr.No.Contains(15)

Would you like to buy a solar device?	SINGLE-SELECT	asbuy

01 ◯ Yes
02 ◯ No
-99 ◯ Don't know

Why have you not bought a solar device yet?	MULTI-SELECT	asbuycon

E   asbuy==1
V1 $dontknow
M1 Cannot select 'don't know' and another option

01 ☐ It is too expensive
02 ☐ I do not have the money right now
03 ☐ I don't know where to buy it
04 ☐ I don't know how to set it up
05 ☐ I can't afford to pay for regular energy costs
06 ☐ Lack of availability of SL/SHS in market/retail shops
07 ☐ It's not a priority
88 ☐ Other
-99 ☐ Don't know

Please specify other

TEXT   asbuycon_oth

E   asbuycon.Contains(88)

....

Why would you not like to buy a solar device?

MULTI-SELECT   asnobuy_rsn

E   asbuy==2
V1 $dontknow
M1 Cannot select 'don't know' and another option

01 ☐ It is too expensive
02 ☐ I don't know where to buy it
03 ☐ I don't know how to set it up
04 ☐ I can't afford to pay for regular energy costs
05 ☐ Lack of availability of SL/SHS in market/retail shops
06 ☐ It's not a priority
07 ☐ I do not see the benefit of buying one
88 ☐ Other
-99 ☐ Don't know

Please specify other

TEXT   asnobuy_rsn_oth

E   asnobuy_rsn.Contains(88)

....

SOLAR PANEL (FOR NON-BENEFICIARY USERS)

E //only ask this module for households who are not part of the MM project but who used solar lighting in last 30 days
treat==2 && (lightsr.Yes.Contains(8) || lightsr.Yes.Contains(9))

How many solar systems or devices do you currently use in the household?	NUMERIC: INTEGER solarqt
I This includes solar home systems (solar panel + lights) and solar lanterns (portable solar powered lights). Each solar lantern should be counted as a unit.	
V1 self >0	
M1 Respondent said the household owns a solar system. This must be above zero	

SOLAR PANEL (FOR NON-BENEFICIARY USERS)
Roster: SOLAR ROSTER
generated by numeric question solarqt   solarroster

SOLAR PANEL (FOR NON-BENEFICIARY USERS) / SOLAR ROSTER
SOLAR SYSTEM FEATURES

Is system number %solarroster% a solar home system or a solar lantern?	SINGLE-SELECT solartype
	01 ◯ Solar Home System
	02 ◯ Solar Lantern
	-99 ◯ Don't know
Is system number %solarroster% working?	SINGLE-SELECT solarwr
I By working we mean that the system is able to power lights.	01 ◯ Yes, fully working
	02 ◯ Yes, partially working
	03 ◯ No, not working at all
	-99 ◯ Don't know
In system number %solarroster%, are the solar panel and the storage battery together or separate (connected by a wire)?	SINGLE-SELECT solarnounipsb
	01 ◯ Together, in a single casing
	02 ◯ Separate, connected by a wire
E solartype ==-99	03 ◯ There is no storage battery
In system number %solarroster%, are the battery and the bulb together or separate?	SINGLE-SELECT solarnounibb
	01 ◯ At least one light bulb is separated from the battery by a wire
E solartype ==-99	02 ◯ Light bulbs are together with the battery
	03 ◯ This system or device does not power any lights
	04 ◯ There is no storage battery

In system number %solarroster%, how many light bulbs do you have?	SINGLE-SELECT	solarnounibulb
	01 ◯ One light bulb	
	02 ◯ Two light bulbs (that can be separated from each other)	
	03 ◯ Three (that can be separated from each other)	
	04 ◯ Four (that can be separated from each other)	
	05 ◯ Five or more light bulbs (that can be separated from each other)	
	06 ◯ Zero – this system or device does not power lights	

What type of light bulbs does system number %solarroster% use? E solarnounibulb!=6	SINGLE-SELECT	solarnounibtype
	01 ◯ LED	
	02 ◯ CFL	
	03 ◯ Incandescent	
	88 ◯ Other	

Please specify other E solarnounibtype==88	TEXT	solarnounibtype_oth
	....	

In system number %solarroster%, is there a USB charging point which can be used to charge a mobile phone?	SINGLE-SELECT	solarusb
	01 ◯ Yes	
	02 ◯ No	

Enter the brand of the product I Enter 'DK' if the brand cannot be determined. Interviewer if possible you can ask the respondent to bring you the device so you can observe and record the brand yourself.	TEXT	solarbrand
	....	

SOLAR PANEL (FOR NON-BENEFICIARY USERS) / SOLAR ROSTER
SOLAR SYSTEM USE

On average how many hours does this household use solar system number %solarroster% for lighting each day? I Please enter the number of hours. Enter 0.5 for half an hour and 0 for less than 30 minutes	NUMERIC: DECIMAL	solarhh
	- -	

Does your household use system number %solarroster% for any of the following activities?	MULTI-SELECT: YES/NO solaruse
I Please ensure to read out ALL options. Please select 'yes' or 'no' for EACH ITEM. V1 solaruse.Missing.Length==0 M1 All items in the list have not been marked either 'yes' or 'no'. Please complete the list in order to proceed to the next section.	01 ☐ / ☐ Lighting the house to work on my usual business 02 ☐ / ☐ Lighting the house to work on unpaid activities 03 ☐ / ☐ Powering the fan 04 ☐ / ☐ Watching TV 05 ☐ / ☐ Charging household members' mobile phones 06 ☐ / ☐ Charging phone of people outside the household 07 ☐ / ☐ Charging or powering the radio 08 ☐ / ☐ Lighting the surrounding of the house 09 ☐ / ☐ Lighting the way when household members leave the house 10 ☐ / ☐ Lighting the house so that the children (including neighbours children) can play 11 ☐ / ☐ Lighting the house so that children can study 12 ☐ / ☐ Lighting the house in the evening so household members (adults and children) socialise / enjoy more time together 13 ☐ / ☐ Lighting the house in the evening so that people from OTHER households in the community can visit and socialise 88 ☐ / ☐ Other

Please specify other	TEXT solaruse_oth
E solaruse.Yes.Contains(88)	·······································

STATIC TEXT

E solaruse.Missing.Length==0

All items have now been marked. You may proceed to the next section.

VARIABLE solaruse.Yes.Contains(6) ? 1 : 0	LONG chargephout

SOLAR PANEL (FOR NON-BENEFICIARY USERS) / SOLAR ROSTER
MOBILE PHONE OUTSIDE HH
E chargephout==1

STATIC TEXT

Now I would like to ask you some questions on how you charge other households' mobile phones using solar system number %solarroster%

Do you charge other household's mobiles for a fee?	SINGLE-SELECT solarphonefee
	01 ◯ Yes 02 ◯ No

On average, how much is the fee (in KSHS)?	NUMERIC: INTEGER solarfee
I Type -98 if the respondent refuses This is the fee for each recharge. E solarphonefee==1	– – – – – – – – – – – – – – – – – – –

How often do you charge other households' mobiles?	SINGLE-SELECT	solarcharfr

E solarphonefee==1

01 ○ More than once a day
02 ○ Once a day
03 ○ More than once a week
04 ○ Once a week
05 ○ More than once a month
06 ○ Once a month
07 ○ Less than once a month

SOLAR PANEL (FOR BENEFICIARIES)

E `treat==1 //only ask this module for households who are part of the MM project`

SOLAR PANEL (FOR BENEFICIARIES)
CONDITION OF SOLAR DEVICE

Which solar device did you/your household receive at the beginning of the Mwangaza Mashinani project?	MULTI-SELECT: ORDERED devicetype
I If the household received more than one device from the Mwangaza Mashinani project, then please select all devices received but RECORD THE ANSWERS IN ORDER OF THE MOST USED DEVICE. That is, ask the ho And 103 other symbols [6]	01 ☐ D.light 02 ☐ BioLite 03 ☐ Sun King
W1 `devicetype.Length==1`	
M1 You have selected more than one device - please CONFIRM with respondent that these devices were all from the Mwangaza Mashinani project.	

STATIC TEXT

E `devicetype.Length>1`

You have reported receiving more than one device from the Mwangaza Mashinani project. I will now ask you a series of questions about the solar device - please ONLY answer the questions for the solar device you USE THE MOST.

Does your household still have the solar device from the Mwangaza Mashinani project?	SINGLE-SELECT deviceavb
I If the original device was later substituted by the project/solar provider for another device that was exactly the same (same brand and same features), then report Yes to this question. If the origin And 174 other symbols [7]	01 ○ Yes 02 ○ No

---

What is the MAIN reason you do not have that solar device anymore?	SINGLE-SELECT nosolar_rsn
E `deviceavb==2`	01 ○ Sold device for cash 02 ○ Gave away the device 03 ○ Lent the device for cash 04 ○ Device was stolen 05 ○ Device was broken and I threw it away 06 ○ Device was repossessed for lack of payment 07 ○ Device was used as collateral and taken 88 ○ Other

---

Please specify other	TEXT nosolar_rsn_oth
E `nosolar_rsn==88`	....

Why have you given away the device?	MULTI-SELECT giveaway_rsn
E `nosolar_rsn==1 || nosolar_rsn==2 || nosolar_rsn==3`	01 ☐ Needed the money 02 ☐ We did not need it for electricity 03 ☐ It was not easy to use 88 ☐ Other

---

Please specify other	TEXT giveaway_rsn_oth
E `giveaway_rsn.Contains(88)`	....

Has your household bought or received another solar device to replace the one from the Mwangaza Mashinani project?	SINGLE-SELECT	nosolar_replace
I Read out the options to the respondent. E deviceavb==2	01 ⭕ Yes, bought a replacement device and paid cost upfront 02 ⭕ Yes, bought a replacement device and paying cost in instalments 03 ⭕ Yes, received a replacement device for free 04 ⭕ No	

How much did you pay to acquire this replacement solar device (in KSHS)?	NUMERIC: INTEGER	nosolar_replacecost
I This refers to the total cost of the device, even if the household has not yet paid it in full. E nosolar_replace==1 || nosolar_replace==2 W1 self<65000 M1 Warning: confirm the device cost more than 65,000 KSHS V2 self>0 || self==-99 M2 Cost cannot be zero as household reported buying the device	– SPECIAL VALUES -99 Don't know	

How have you financed the cost of the replacement?	MULTI-SELECT	nosolar_replacesrce
E nosolar_replacecost>0 V1 $dontknow M1 Cannot select 'don't know' and another option	01 ☐ I used money from my income 02 ☐ I used money from my existing savings 04 ☐ I borrowed the money 05 ☐ I had to sell another asset to be able to get the money -99 ☐ Don't know 88 ☐ Other	

How many light bulbs does this solar device have?	SINGLE-SELECT	mm_lightbulb
E devicetype.Contains(3) && deviceavb==1	01 ⭕ One light bulb 02 ⭕ Two light bulbs (that can be separated from each other) 03 ⭕ Three (that can be separated from each other) 04 ⭕ Four (that can be separated from each other) 05 ⭕ Five or more light bulbs (that can be separated from each other) 06 ⭕ Zero – this system or device does not power lights	

What type of light bulbs does this solar device use?	SINGLE-SELECT	mm_lightype
E devicetype.Contains(3) && deviceavb==1 && mm_lightbulb!=6	01 ⭕ LED 02 ⭕ CFL 03 ⭕ Incandescent 88 ⭕ Other	

Is there a USB charging point in this solar device which can be used to charge a mobile phone?	SINGLE-SELECT	mm_usbport
E devicetype.Contains(3) && deviceavb==1	01 ⭕ Yes 02 ⭕ No	

Is your solar device still working?	SINGLE-SELECT	deviceworking
I Read out the answer options to the respondent E deviceavb==1	01 ⭕ Yes, fully working (all bulbs, radio, mobile phone charging working) 02 ⭕ Yes, partially working 03 ⭕ No, not working at all	

How long has the device been partially not working? (Report in days)	NUMERIC: INTEGER	devicenotwrk_days1

E `deviceworking==2`
V1 `self>0 || self==-99`
M1 Value cannot be less than zero.
W2 `self<600`
M2 Number too high: confirm more than 600 days

How long has the device been completely not working? (Report in days)	NUMERIC: INTEGER	devicenotwrk_days2

E `deviceworking==3`
V1 `self>0 || self==-99`
M1 Value cannot be less than zero.
W2 `self<600`
M2 Number too high: confirm more than 600 days

Can you say which components of the device are broken or faulty?

I Select all that apply
E `deviceworking ==2 || deviceworking==3`
V1 `$dontknow`
M1 Cannot select 'don't know' and another option

MULTI-SELECT · partsnotworking

- 01 ☐ Battery
- 02 ☐ Wires
- 03 ☐ Lamp/Bulb
- 04 ☐ Solar panels
- 05 ☐ Switches
- 06 ☐ Charge controller
- 07 ☐ USB charging
- 08 ☐ Radio
- 09 ☐ Phone charging cables
- 10 ☐ Base unit
- 88 ☐ Other
- -99 ☐ Don't know

Please specify other

E `partsnotworking.Contains(88)`

TEXT · partsnotworking_oth

SOLAR PANEL (FOR BENEFICIARIES)
HISTORY OF REPAIR AND MAINTENANCE

Do you think your device will require a repair to fully function again or would the entire device need to be replaced?

E `deviceworking==3`

SINGLE-SELECT · maintenance_type

- 01 ○ Repair
- 02 ○ Replaced
- -99 ○ Don't know

Do you intend on having your device be repaired?

E `maintenance_type==1 || maintenance_type==-99 || deviceworking==2`

SINGLE-SELECT · repair_intent

- 01 ○ Yes
- 02 ○ No
- 03 ○ Haven't decided yet

Why don't you intend on having your device repaired?	MULTI-SELECT repair_nointent_rsn
I Select all that apply E repair_intent==2	01 ☐ I cannot afford the repair costs 02 ☐ I don't have the time to take my device for repair 03 ☐ There is no convenient or close place to take the device for repair 04 ☐ Don't know where to go for repair 05 ☐ Don't value having the solar device given its low light quality 06 ☐ Don't value having the solar device given its difficulty to operate and maintain 88 ☐ Other

Please specify other	TEXT repair_nointent_rsn_oth
E repair_nointent_rsn.Contains(88)	....

Where would you take your device to be repaired?	SINGLE-SELECT repair_person
E repair_intent==1 || repair_intent==3	01 ○ I or other household members will do it ourselves 02 ○ Friends/family/neighbour 03 ○ Solar provider I got the device from 04 ○ BWC 05 ○ Chief 06 ○ Community Champion 07 ○ Local technician/shop -99 ○ Don't know 88 ○ Other

Please specify other	TEXT repair_person_oth
E repair_person==88	....

Do you know how much it will cost to repair the device? Report in KSHS.	NUMERIC: INTEGER repair_cost
I This would include cost of purchasing replacement parts for the device and/or fees that might be charged by the person repairing it. Record -99 if don't know. Do not include transport costs. E repair_intent==1 || repair_intent==3 V1 self>=0 || self==-99 M1 Value cannot be less than zero. W2 self<13000 M2 Repair cost is too high: confirm	- SPECIAL VALUES 00 Zero- I have a warranty or someone will do it for me for free -99 Don't know

How will you finance the cost of the repair?	MULTI-SELECT repair_fundsource
E repair_cost>0 V1 $dontknow M1 Cannot select 'don't know' and another option	01 ☐ I have money from my income to repair the device now 02 ☐ I will use money from my existing savings 03 ☐ I will have to wait longer until I have saved the money 04 ☐ I will borrow the money 05 ☐ I will have to sell another asset to be able to get the money -99 ☐ Don't know 88 ☐ Other

Please specify other	TEXT	repair_fundsource_oth

E `repair_fundsource.Contains(88)`

. . . .

Do you intend on replacing your device?

E `maintenance_type==2`

SINGLE-SELECT `replace_intent`

01 ○ Yes
02 ○ No
03 ○ Haven't decided yet

Why don't you intend on replacing your device?

I Select all that apply
E `replace_intent==2`

MULTI-SELECT `replace_nointent_rsn`

01 ☐ I cannot afford it
02 ☐ I don't have the time to purchase a new one
03 ☐ There is no convenient or close place to purchase a new one
04 ☐ Don't know where to go to purchase a new one
05 ☐ Don't value having the solar device given its low light quality
06 ☐ Don't value having the solar device given its difficulty to operate and maintain
07 ☐ Do not need electricity
08 ☐ Waiting to hear back from the BWC/CC/programme/Chief
88 ☐ Other (specify)

Please specify other

E `replace_nointent_rsn.Contains(88)`

TEXT `replace_nointent_rsn_oth`

. . . .

Do you know how much it will cost to purchase a new device? Report in KSHS.

I Record -99 if don't know
E `replace_intent==1 || replace_intent==3`
V1 `self>=0 || self==-99`
M1 Value cannot be negative

NUMERIC: INTEGER `purchase_cost`

- -

SPECIAL VALUES
-99 Don't know
00 Zero - it will be provided for free

How will you finance the cost of a new device?

E `purchase_cost>0 || purchase_cost==-99`
V1 `$dontknow`
M1 Cannot select 'don't know' and another option

MULTI-SELECT `purchase_fundsource`

01 ☐ I have money from my income to buy a new device now
02 ☐ I will use money from my existing savings
03 ☐ I will have to wait longer until I have saved the money
04 ☐ I will borrow the money
05 ☐ I will have to sell another asset to be able to get the money
-99 ☐ Don't know
88 ☐ Other

Please specify other

E `purchase_fundsource.Contains(88)`

TEXT `purchase_fundsource_oth`

. . . .

Since you have had this solar device, were there any times when you had an issue with the device and had to either fix it yourself or have someone else repair it?

E `deviceworking==1`

SINGLE-SELECT `past_repair1`

01 ○ Yes
02 ○ No

How many times have you had an issue with the device and had to either fix it yourself or have someone else repair it?	NUMERIC: INTEGER	repair_times1

E past_repair1==1
V1 self>0 || self==-99
M1 Number of times cannot be 0
W2 self<24
M2 Number seems too high: confirm

Since you have had this solar device, were there any other times when you had an issue with the device and had to either fix it yourself or have someone else repair it? Do NOT count the current instance of the device not fully working.	SINGLE-SELECT 01 ◯ Yes 02 ◯ No	past_repair2

E deviceworking==2 || deviceworking==3

How many previous times have you had an issue with the device and had to either fix it yourself or have someone else repair it? Do NOT count the current instance of the device not fully working.	NUMERIC: INTEGER	repair_times2

E past_repair2==1
V1 self>0 || self==-99
M1 Number of times cannot be 0
W2 self<24
M2 Number seems too high: confirm

During the period when you had the solar device from the Mwagnaza Mashinani project and up until you stopped having it, were there any times when you had an issue with the device and had to either fix it yourself or have someone else repair it?	SINGLE-SELECT 01 ◯ Yes 02 ◯ No	past_repair3

E deviceavb==2

During the period you had the solar device, how many times did you have an issue with the device and had to either fix it yourself or have someone else repair it?	NUMERIC: INTEGER	repair_times3

E past_repair3==1
V1 self>0 || self==-99
M1 Number of times cannot be 0
W2 self<24
M2 Number seems too high: confirm

Of the total number of times your solar device needed fixing in the past, how many of those times have you or someone else in your household fixed the device yourself?	NUMERIC: INTEGER	repair_self

E past_repair1==1 || past_repair2==1 || past_repair3==1
V1 self>=0 || self==-99
M1 Value cannot be less than zero
V2 (self<=repair_times1 && past_repair1==1) || (self<=repair_times2 && past_repair2==1) || (self<=repair_times3 && past_repair3==1)
M2 Number of times household fixed the device can't be more than total number of times device needed fixing

Of the total number of times your solar device needed fixing in the past, how many of those times did someone outside the household fix it? E past_repair1==1 || past_repair2==1 || past_repair3==1 V1 self>=0 || self==-99 M1 Value cannot be less than zero. V2 (self<=repair_times1 && past_repair1==1) || (self<=repair_times2 && past_repair2==1) || (self<=repair_times3 && past_repair3==1) M2 Number of times household asked someone to fix the device can't be more than total number of times device needed fixing	NUMERIC: INTEGER repair_oth ------------------------------
Who repaired your device in the past? I Select all that apply E repair_oth>0 V1 $dontknow M1 Cannot select 'don't know' and another option.	MULTI-SELECT repair_source 02 ☐ Friends/family/neighbour 03 ☐ Solar provider I got the device from 04 ☐ BWC 05 ☐ Chief 06 ☐ Community Champion 07 ☐ Local technican/shop -99 ☐ Dont know 88 ☐ Other
Please specify other E repair_source.Contains(88)	TEXT repair_source_oth ....
Which components of the device did you most commonly have an issue with in the past (they broke or were faulty)? I Select all that apply. E past_repair1==1 || past_repair2==1 || past_repair3==1 V1 $dontknow M1 Cannot select 'don't know' and another option	MULTI-SELECT parts_fixing 01 ☐ Battery 02 ☐ Wires 03 ☐ Lamp/Bulb/Torch 04 ☐ Solar panel 05 ☐ Switches 06 ☐ Charge Controller 07 ☐ USB charging 08 ☐ Radio 09 ☐ Phone charging cables 10 ☐ Base unit/Token unit 88 ☐ Other -99 ☐ Don't know
Please specify other E parts_fixing.Contains(88)	TEXT parts_fixing_oth ....
In total, how much have you paid on repair costs since you got this solar device? In KSHS. I Do not include transport costs. E past_repair1==1 || past_repair2==1 || past_repair3==1 V1 self>=0 || self==-99 M1 Value cannot be less than zero. W2 self<13000 M2 Repair cost seems too high: confirm	NUMERIC: INTEGER repair_expenses ------------------------------ SPECIAL VALUES 00 Zero- I have a warranty, someone did it for me for free -99 Don't know

Besides the repayments made for the device and the money spent on the deposit and any repair costs, were there any additional costs related to the use of the device that your household has incurred since receiving the device? For instance, this could include transportation costs to go top-up or repair the device, costs for installing the device or any other costs.	SINGLE-SELECT add_expenses 01 ◯ Yes 02 ◯ No 03 ◯ Don't know
What additional costs related to the use of the device has your household incurred since receiving it? E add_expenses==1	MULTI-SELECT: YES/NO add_exptype 01 ☐ / ☐ Transport costs to top up the device 02 ☐ / ☐ Transport costs to repair the device 03 ☐ / ☐ Installation costs (e.g. roof work and wiring) 04 ☐ / ☐ Extra fees paid to top up the device (e.g. paying someone to help you top up the device, paying bank officers to help you top up) 88 ☐ / ☐ Other (specify)
Please specify other E add_exptype.Yes.Contains(88)	TEXT add_exptype_oth ⋯⋯⋯⋯⋯⋯⋯⋯⋯⋯⋯⋯⋯⋯⋯⋯⋯⋯⋯
How much money on average did you spend on one round-trip journey to top up the device? (in KSHS) I Using the mode of transport the household would typically use to go to p up the device E add_exptype.Yes.Contains(1)	NUMERIC: INTEGER add_trstopcost – .
How much money on average did you spend on one round-trip journey to take the device for repair? (in KSHS) I Using the mode of transport the household would typically use to go re pair the device E add_exptype.Yes.Contains(2)	NUMERIC: INTEGER add_trsrepcost – .
How much money did you spend in total on installation costs since you received the device? (in KSHS) E add_exptype.Yes.Contains(3)	NUMERIC: INTEGER add_instalcost – .
How much money did you spend in total on extra fees paid to top up the device since you received the device? (in KSHS) I e.g. paying someone to help you top up the device, paying bank officer s to help you top up. E add_exptype.Yes.Contains(4)	NUMERIC: INTEGER add_extrafeecost – .
How much money did you spend in total on %add_exptype_oth% since you received the device? (in KSHS) E add_exptype.Yes.Contains(88)	NUMERIC: INTEGER add_othcost – .

SOLAR PANEL (FOR BENEFICIARIES)
WILLINGNESS TO PAY AND REPAIR

STATIC TEXT

E `deviceworking==1`

I will now ask you a series of questions related to scenarios where your solar device partially or fully stops working today. Please answer the following questions based on what you would do if you were faced with these scenarios today.

Suppose your solar device faces an issue today but will require a substantial repair. Assume you will have to take your device to be repaired and it would cost about 3,300 KSHS to repair. Would you be willing to repair it? E `deviceworking==1`	SINGLE-SELECT repair_sub 01 ◯ Yes 02 ◯ No -99 ◯ Don't know

Why would you not be willing to repair this substantial issue? I Select all that apply E `repair_sub==2`	MULTI-SELECT repair_sub_rsn 01 ☐ I cannot afford the repair costs 02 ☐ I don't have the time to take my device for repair 03 ☐ There is no convenient or close place to take the device for repair 04 ☐ Don't know where to go for repair 05 ☐ Don't value having the solar device given its low light quality 06 ☐ Don't value having the solar device given its difficulty to operate and maintain 88 ☐ Other

Please specify other E `repair_sub_rsn.Contains(88)`	TEXT repair_sub_rsnoth ....

How would you finance this cost for the substantial repair? E `repair_sub==1 || repair_sub==-99` V1 `self.ContainsOnly(-99) || !self.Contains(-99)` M1 Don't know cannot be selected with another option	MULTI-SELECT repair_sub_src 01 ☐ I will use money from my income 02 ☐ I will use money from my existing savings 03 ☐ I will have to wait longer until I have saved the money 04 ☐ I will borrow the money 05 ☐ I will have to sell another asset to be able to get the money -99 ☐ Don't know 88 ☐ Other

Please specify other E `repair_sub_src.Contains(88)`	TEXT repair_sub_srcoth ....

Now suppose your solar device faces an issue today and will require a minor repair. Assume you will have to take your device to be repaired and it would cost about 200 KSHS to repair. Would you be willing to repair it? E `deviceworking==1`	SINGLE-SELECT repair_minor 01 ◯ Yes 02 ◯ No -99 ◯ Don't know

Why would you not be willing to repair this minor issue? I Select all that apply E `repair_minor==2`	MULTI-SELECT — repair_minor_rsn 01 ☐ I cannot afford the repair costs 02 ☐ I don't have the time to take my device for repair 03 ☐ There is no convenient or close place to take the device for repair 04 ☐ Don't know where to go for repair 05 ☐ Don't value having the solar device given its low light quality 06 ☐ Don't value having the solar device given its difficulty to operate and maintain 88 ☐ Other
Please specify other E `repair_minor_rsn.Contains(88)`	TEXT — repair_minor_rsnoth ....
How would you finance this cost for the minor repair? E `repair_minor==1 || repair_minor==-99` V1 `$dontknow` M1 Cannot select 'don't know' and another option	MULTI-SELECT — repair_minor_src 01 ☐ I will use money from my income 02 ☐ I will use money from my existing savings 03 ☐ I will have to wait longer until I have saved the money 04 ☐ I will borrow the money 05 ☐ I will have to sell another asset to be able to get the money -99 ☐ Don't know 88 ☐ Other
Please specify other E `repair_minor_src.Contains(88)`	TEXT — repair_minor_srcoth ....
Imagine a scenario where the solar device stops working and the entire device needs to be replaced. It would cost 13,000 KSHS in total to buy another similar device. Would you be willing to pay the full amount to replace the device? I Read out the options and select 'yes' or 'no' for each. E `maintenance_type!=2`	MULTI-SELECT: YES/NO — solarpurchase_int 01 ☐ / ☐ Willing to pay the full amount (13,000 KSHS) upfront 02 ☐ / ☐ Willing to pay the full amount (13,000 KSHS) with an initial deposit and then in instalments over a year 03 ☐ / ☐ Willing to pay the full amount (13,000 KSHS) with an initial deposit and then in instalments over two years
If you are not willing to pay the full amount of 13,000 KSHS to replace the broken solar device, would you be willing to pay a lower amount to purchase a replacement for your device? I Read out the options and select 'yes' or 'no' for each. E `solarpurchase_int.No.Contains(1) && solarpurchase_int.No.Contains(2) && solarpurchase_int.No.Contains(3)`	MULTI-SELECT: YES/NO — solarpurchase_int2 01 ☐ / ☐ Willing to pay an amount less than 13,000 KSHS upfront 02 ☐ / ☐ Willing to pay an amount less than 13,000 KSHS with an initial deposit and then in instalments over a year 03 ☐ / ☐ Willing to pay an amount less than 13,000 KSHS with an initial deposit and then in instalments over two years 04 ☐ / ☐ Not willing to pay any amount

What is the amount you are willing to pay upfront to buy a replacement solar device? Report in KSHS.	NUMERIC: INTEGER	slrpurchase_paymentintent1

E solarpurchase_int2.Yes.Contains(1)
V1 self>0 || self==-99
M1 Value cannot be zero or negative
V2 self<13000
M2 They cannot be willing to pay 13,000 KSHS or more

What is the amount you are willing to pay in 1 year instalments to buy a replacement solar device? Report in KSHS.	NUMERIC: INTEGER	slrpurchase_paymentintent2

I Interviewer: this refers to the total amount they are willing to pay over the 1 year period including any deposit they have to pay at the start.
E solarpurchase_int2.Yes.Contains(2)
V1 self>0 || self==-99
M1 Value cannot be zero or negative
V2 self<13000
M2 They cannot be willing to pay 13,000 KSHS or more

What is the amount you are willing to pay in 2 year instalments to buy a replacement solar device? Report in KSHS.	NUMERIC: INTEGER	slrpurchase_paymentintent3

I Interviewer: this refers to the total amount they are willing to pay over the 2 year period including any deposit they have to pay at the start.
E solarpurchase_int2.Yes.Contains(3)
V1 self>0 || self==-99
M1 Value cannot be zero or negative
V2 self<13000
M2 They cannot be willing to pay 13,000 KSHS or more

VARIABLE	BOOLEAN	fullpay
solarpurchase_int.Yes.Contains(1) || solarpurchase_int.Yes.Contains(2) || solarpurchase_int.Yes.Contains(3)		

VARIABLE	LONG	fullamount
13000		

VARIABLE	BOOLEAN	partialpay
solarpurchase_int2.Yes.Contains(1) || solarpurchase_int2.Yes.Contains(2) || solarpurchase_int2.Yes.Contains(3)		

VARIABLE	LONG	payamount
fullpay==true ? fullamount : slrpurchase_paymentintent1		

How would you finance the amount you are willing to pay upfront for the replacement solar device?	MULTI-SELECT	slrpurchase_paysrc1

01 ☐ I will use money from my income
02 ☐ I will use money from my existing savings
03 ☐ I will have to wait longer until I have saved the money
04 ☐ I will borrow the money
05 ☐ I will have to sell another asset to be able to get the money
-99 ☐ Don't know
88 ☐ Other

E solarpurchase_int.Yes.Contains(1) || solarpurchase_int2.Yes.Contains(1)
V1 $dontknow
M1 Cannot select 'don't know' and another option

Please specify other	TEXT	slrpurchase_paymentsrc1_oth

E slrpurchase_paysrc1.Contains(88)

How would you finance the amount you are willing to pay in instalments for the replacement solar device?	MULTI-SELECT slrpurchase_paysrc2
E solarpurchase_int.Yes.Contains(2) || solarpurchase_int.Yes.Contains(3) || solarpurchase_int2.Yes.Contains(2) || solarpurchase_int2.Yes.Contains(3) V1 $dontknow M1 Cannot select 'don't know' and another option	01 ☐ I will use money from my income 02 ☐ I will use money from my existing savings 03 ☐ I will have to wait longer until I have saved the money 04 ☐ I will borrow the money 05 ☐ I will have to sell another asset to be able to get the money -99 ☐ Don't know 88 ☐ Other

Please specify other	TEXT slrpurchase_paymentsrc2_oth
E slrpurchase_paysrc2.Contains(88)	··

Why would you not be willing to pay any amount to purchase a new solar device to replace your broken one?	MULTI-SELECT slrpurchase_rsn
I Select all that apply E solarpurchase_int2.Yes.Contains(4)	01 ☐ I cannot afford it 03 ☐ There is no convenient or close place to purchase a new one 04 ☐ Don't know where to go to purchase a new one 05 ☐ Don't value having the solar device given its low light quality 06 ☐ Don't value having the solar device given its difficulty to operate and maintain 07 ☐ Do not need electricity 88 ☐ Other

Please specify other	TEXT slrpurchase_rsn_oth
E slrpurchase_rsn.Contains(88)	··

Would you consider purchasing an additional solar device (in addition to the one you have from the Mwangaza Mashinani project) that is more powerful? By more powerful we mean that it could provide a much higher level of brightness and allow you to power larger devices than just a mobile phone.	SINGLE-SELECT buy_morepower
E solarpurchase_int.Yes.Contains(1) || solarpurchase_int.Yes.Contains(2) || solarpurchase_int.Yes.Contains(3) || solarpurchase_int2.Yes.Contains(1) || solarpurchase_int2.Yes.Contains(2) || solarpurchase And 21 other symbols [1]	01 ◯ Yes 02 ◯ No -99 ◯ Don't know

How long do you think the solar device can remain functioning under normal use conditions, if it is properly maintained from time to time? Report in years.	NUMERIC: INTEGER solar_lifespan
I This refers to the lifespan of the entire device and not the battery or other individual components. Properly maintaining the device might require replacing the battery and other components when they And 78 other symbols [8] V1 self>=0 || self==-99 M1 Value cannot be negative	– SPECIAL VALUES -99 Don't know 00 Less than one year

Do you now fully own the solar device, or do you still need to make some more payments to the solar providers?	SINGLE-SELECT ownership_status
E deviceavb==1	01 ◯ Own the device 02 ◯ Still have payments to make

USE OF SOLAR DEVICE

On average how many hours does this household use the solar device from the Mwangaza Mashinani project for lighting each day?	NUMERIC: DECIMAL light_hrs
I Please enter the number of hours. Enter 0.5 for half an hour and 0 for l ess than 30 minutes.	
V1 self>=0 || self==-99	
M1 Values cannot be less than zero.	
V2 self<25	
M2 Hours cannot be more than 24	

Does your household use the solar device for any of the following activities?	MULTI-SELECT: YES/NO solaruse_act
I Please ensure to read out ALL options. Please select 'yes' or 'no' for EACH ITEM	01 ☐ / ☐ Lighting the house to work on my usual business
V1 solaruse_act.Missing.Length==0	02 ☐ / ☐ Lighting the house to work on unpaid activities
M1 All items in the list have not been marked either 'yes' or 'no'. Please complete the list in order to proceed to the next section.	03 ☐ / ☐ Powering the fan
	04 ☐ / ☐ Watching TV
	05 ☐ / ☐ Charging household members' mobile phones
	06 ☐ / ☐ Charging phone of people outside the household
	07 ☐ / ☐ Charging or powering the radio
	08 ☐ / ☐ Lighting the surrounding of the house
	09 ☐ / ☐ Lighting the way when household members leave the house
	10 ☐ / ☐ Lighting the house so that the children (including neighbours children) can play
	11 ☐ / ☐ Lighting the house so that children can study
	12 ☐ / ☐ Lighting the house in the evening so household members (adults and children) socialise / enjoy more time together
	13 ☐ / ☐ Lighting the house in the evening so that people from OTHER households in the community can visit and socialise
	88 ☐ / ☐ Other

Please specify other	TEXT solaruse_act_oth
E solaruse_act.Yes.Contains(88)	

Do you charge other household's mobiles for a fee using this solar device?	SINGLE-SELECT mobilefee_intent
E solaruse_act.Yes.Contains(6)	01 ◯ Yes
	02 ◯ No

On average, how much is the fee (in KSHS)?	NUMERIC: INTEGER mobilefee_cost
I Type -99 if the respondent refuses. This is the fee per charging instance.	
E mobilefee_intent==1	

How often do you charge other households' mobiles using this solar device? E `mobilefee_intent==1`	SINGLE-SELECT charge_freq 01 ◯ More than once a day 02 ◯ Once a day 03 ◯ More than once a week 04 ◯ Once a week 05 ◯ More than once a month 06 ◯ Once a month 07 ◯ Less than once a month
Do you think the solar device has affected the personal safety of household members?	SINGLE-SELECT safety 01 ◯ Yes, improved 02 ◯ Yes, worsened 03 ◯ No, change
Do you think the solar device has had an effect on the presence of pests or wild animals at night surrounding the household?	SINGLE-SELECT pests 01 ◯ Yes, deterred them 02 ◯ Yes, attracted them 03 ◯ No, change
Do you think that opportunities to communicate and socialise with other households in this community have changed since you got the solar device?	SINGLE-SELECT social 01 ◯ Yes, improved 02 ◯ Yes, worsened 03 ◯ No changed
Think of general information concerning politics, government policies, society, health, diseases, rights etc. Do you think that the access to this kind of information has changed since you got the solar device due to the radio or mobile phone charging features of the device?	SINGLE-SELECT access_info 01 ◯ Yes, improved 02 ◯ Yes, worsened 03 ◯ No change
Do you think your status in the community has changed since you got the solar device?	SINGLE-SELECT comm_status 01 ◯ Yes, improved 02 ◯ Yes, worsened 03 ◯ No change
Besides charging other households' mobile phones, has your household earned any additional income using the solar device from the Mwangaza Mashinani project? I Additional to the income that you were earning before you received the device. This could include for example household renting out the device to someone else in the community or being able to work m And 86 other symbols [9]	SINGLE-SELECT add_income 01 ◯ Yes 02 ◯ No
How have you earned additional income from the solar device? I Select all that apply E `add_income==1`	MULTI-SELECT addinc_source 01 ☐ Renting out the solar device to members in the community 02 ☐ Having increased illuminated hours in the day to work on income generating activities 88 ☐ Other
Please specify other E `addinc_source.Contains(88)`	TEXT addinc_src_oth ....

How has your household used this additional income?	MULTI-SELECT	addinc_use
E add_income==1	01 ☐ Food	
	02 ☐ School fees/material	
	03 ☐ Health clinic fees/medicines/other medical costs	
	04 ☐ Clothes / other non-food household items	
	05 ☐ For my business	
	06 ☐ House materials	
	07 ☐ Farming/livestock	
	08 ☐ Pay off debts	
	09 ☐ Purchase kerosene/ candles /batteries	
	10 ☐ Payment for solar device	
	11 ☐ Cover transport costs	
	12 ☐ Savings	
	88 ☐ Other	

Please specify other	TEXT	addinc_use_oth
E addinc_use.Contains(88)	....	

Would you recommend the solar device to your friends, family or neighbours who don't already have one?	SINGLE-SELECT	recommend
	01 ◯ Yes	
	02 ◯ No	
	03 ◯ No opinion	

SOLAR PANEL (FOR BENEFICIARIES)
EXPOSURE TO INTERVENTION

Is there currently a Community Champion in your location?	SINGLE-SELECT	cc_pres
I Explain what a community champion is if not sure.	01 ◯ Yes	
	02 ◯ No	
	-99 ◯ Don't know	

How often do you or your household contact and/or interact with the community champion?	SINGLE-SELECT	cc_freq
E cc_pres==1	01 ◯ Never interacted/contacted them	
	02 ◯ Once per week or more often	
	03 ◯ Every two weeks (twice per month)	
	04 ◯ Once per month	
	05 ◯ Once every two months	
	06 ◯ Once every four months	
	07 ◯ Less often than every four months	
	-99 ◯ Don't know	

Why have you never contacted the Community Champion in your location?	MULTI-SELECT	cc_nocntrsn
E cc_freq==1	01 ☐ Never had an issue to report	
	02 ☐ Contact details are not available/don't know them	
	03 ☐ I do not find them helpful	
	04 ☐ Prefer to contact someone else when I have issues with the device	
	88 ☐ Other (specify)	

Please specify other	TEXT	cc_nocntrsn_oth

E `cc_nocntrsn.Contains(88)`

....

Besides any repair you have done on the solar device, have you contacted anyone from the community or the programme about any other issue you have faced with the device since last September 2020?	SINGLE-SELECT	grvnc_cnt

01 ◯ Yes
02 ◯ No

I While this does not include cases where household took the device to be repaired, it could include cases where household consulted someone in the community or programme about a problem with their devi
[And 36 other symbols [10]](#)

What were the reasons for the contact?	MULTI-SELECT	grvnc_rsn

E `grvnc_cnt==1`

01 ☐ Issues related to device/parts of the device not working
02 ☐ Issues related to how to use the device
03 ☐ Issues related to the payment for the device
04 ☐ Issues related to receiving cash top up from programme
88 ☐ Other (specify)

Please specify other	TEXT	grvnc_rsn_oth

E `grvnc_rsn.Contains(88)`

....

Who have you contacted about the issues related to the device?	MULTI-SELECT	grvnc_poc

E `grvnc_cnt==1`

01 ☐ Solar provider (Dlight, Biolite)
02 ☐ Mwangaza Mashinani programme staff
03 ☐ Chief
04 ☐ BWC
05 ☐ Inua Jamii programme staff
06 ☐ Community champion
07 ☐ Family or friends or neighbours
88 ☐ Other (specify)

Please specify other	TEXT	grvnc_poc_oth

E `grvnc_poc.Contains(88)`

....

Why have you not contacted anyone from the community or the programme about any other issue you have faced with the device since last September?	MULTI-SELECT	grvnc_nocnt_rsn

E `grvnc_cnt==2`

01 ☐ Did not have any issues with the device to report
02 ☐ Didn't know who to contact
03 ☐ Do not find contacts helpful
04 ☐ No one available to help
88 ☐ Other (specify)

Please specify other	TEXT	grvnc_nocnt_rsn_oth

E `grvnc_nocnt_rsn.Contains(88)`

....

At any point since receiving the solar device from the Mwangaza Mashinani project, have you been given any information or training by the BWC, community champion or anyone else from the project related to the solar device?	SINGLE-SELECT	train_status

01 ◯ Yes
02 ◯ No

Were you provided information or trained on any of the following:	MULTI-SELECT: YES/NO	train_topic

I Read out each option and select 'yes' or 'no' for each.
E train_status==1
V1 train_topic.Yes.Length>0
M1 Household must have received training on at least one topic if you said yes to previous question

01 ☐ / ☐ Installation of the device
02 ☐ / ☐ Maintenance and care of the device
03 ☐ / ☐ Payment modalities
04 ☐ / ☐ General use of solar device
05 ☐ / ☐ Use of solar device for income generating activities
06 ☐ / ☐ Other ways to promote and diversify business/livelihoods and increase household income
07 ☐ / ☐ Financial management including saving
88 ☐ / ☐ Other

Please specify other	TEXT	train_topic_oth

E train_topic.Yes.Contains(88)

....

SOLAR PANEL (FOR BENEFICIARIES)
OTHER SOLAR DEVICES

E lightsr.Yes.Contains(8) || lightsr.Yes.Contains(9)

Is this household currently using any other solar devices for lighting besides the one from the Mwangaza Mashinani project?	SINGLE-SELECT	othdevice

I This includes solar home systems (solar panel + lights) and solar lanterns (portable solar powered lights).

01 ◯ Yes
02 ◯ No

How many other solar systems or devices do you currently use in the household? Do NOT include the one from the Mwangaza Mashinani project.	NUMERIC: INTEGER	othdevice_no

I This includes solar home systems (solar panel + lights) and solar lanterns (portable solar powered lights). Each solar lantern should be counted as a unit.
E othdevice==1
V1 self>0 || self==-99
M1 Values cannot be less than zero.

SOLAR PANEL (FOR BENEFICIARIES) / OTHER SOLAR DEVICES
Roster: SOLAR ROSTER
generated by numeric question othdevice_no
solarroster2

SOLAR PANEL (FOR BENEFICIARIES) / OTHER SOLAR DEVICES / SOLAR ROSTER
SOLAR SYSTEM FEATURES

Is system number %solarroster2% a solar home system or a solar lantern?	SINGLE-SELECT	oth_type

01 ◯ Solar Home System
02 ◯ Solar Lantern
-99 ◯ Don't know

Is system number %solarroster2% working?	SINGLE-SELECT	oth_functional

I By working we mean that the system is able to power lights.

01 ◯ Yes, fully working
02 ◯ Yes, partially working
03 ◯ No, not working at all
-99 ◯ Don't know

In system number %solarroster2%, are the solar panel and the storage battery together or separate (connected by a wire)? E oth_type==-99	SINGLE-SELECT oth_panel_battery 01 ⭕ Together, in a single casing 02 ⭕ Separate, connected by a wire 03 ⭕ There is no storage battery
In system number %solarroster2%, are the battery and the bulb together or separate? E oth_type==-99	SINGLE-SELECT battery_bulb 01 ⭕ At least one light bulb is separated from the battery by a wire 02 ⭕ Light bulbs are together with the battery 03 ⭕ This system or device does not power any lights 04 ⭕ There is no storage battery
In system number %solarroster2%, how many light bulbs do you have	SINGLE-SELECT bulbs_qt 01 ⭕ One light bulb 02 ⭕ Two light bulbs (that can be separated from each other) 03 ⭕ Three (that can be separated from each other) 04 ⭕ Four (that can be separated from each other) 05 ⭕ Five or more light bulbs (that can be separated from each other) 06 ⭕ Zero – this system or device does not power lights
What type of light bulbs does system number %solarroster2% use? E bulbs_qt!=6	SINGLE-SELECT bulbs_type 01 ⭕ LED 02 ⭕ CFL 03 ⭕ Incandescent 88 ⭕ Other
In system number %solarroster2%, is there a USB charging point which can be used to charge a mobile phone?	SINGLE-SELECT usb_avb 01 ⭕ Yes 02 ⭕ No
Enter the brand of the product I Enter 'DK' if the brand cannot be determined. Interviewer if possible you can ask the respondent to bring you the device so you can observe and record the brand yourself.	TEXT device_brand ┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄

SOLAR PANEL (FOR BENEFICIARIES) / OTHER SOLAR DEVICES / SOLAR ROSTER
SOLAR SYSTEM USE

On average how many hours does this household use solar system number %solarroster2% for lighting each day? I Please enter the number of hours. Enter 0.5 for half an hour and 0 for less than 30 minutes. V1 self>=0 || self==-99 M1 Value cannot be less than zero	NUMERIC: DECIMAL oth_ltr_hrs ┄ ┄ ┄ ┄ ┄ ┄ ┄ ┄ ┄ ┄ ┄ ┄ ┄ ┄

Does your household use system number %solarroster2% for any of the following activities?	MULTI-SELECT: YES/NO	oth_use_act

I Please ensure to read out ALL options. Please select 'yes' or 'no' for EACH ITEM.
V1 oth_use_act.Missing.Length==0
M1 All items in the list have not been marked either 'yes' or 'no'. Please complete the list in order to proceed to the next section.

01 ☐ / ☐ Lighting the house to work on my usual business
02 ☐ / ☐ Lighting the house to work on unpaid activities
03 ☐ / ☐ Powering the fan
04 ☐ / ☐ Watching TV
05 ☐ / ☐ Charging household members' mobile phones
06 ☐ / ☐ Charging phone of people outside the household
07 ☐ / ☐ Charging or powering the radio
08 ☐ / ☐ Lighting the surrounding of the house
09 ☐ / ☐ Lighting the way when household members leave the house
10 ☐ / ☐ Lighting the house so that the children (including neighbours children) can play
11 ☐ / ☐ Lighting the house so that children can study
12 ☐ / ☐ Lighting the house in the evening so household members (adults and children) socialise / enjoy more time together
13 ☐ / ☐ Lighting the house in the evening so that people from OTHER households in the community can visit and socialise
88 ☐ / ☐ Other

Please specify other	TEXT	oth_use_act_oth

E oth_use_act.Yes.Contains(88)

....

SOLAR PANEL (FOR BENEFICIARIES) / OTHER SOLAR DEVICES / SOLAR ROSTER
MOBILE PHONE OUTSIDE HH

E oth_use_act.Yes.Contains(6)

STATIC TEXT

Now I would like to ask you some questions on how you charge other households' mobile phones using solar system number %solarroster2%

Do you charge other household's mobiles for a fee?	SINGLE-SELECT	oth_fee_intent

01 ○ Yes
02 ○ No

On average, how much is the fee (in KSHS)?	NUMERIC: INTEGER	oth_fee

I Type -98 if the respondent refuses.
E oth_fee_intent==1
V1 self>0 || self==-98
M1 Value cannot be less than zero.

How often do you charge other households' mobiles?	SINGLE-SELECT	oth_fee_fqs

E oth_fee_intent==1

01 ○ Once a day
02 ○ More than once a day
03 ○ Once a week
04 ○ More than once a week
05 ○ Once a month
06 ○ Less than once a month

PROMOTION OF SOLAR DEVICES

E `consent==1 && listcomp==1`

STATIC TEXT

Now I am going to ask you some questions about your interactions with the market of solar devices.

Is there a beneficiary welfare committee in this community?

SINGLE-SELECT   ovcbwc

- 01 ◯ Yes
- 02 ◯ No
- -99 ◯ Don't know

In the last 12 months have you been visited by someone promoting solar devices?

I   By solar devices, we mean either solar home systems or solar lanterns that use solar energy to provide light, charge mobile phones, power the radio and sometimes the TV using solar energy.

SINGLE-SELECT   ovcenv

- 01 ◯ Yes
- 02 ◯ No
- -99 ◯ Don't know

When were you visited by the agent promoting solar devices?

E   `ovcenv==1`
V1   `$dontknow`
M1   Cannot select 'don't remember' and another option

MULTI-SELECT   ovcenmnth

- 01 ☐ June 2021
- 02 ☐ May 2021
- 03 ☐ April 2021
- 04 ☐ March 2021
- 05 ☐ February 2021
- 06 ☐ January 2021
- 07 ☐ In 2020
- -99 ☐ Don't remember

Who were the agents promoting solar devices?

E   `ovcenv==1`
V1   `$dontknow`
M1   Cannot select 'don't remember' and another option

MULTI-SELECT   ovcentype

- 01 ☐ Agents from solar providers (e.g. BioLite, Sun King, d.Light)
- 02 ☐ BWC
- 03 ☐ Chief
- 04 ☐ Community Champion
- 05 ☐ Inua Jamii programme staff
- 06 ☐ Mwangaza Mashinani programme staff (E4I, Busara, SomaliAid)
- -99 ☐ Don't know
- 88 ☐ Other

Please specify other

E   `ovcentype.Contains(88)`

TEXT   ovcentype_oth

....

What topics did the agent talk about?	MULTI-SELECT	ovcenpr

E ovcenv==1
V1 $dontknow
M1 Cannot select 'don't remember' and another option

- 01 ☐ Uses and benefits of solar devices
- 02 ☐ Costs of purchasing a solar device
- 03 ☐ Costs of maintaing a solar device
- 04 ☐ Maintenance and repair
- 05 ☐ Solar device technical information
- 06 ☐ Quantity of energy produced
- 07 ☐ Types of solar devices
- -99 ☐ Don't remember
- 88 ☐ Other

Please specify what other topics the agent spoke about.

E ovcenpr.Contains(88)

TEXT   ovcenpr_oth

···

In the last twelve months have you discussed use and benefits of solar devices with other households in the community?

SINGLE-SELECT   ovcendis

- 01 ○ Yes
- 02 ○ No
- -99 ○ Don't know

In the last 12 months have you been visited by someone selling solar devices?

SINGLE-SELECT   ovcens

- 01 ○ Yes
- 02 ○ No
- -99 ○ Don't know

What products was the agent selling?

E ovcens==1

MULTI-SELECT   ovcenprod

- 01 ☐ Solar latern kit
- 02 ☐ Solar panel
- 03 ☐ Solar home system
- 88 ☐ Other (specify)

Please specify other

E ovcenprod.Contains(88)

TEXT   ovcenprod_oth

···

COVID-19 BEHAVIOUR AND ACCESS

E `consent==1 && listcomp==1`

Do you/this household still receive any regular cash transfers from the government for the children in the households or for the elderly members of the household or for household members with a disability?

I   Probe to find out whether the households receives the orphans and vul nerable children transfer (CT-OVC) or the old persons cash transfer (O P-CT) or the person with severe disability cash transfer (PWS [And 29 other symbols [11]](#)

V1 $dontknow

M1   Cannot select 'don't know' and another option

V2   `self.ContainsOnly(4) || !self.Contains(4)`

M2   Cannot select 'No' and another option

MULTI-SELECT   ovcben

- 01 ☐ Yes, CT-OVC
- 02 ☐ Yes, OP-CT
- 03 ☐ Yes, PWSD-CT
- 04 ☐ No
- -99 ☐ Don't know

Have you received any payment in the last 12 months?

I   By payment, we mean that the household received 4000 shillings from KCB or Equity.

E   `ovcben.Contains(1) || ovcben.Contains(2) || ovcben.Contains(3)`

SINGLE-SELECT   ovc12

- 01 ○ Yes
- 02 ○ No
- -99 ○ Don't know

Think about when you collected your last cash transfer payment, were any of the following measures in place?

I   Please ensure to read out ALL options. Please select 'yes' or 'no' for EA CH ITEM.

E   `ovc12==1`

MULTI-SELECT: YES/NO   ovccvmsr

- 01 ☐ / ☐ Social distancing measures (e.g. standing at least 1.5m apart)
- 02 ☐ / ☐ Officials wore face masks/coverings
- 03 ☐ / ☐ Officials wore gloves
- 04 ☐ / ☐ You were asked to wear face masks/coverings
- 05 ☐ / ☐ Hand sanitiser was available to clean hands
- 06 ☐ / ☐ Hand washing facilities were available (soap, water)

Since the begining of September 2020, has any member of your household received any other assistance from any institution such as the government, international organisations, religious bodies in the form of:

I   Please ensure to read out ALL options. Please select 'yes' or 'no' for EA CH ITEM.

MULTI-SELECT: YES/NO   ovcacov

- 01 ☐ / ☐ Food assistance
- 02 ☐ / ☐ Food or cash for work
- 03 ☐ / ☐ Cash transfers (in addition to the Inua Jamii)
- 88 ☐ / ☐ Other

Please specify other

E   `ovcacov.Yes.Contains(88)`

TEXT   ovcacov_oth

....

COVID-19 BEHAVIOUR AND ACCESS
COVID-19 MITIGATION

In the past 7 days, have you stayed at home all day more often, less often or about the same as you did you before schools closed last March 2020 due to coronavirus?

SINGLE-SELECT   stayhome_frq

- 01 ○ More
- 02 ○ Less
- 03 ○ The same
- -99 ○ Don't know

In the past 7 days, did you avoid groups of more than 15 people such as family gatherings, parties, religious gatherings etc.?	SINGLE-SELECT avoidgather 01 ◯ Yes 02 ◯ No -98 ◯ Refused
In the past 7 days, did you avoid handshakes or physical greetings with members outside your household?	SINGLE-SELECT avd_phygreeting 01 ◯ Yes 02 ◯ No -98 ◯ Refused
In the past 7 days, have you washed your hands with soap (or similar agent) and water more often, less often, or about the same as you did before the schools closed last March 2020 due to coronavirus?	SINGLE-SELECT handwashing_frq 01 ◯ More 02 ◯ Less 03 ◯ The same -99 ◯ Don't know

COVID-19 BEHAVIOUR AND ACCESS
ACCESS TO WATER

STATIC TEXT

Now, I'd like to ask you some questions about your household's access to water and soap.

Where do you get your water from for domestic use? I If household uses more than one source, ask for the MAIN one.	SINGLE-SELECT water_src 01 ◯ Piped private 02 ◯ Piped communal 03 ◯ Surface water, river, stream, ponds, dam, lake, canal 04 ◯ Ground water (spring, well, etc) 05 ◯ Water vendor 88 ◯ Other
Please specify other E water_src==88	TEXT water_src_oth ┉┉┉┉┉┉┉┉┉┉┉┉┉┉┉
Do you have access to enough water for your household domestic use needs?	SINGLE-SELECT water_acc_suff 01 ◯ Yes 02 ◯ No
What is the main challenge you face in accessing water for domestic use? E water_acc_suff==2	SINGLE-SELECT water_acc_clg 01 ◯ Not enough water available 02 ◯ Cost 03 ◯ Distance 04 ◯ Sporadic availability 05 ◯ No municipal service/water pipeline 06 ◯ Water access is controlled 07 ◯ Drought 88 ◯ Other
Please specify other E water_acc_clg==88	TEXT water_acc_clg_oth ┉┉┉┉┉┉┉┉┉┉┉┉┉┉┉

Do you have access to soap to wash your hands?	SINGLE-SELECT	soap_acc
	01 ⚪ Yes	
	02 ⚪ No	

COVID-19 BEHAVIOUR AND ACCESS
HEALTH SEEKING BEHAVIOUR

STATIC TEXT

Now, I'd like to ask you some questions about your household's access to healthcare

Have you or any member of your household needed any medical treatment or consultation since schools closed last March 2020?	SINGLE-SELECT	healthtreat
	01 ⚪ Yes	
	02 ⚪ No	

Were you or the member of your household who needed the medical treatment able to access the medical treatment? E `healthtreat==1`	SINGLE-SELECT	healthaccess
	01 ⚪ Yes	
	02 ⚪ No	

What was the main reason you or the member of your household were not able to access the medical treatment? I Do NOT read answer options to respondent. E `healthaccess==2`	SINGLE-SELECT	healthnoacc
	01 ⚪ Cost - Could not afford care	
	02 ⚪ Cost - Could not afford transportation	
	03 ⚪ Health facility was closed	
	04 ⚪ Health facility had a long wait time / was understaffed	
	05 ⚪ We don't want to get infected by COVID-19	
	06 ⚪ Appointment forgotten	
	07 ⚪ Too busy	
	08 ⚪ Had to work	
	09 ⚪ Lack of medical facilities nearby	
	10 ⚪ Social/religious taboo	
	88 ⚪ Other	

Please specify other E `healthnoacc==88`	TEXT	healthnoacc_oth
	....	

COVID-19 BEHAVIOUR AND ACCESS
REMOTE EDUCATION

During the period when schools were closed from March to December 2020, did the school-going children in this household follow any education program or online course on a mobile device? I This includes any learning activities, not just formal distance education.	SINGLE-SELECT	educ_mobile
	01 ⚪ Yes	
	02 ⚪ No	

For how many hours on average during school days did the school-going children in this household follow an education program or online course on a mobile device? I Report average hours PER DAY E `educ_mobile==1`	NUMERIC: INTEGER	educ_mobile_hrs
	....	

WOMAN TIME USE

E `consent==1 && listcomp==1 && femalerespcode!=100`

STATIC TEXT

Now I would like to interview %femrespname% and ask a few questions about the activities that %femrespname% carries out during the day and in the evenings, and how %femrespname% spends her time.

Is %femrespname% available now?	SINGLE-SELECT	respav
	01 ◯ Yes	
	02 ◯ No	

Is %femrespname2% available now? E `respav==2 && numfem15ab2>=1`	SINGLE-SELECT	respav2
	01 ◯ Yes	
	02 ◯ No	

VARIABLE `memroster.Count(x=>x.@rowcode!=femalerespcode && x.memagey>15 && x.memagey<60 && x.memsex==2)`	LONG	numfem15ab2

VARIABLE `(long)Math.Floor(Quest.IRnd()*numfem15ab2.Value)`	LONG	rnd2

VARIABLE `memroster.Where(x=>x.@rowcode!=femalerespcode && x.memagey>15 && x.memagey<60 && x.memsex==2).Select(z=>z.@rowcode).ToArray()[rnd2.Value]`	LONG	randfemrespcode2

VARIABLE `list.Where(x=>x.Item1==randfemrespcode2).First().Item2`	STRING	femrespname2

STATIC TEXT

E `(respav==2 && respav2==2) || (respav==2 && numfem15ab2<1)`

Ok, thank you for your time. We will have to come back at another time when %femrespname% is available to finish the interview.

INTERVIEWER: Is the selected female for this module the same as the respondent to the previous modules? E `respav==1 || respav2==1`	SINGLE-SELECT	resp_same
	01 ◯ Same respondent	
	02 ◯ Different respondent	

STATIC TEXT

E `resp_same==2`

Before I ask for your premission to conduct this research, I would like to ask you a few questions about whether you or anyone in your household are currently experiencing symptoms associated with COVID-19, or if you have been in contact with someone who is. Please note that the ONLY reason we are collecting this information is to keep everyone in the community safe. After my visit with you today, I will be visiting other households in the community to administer the same survey. Therefore, we want to ensure to follow all safety precautions and all government rules in order to protect everyone. The answers you will give us will not be shared with anyone outside of the research team and I want to assure you that we will not share it with anyone else in the community nor will we share it with health providers or government representatives. The information you give will remain confidential.

Within the last 14 days, have you had close contact with someone outside the household who is or was sick with COVID-19/coronavirus? Note that close contact is defined as being within 6 feet of someone for more than 10 consecutive minutes. E `resp_same==2`	SINGLE-SELECT	cv_contactcvcase2
	01 ◯ Yes	
	02 ◯ No	

Within the last 14 days, have you had a high temperature or the sense of having a fever? E `cv_contactcvcase2==2`	SINGLE-SELECT 01 ◯ Yes 00 ◯ No	cv_fever2
Within the last 14 days, have you had a new, continuous cough? E `cv_contactcvcase2==2`	SINGLE-SELECT 01 ◯ Yes 00 ◯ No	cv_cough2
Within the last 14 days, have you had a loss of, or change to, your sense of smell or taste? E `cv_contactcvcase2==2`	SINGLE-SELECT 01 ◯ Yes 00 ◯ No	cv_sense2
Within the last 14 days, have you had shortness of breath or difficulty breathing? E `cv_contactcvcase2==2`	SINGLE-SELECT 01 ◯ Yes 00 ◯ No	cv_shortness2
VARIABLE `cv_fever2+cv_cough2+cv_sense2+cv_shortness2`	LONG	symp_sum2

STATIC TEXT

E `cv_contactcvcase2==1 || symp_sum2>1`

The answers you have provided indicate that you may be at increased risk for COVID-19. If you are not feeling well, we hope that you feel better soon. Unfortunately, based on this, we would have to postpone our interview today and potentially come back at another time after 14 days. This is to ensure safety for everyone. We would also advise that you avoid contact with others and monitor the health of everyone in your household. Should anyone get ill, we would recommend that you seek medical care as needed. You can call at 719 or text at *719# if you feel unwell.

STATIC TEXT

E `cv_contactcvcase2==1 || symp_sum2>1`

INTERVIEWER: you can now skip the woman time use module and go to the child time use module.

Thank you for answering my questions about COVID-19/coronavirus symptoms. I would now like to ask for your permission to conduct this interview. <u>Do I have your permission to conduct this research</u>? E `cv_contactcvcase2==2 && symp_sum2<2` V1 `self==1` M1 The respondent hasn't agreed to participate. SPEAK TO YOUR SUPERVISOR	SINGLE-SELECT 01 ◯ Yes 02 ◯ No	consent2

WOMAN TIME USE
TIME USE

E `resp_same==1 || consent2==1`

STATIC TEXT

I would like to start by asking what you do on a usual week day (i.e. Monday to Friday) when children go to school, starting from when you wake up to when you go to sleep for the night, indicating the amount of time spent on each activity and whether this was carried out at home or away from home.

We are going to speak about all of your acitivities throughout the day starting in the morning and ending at night. All the activities that you take part in interest me. Activities include things like time spent preparing meals, eating, domestic chores, working, time spent with children or with your friends etc. Even if you don't devote too much time to an activity, I am interested in hearing about this activity.

Let's begin by thinking about the start of your day.

STATIC TEXT

Please think about a usual week day (i.e. Monday to Friday) when schools were open during January to March 2021 and

children were going to school.

What time do you usually wake up?

I	Please record the time using 24-hour notation
V1	IsMilitaryTime(wkptime_str)
M1	Please enter a valid time
W2	wkptime_int<1100
M2	Verify that you have entered the wake up time correctly.

TEXT wkptime

What time do you usually go to sleep?

I	Please record the time using 24-hour notation
V1	IsMilitaryTime(sleeptime_str)
M1	Please enter valid time

TEXT sleeptime

VARIABLE
Convert.ToInt32(Concat(wkptime.Left(2), wkptime.Right(2)))

LONG wkptime_int

VARIABLE
Concat(wkptime.Left(2), wkptime.Right(2))

STRING wkptime_str

VARIABLE
Convert.ToInt32(Concat(sleeptime.Left(2), sleeptime.Right(2)))

LONG sleeptime_int

VARIABLE
Concat(sleeptime.Left(2), sleeptime.Right(2))

STRING sleeptime_str

VARIABLE
sleeptime_int>=0000 && sleeptime_int<0400

BOOLEAN midnight

How do you usually spend your time between 03:00 and 03:30?

E wkptime_int<=0315

SINGLE-SELECT time_45

- 01 ◯ Get ready
- 02 ◯ Prepare meals/eat meals
- 03 ◯ Attend to children
- 04 ◯ Get children ready for school
- 05 ◯ Care for children, sick, elderly, disabled
- 06 ◯ Do laundry
- 07 ◯ Clean utensils
- 08 ◯ Clean dwelling / homestead
- 09 ◯ Maintain / repair dwelling
- 10 ◯ Fetch water
- 11 ◯ Collect firewood
- 12 ◯ Buy household goods (incl. travel time)
- 13 ◯ Go to the farm or work on the plot (not for pay)
- 14 ◯ Take care/feed animals/cut grass for fodder (not for pay)
- 15 ◯ Travel to/from work
- 16 ◯ Time spent at work

And 14 other symbols [14]

Specify Other

E time_45==88

TEXT time_45_other

Where is %time_45% usually carried out?	SINGLE-SELECT	actloc_45

E `time_45.InList(3,5,6,13,14,16,17,19,20,23,24,27,28,88)`

01 ◯ At home
02 ◯ Away from home
03 ◯ Both

Do you use any sources of lighting while %time_45%?	SINGLE-SELECT	actlight_45

E `time_45.InList(1,2,4,7,8,9,21,22,29) || actloc_45.InList(1,3)`

01 ◯ Yes
02 ◯ No

What is the main source of lighting you use?	SINGLE-SELECT	actlightd_45

E `actlight_45==1`

01 ◯ Firewood
02 ◯ Candle
03 ◯ Kerosene lamp
04 ◯ Diesel/gasoline lamp
05 ◯ LPG lamp
06 ◯ Biogas lamp
07 ◯ Dry-cell battery torch
08 ◯ Rechargeable battery (incl. rechargeable torch)
09 ◯ Solar lantern
10 ◯ Solar home system
11 ◯ Mini-grid
12 ◯ National grid (KPLC)
13 ◯ Mobile phone torch
14 ◯ Solar torch
15 ◯ Light source NOT owned by household
88 ◯ Other

How do you usually spend your time between 03:30 and 04:00?	SINGLE-SELECT	time_46

E `wkptime_int<=0345`

01 ◯ Get ready
02 ◯ Prepare meals/eat meals
03 ◯ Attend to children
04 ◯ Get children ready for school
05 ◯ Care for children, sick, elderly, disabled
06 ◯ Do laundry
07 ◯ Clean utensils
08 ◯ Clean dwelling / homestead
09 ◯ Maintain / repair dwelling
10 ◯ Fetch water
11 ◯ Collect firewood
12 ◯ Buy household goods (incl. travel time)
13 ◯ Go to the farm or work on the plot (not for pay)
14 ◯ Take care/feed animals/cut grass for fodder (not for pay)
15 ◯ Travel to/from work
16 ◯ Time spent at work

And 14 other symbols [15]

Specify Other	TEXT	time_46_other

E `time_46==88`

Where is %time_46% usually carried out?	SINGLE-SELECT	actloc_46

E `time_45.InList(3,5,13,14,16,17,19,20,23,24,27,28,88) && time_45!=time_46`

01 ◯ At home
02 ◯ Away from home
03 ◯ Both

Do you use any sources of lighting while %time_46%?	SINGLE-SELECT	actlight_46

E `(time_46.InList(1,2,4,7,8,9,21,22,29) && time_46!=time_45) || (actloc_46.InList(1,3) && time_45!=time_46)`

01 ◯ Yes
02 ◯ No

What is the main source of lighting you use?	SINGLE-SELECT	actlightd_46

E `actlight_46==1`

01 ◯ Firewood
02 ◯ Candle
03 ◯ Kerosene lamp
04 ◯ Diesel/gasoline lamp
05 ◯ LPG lamp
06 ◯ Biogas lamp
07 ◯ Dry-cell battery torch
08 ◯ Rechargeable battery (incl. rechargeable torch)
09 ◯ Solar lantern
10 ◯ Solar home system
11 ◯ Mini-grid
12 ◯ National grid (KPLC)
13 ◯ Mobile phone torch
14 ◯ Solar torch
15 ◯ Light source NOT owned by household
88 ◯ Other

How do you usually spend your time between 04:00 and 04:30?	SINGLE-SELECT	time_47

E `wkptime_int<=0415`

01 ◯ Get ready
02 ◯ Prepare meals/eat meals
03 ◯ Attend to children
04 ◯ Get children ready for school
05 ◯ Care for children, sick, elderly, disabled
06 ◯ Do laundry
07 ◯ Clean utensils
08 ◯ Clean dwelling / homestead
09 ◯ Maintain / repair dwelling
10 ◯ Fetch water
11 ◯ Collect firewood
12 ◯ Buy household goods (incl. travel time)
13 ◯ Go to the farm or work on the plot (not for pay)
14 ◯ Take care/feed animals/cut grass for fodder (not for pay)
15 ◯ Travel to/from work
16 ◯ Time spent at work

And 14 other symbols [16]

Specify Other	TEXT	time_47_other

E `time_47==88`

....

Where is %time_47% usually carried out?	SINGLE-SELECT	actloc_47

E `time_47.InList(3,5,6,13,14,16,17,19,20,23,24,27,28,88) & & time_46!=time_47`

01 ○ At home
02 ○ Away from home
03 ○ Both

Do you use any sources of lighting while %time_47%?	SINGLE-SELECT	actlight_47

E `(time_47.InList(1,2,4,7,8,9,21,22,29) && time_46!=time_47) || (actloc_47.InList(1,3) && time_46!=time_47)`

01 ○ Yes
02 ○ No

What is the main source of lighting you use?	SINGLE-SELECT	actlightd_47

E `actlight_47==1`

01 ○ Firewood
02 ○ Candle
03 ○ Kerosene lamp
04 ○ Diesel/gasoline lamp
05 ○ LPG lamp
06 ○ Biogas lamp
07 ○ Dry-cell battery torch
08 ○ Rechargeable battery (incl. rechargeable torch)
09 ○ Solar lantern
10 ○ Solar home system
11 ○ Mini-grid
12 ○ National grid (KPLC)
13 ○ Mobile phone torch
14 ○ Solar torch
15 ○ Light source NOT owned by household
88 ○ Other

How do you usually spend your time between 04:30 and 05:00?	SINGLE-SELECT	time_48

E `wkptime_int<=0445`

01 ○ Get ready
02 ○ Prepare meals/eat meals
03 ○ Attend to children
04 ○ Get children ready for school
05 ○ Care for children, sick, elderly, disabled
06 ○ Do laundry
07 ○ Clean utensils
08 ○ Clean dwelling / homestead
09 ○ Maintain / repair dwelling
10 ○ Fetch water
11 ○ Collect firewood
12 ○ Buy household goods (incl. travel time)
13 ○ Go to the farm or work on the plot (not for pay)
14 ○ Take care/feed animals/cut grass for fodder (not for pay)
15 ○ Travel to/from work
16 ○ Time spent at work

And 14 other symbols [17]

Specify Other	TEXT	time_48_other

E `time_48==88`

....

Where is %time_48% usually carried out?	SINGLE-SELECT	actloc_48

E `time_48.InList(3,5,6,13,14,16,17,19,20,23,24,27,28,88) & & time_47!=time_48`

01 ◯ At home
02 ◯ Away from home
03 ◯ Both

Do you use any sources of lighting while %time_48%?	SINGLE-SELECT	actlight_48

E `(time_48.InList(1,2,4,7,8,9,21,22,29) && time_47!=time_4 8) || (actloc_48.InList(1,3) && time_48!=time_47)`

01 ◯ Yes
02 ◯ No

What is the main source of lighting you use?	SINGLE-SELECT	actlightd_48

E `actlight_48==1`

01 ◯ Firewood
02 ◯ Candle
03 ◯ Kerosene lamp
04 ◯ Diesel/gasoline lamp
05 ◯ LPG lamp
06 ◯ Biogas lamp
07 ◯ Dry-cell battery torch
08 ◯ Rechargeable battery (incl. rechargeable torch)
09 ◯ Solar lantern
10 ◯ Solar home system
11 ◯ Mini-grid
12 ◯ National grid (KPLC)
13 ◯ Mobile phone torch
14 ◯ Solar torch
15 ◯ Light source NOT owned by household
88 ◯ Other

How do you usually spend your time between 05:00 and 05:30?	SINGLE-SELECT	time_1

E `wkptime_int<=0515`

01 ◯ Get ready
02 ◯ Prepare meals/eat meals
03 ◯ Attend to children
04 ◯ Get children ready for school
05 ◯ Care for children, sick, elderly, disabled
06 ◯ Do laundry
07 ◯ Clean utensils
08 ◯ Clean dwelling / homestead
09 ◯ Maintain / repair dwelling
10 ◯ Fetch water
11 ◯ Collect firewood
12 ◯ Buy household goods (incl. travel time)
13 ◯ Go to the farm or work on the plot (not for pay)
14 ◯ Take care/feed animals/cut grass for fodder (not for pay)
15 ◯ Travel to/from work
16 ◯ Time spent at work

And 14 other symbols [18]

Specify Other	TEXT	time_1_other

E `time_1==88`

....

Where is %time_1% usually carried out? E `time_1.InList(3,5,6,13,14,16,17,19,20,23,24,27,28,88) && time_1!=time_48`	SINGLE-SELECT actloc_1 01 ◯ At home 02 ◯ Away from home 03 ◯ Both
Do you use any sources of lighting while %time_1%? E `(time_1.InList(1,2,4,7,8,9,21,22,29) && time_1!=time_48) || (actloc_1.InList(1,3) && time_1!=time_48)`	SINGLE-SELECT actlight_1 01 ◯ Yes 02 ◯ No
What is the main source of lighting you use? E `actlight_1==1`	SINGLE-SELECT actlightd_1 01 ◯ Firewood 02 ◯ Candle 03 ◯ Kerosene lamp 04 ◯ Diesel/gasoline lamp 05 ◯ LPG lamp 06 ◯ Biogas lamp 07 ◯ Dry-cell battery torch 08 ◯ Rechargeable battery (incl. rechargeable torch) 09 ◯ Solar lantern 10 ◯ Solar home system 11 ◯ Mini-grid 12 ◯ National grid (KPLC) 13 ◯ Mobile phone torch 14 ◯ Solar torch 15 ◯ Light source NOT owned by household 88 ◯ Other
How do you usually spend your time between 05:30 and 06:00? E `wkptime_int<=0545`	SINGLE-SELECT time_2 01 ◯ Get ready 02 ◯ Prepare meals/eat meals 03 ◯ Attend to children 04 ◯ Get children ready for school 05 ◯ Care for children, sick, elderly, disabled 06 ◯ Do laundry 07 ◯ Clean utensils 08 ◯ Clean dwelling / homestead 09 ◯ Maintain / repair dwelling 10 ◯ Fetch water 11 ◯ Collect firewood 12 ◯ Buy household goods (incl. travel time) 13 ◯ Go to the farm or work on the plot (not for pay) 14 ◯ Take care/feed animals/cut grass for fodder (not for pay) 15 ◯ Travel to/from work 16 ◯ Time spent at work And 14 other symbols [19]
Specify Other E `time_2==88`	TEXT time_2_other ┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄

Where is %time_2% usually carried out?	SINGLE-SELECT	actloc_2

E `time_2.InList(3,5,6,13,14,16,17,19,20,23,24,27,28,88) && time_1!=time_2`

01 ○ At home
02 ○ Away from home
03 ○ Both

Do you use any sources of lighting while %time_2%?	SINGLE-SELECT	actlight_2

E `(time_2.InList(1,2,4,7,8,9,21,22,29) && time_1!=time_2) || (actloc_2.InList(1,3) && time_1!=time_2)`

01 ○ Yes
02 ○ No

What is the main source of lighting you use?	SINGLE-SELECT	actlightd_2

E `actlight_2==1`

01 ○ Firewood
02 ○ Candle
03 ○ Kerosene lamp
04 ○ Diesel/gasoline lamp
05 ○ LPG lamp
06 ○ Biogas lamp
07 ○ Dry-cell battery torch
08 ○ Rechargeable battery (incl. rechargeable torch)
09 ○ Solar lantern
10 ○ Solar home system
11 ○ Mini-grid
12 ○ National grid (KPLC)
13 ○ Mobile phone torch
14 ○ Solar torch
15 ○ Light source NOT owned by household
88 ○ Other

How do you usually spend your time between 06:00 and 06:30?	SINGLE-SELECT	time_3

E `wkptime_int<=0615`

01 ○ Get ready
02 ○ Prepare meals/eat meals
03 ○ Attend to children
04 ○ Get children ready for school
05 ○ Care for children, sick, elderly, disabled
06 ○ Do laundry
07 ○ Clean utensils
08 ○ Clean dwelling / homestead
09 ○ Maintain / repair dwelling
10 ○ Fetch water
11 ○ Collect firewood
12 ○ Buy household goods (incl. travel time)
13 ○ Go to the farm or work on the plot (not for pay)
14 ○ Take care/feed animals/cut grass for fodder (not for pay)
15 ○ Travel to/from work
16 ○ Time spent at work

And 14 other symbols [20]

Specify Other	TEXT	time_3_other

E `time_3==88`

┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄

Where is %time_3% usually carried out?	SINGLE-SELECT	actloc_3

E `time_3.InList(3,5,6,13,14,16,17,19,20,23,24,27,28,88) && time_2!=time_3`

01 ◯ At home
02 ◯ Away from home
03 ◯ Both

Do you use any sources of lighting while %time_3%?	SINGLE-SELECT	actlight_3

E `(time_3.InList(1,2,4,7,8,9,21,22,29) && time_2!=time_3) || (actloc_3.InList(1,3) && time_2!=time_3)`

01 ◯ Yes
02 ◯ No

What is the main source of lighting you use?	SINGLE-SELECT	actlightd_3

E `actlight_3==1`

01 ◯ Firewood
02 ◯ Candle
03 ◯ Kerosene lamp
04 ◯ Diesel/gasoline lamp
05 ◯ LPG lamp
06 ◯ Biogas lamp
07 ◯ Dry-cell battery torch
08 ◯ Rechargeable battery (incl. rechargeable torch)
09 ◯ Solar lantern
10 ◯ Solar home system
11 ◯ Mini-grid
12 ◯ National grid (KPLC)
13 ◯ Mobile phone torch
14 ◯ Solar torch
15 ◯ Light source NOT owned by household
88 ◯ Other

How do you usually spend your time between 06:30 and 07:00?	SINGLE-SELECT	time_4

E `wkptime_int<=0645`

01 ◯ Get ready
02 ◯ Prepare meals/eat meals
03 ◯ Attend to children
04 ◯ Get children ready for school
05 ◯ Care for children, sick, elderly, disabled
06 ◯ Do laundry
07 ◯ Clean utensils
08 ◯ Clean dwelling / homestead
09 ◯ Maintain / repair dwelling
10 ◯ Fetch water
11 ◯ Collect firewood
12 ◯ Buy household goods (incl. travel time)
13 ◯ Go to the farm or work on the plot (not for pay)
14 ◯ Take care/feed animals/cut grass for fodder (not for pay)
15 ◯ Travel to/from work
16 ◯ Time spent at work

And 14 other symbols [21]

Specify Other	TEXT	time_4_other

E `time_4==88`

....

Where is %time_4% usually carried out?	SINGLE-SELECT	actloc_4

E `time_4.InList(3,5,6,13,14,16,17,19,20,23,24,27,28,88) && time_3!=time_4`

01 ○ At home
02 ○ Away from home
03 ○ Both

Do you use any sources of lighting while %time_4%?	SINGLE-SELECT	actlight_4

E `(time_4.InList(1,2,4,7,8,9,21,22,29) && time_4!=time_3) || (actloc_4.InList(1,3) && time_4!=time_3)`

01 ○ Yes
02 ○ No

What is the main source of lighting you use?	SINGLE-SELECT	actlightd_4

E `actlight_4==1`

01 ○ Firewood
02 ○ Candle
03 ○ Kerosene lamp
04 ○ Diesel/gasoline lamp
05 ○ LPG lamp
06 ○ Biogas lamp
07 ○ Dry-cell battery torch
08 ○ Rechargeable battery (incl. rechargeable torch)
09 ○ Solar lantern
10 ○ Solar home system
11 ○ Mini-grid
12 ○ National grid (KPLC)
13 ○ Mobile phone torch
14 ○ Solar torch
15 ○ Light source NOT owned by household
88 ○ Other

How do you usually spend your time between 07:00 and 07:30?	SINGLE-SELECT	time_5

E `wkptime_int<=0715`

01 ○ Get ready
02 ○ Prepare meals/eat meals
03 ○ Attend to children
04 ○ Get children ready for school
05 ○ Care for children, sick, elderly, disabled
06 ○ Do laundry
07 ○ Clean utensils
08 ○ Clean dwelling / homestead
09 ○ Maintain / repair dwelling
10 ○ Fetch water
11 ○ Collect firewood
12 ○ Buy household goods (incl. travel time)
13 ○ Go to the farm or work on the plot (not for pay)
14 ○ Take care/feed animals/cut grass for fodder (not for pay)
15 ○ Travel to/from work
16 ○ Time spent at work

And 14 other symbols [22]

Specify Other	TEXT	time_5_other

E `time_5==88`

....

Where is %time_5% usually carried out? E `time_5.InList(3,5,6,13,14,16,17,19,20,23,24,27,28,88) && time_4!=time_5`	SINGLE-SELECT actloc_5 01 ◯ At home 02 ◯ Away from home 03 ◯ Both
Do you use any sources of lighting while %time_5%? E `(time_5.InList(1,2,4,7,8,9,21,22,29) && time_4!=time_5) || (actloc_5.InList(1,3) && time_5!=time_4)`	SINGLE-SELECT actlight_5 01 ◯ Yes 02 ◯ No
What is the main source of lighting you use? E `actlight_5==1`	SINGLE-SELECT actlightd_5 01 ◯ Firewood 02 ◯ Candle 03 ◯ Kerosene lamp 04 ◯ Diesel/gasoline lamp 05 ◯ LPG lamp 06 ◯ Biogas lamp 07 ◯ Dry-cell battery torch 08 ◯ Rechargeable battery (incl. rechargeable torch) 09 ◯ Solar lantern 10 ◯ Solar home system 11 ◯ Mini-grid 12 ◯ National grid (KPLC) 13 ◯ Mobile phone torch 14 ◯ Solar torch 15 ◯ Light source NOT owned by household 88 ◯ Other
How do you usually spend your time between 07:30 and 08:00? E `wkptime_int<=0745`	SINGLE-SELECT time_6 01 ◯ Get ready 02 ◯ Prepare meals/eat meals 03 ◯ Attend to children 04 ◯ Get children ready for school 05 ◯ Care for children, sick, elderly, disabled 06 ◯ Do laundry 07 ◯ Clean utensils 08 ◯ Clean dwelling / homestead 09 ◯ Maintain / repair dwelling 10 ◯ Fetch water 11 ◯ Collect firewood 12 ◯ Buy household goods (incl. travel time) 13 ◯ Go to the farm or work on the plot (not for pay) 14 ◯ Take care/feed animals/cut grass for fodder (not for pay) 15 ◯ Travel to/from work 16 ◯ Time spent at work And 14 other symbols [23]
Specify Other E `time_6==88`	TEXT time_6_other ....

Where is %time_6% usually carried out?	SINGLE-SELECT	actloc_6
E `time_6.InList(3,5,6,13,14,16,17,19,20,23,24,27,28,88) && time_5!=time_6`	01 ◯ At home 02 ◯ Away from home 03 ◯ Both	

Do you use any sources of lighting while %time_6%?	SINGLE-SELECT	actlight_6
E `(time_6.InList(1,2,4,7,8,9,21,22,29) && time_5!=time_6) || (actloc_6.InList(1,3) && time_5!=time_6)`	01 ◯ Yes 02 ◯ No	

What is the main source of lighting you use?	SINGLE-SELECT	actlightd_6
E `actlight_6==1`	01 ◯ Firewood 02 ◯ Candle 03 ◯ Kerosene lamp 04 ◯ Diesel/gasoline lamp 05 ◯ LPG lamp 06 ◯ Biogas lamp 07 ◯ Dry-cell battery torch 08 ◯ Rechargeable battery (incl. rechargeable torch) 09 ◯ Solar lantern 10 ◯ Solar home system 11 ◯ Mini-grid 12 ◯ National grid (KPLC) 13 ◯ Mobile phone torch 14 ◯ Solar torch 15 ◯ Light source NOT owned by household 88 ◯ Other	

How do you usually spend your time between 08:00 and 08:30?	SINGLE-SELECT	time_7
E `wkptime_int<=0815`	01 ◯ Get ready 02 ◯ Prepare meals/eat meals 03 ◯ Attend to children 04 ◯ Get children ready for school 05 ◯ Care for children, sick, elderly, disabled 06 ◯ Do laundry 07 ◯ Clean utensils 08 ◯ Clean dwelling / homestead 09 ◯ Maintain / repair dwelling 10 ◯ Fetch water 11 ◯ Collect firewood 12 ◯ Buy household goods (incl. travel time) 13 ◯ Go to the farm or work on the plot (not for pay) 14 ◯ Take care/feed animals/cut grass for fodder (not for pay) 15 ◯ Travel to/from work 16 ◯ Time spent at work And 14 other symbols [24]	

Specify Other	TEXT	time_7_other
E `time_7==88`	....	

How do you usually spend your time between 08:30 and 09:00?	SINGLE-SELECT	time_8

E `wkptime_int<=0845`

01 ◯ Get ready
02 ◯ Prepare meals/eat meals
03 ◯ Attend to children
04 ◯ Get children ready for school
05 ◯ Care for children, sick, elderly, disabled
06 ◯ Do laundry
07 ◯ Clean utensils
08 ◯ Clean dwelling / homestead
09 ◯ Maintain / repair dwelling
10 ◯ Fetch water
11 ◯ Collect firewood
12 ◯ Buy household goods (incl. travel time)
13 ◯ Go to the farm or work on the plot (not for pay)
14 ◯ Take care/feed animals/cut grass for fodder (not for pay)
15 ◯ Travel to/from work
16 ◯ Time spent at work

And 14 other symbols [25]

Specify Other	TEXT	time_8_other

E `time_8==88`

....

How do you usually spend your time between 09:00 and 09:30?	SINGLE-SELECT	time_9

E `wkptime_int<=0915`

01 ◯ Get ready
02 ◯ Prepare meals/eat meals
03 ◯ Attend to children
04 ◯ Get children ready for school
05 ◯ Care for children, sick, elderly, disabled
06 ◯ Do laundry
07 ◯ Clean utensils
08 ◯ Clean dwelling / homestead
09 ◯ Maintain / repair dwelling
10 ◯ Fetch water
11 ◯ Collect firewood
12 ◯ Buy household goods (incl. travel time)
13 ◯ Go to the farm or work on the plot (not for pay)
14 ◯ Take care/feed animals/cut grass for fodder (not for pay)
15 ◯ Travel to/from work
16 ◯ Time spent at work

And 14 other symbols [26]

Specify Other	TEXT	time_9_other

E `time_9==88`

....

How do you usually spend your time between 09:30 and 10:00?	SINGLE-SELECT	time_10

E `wkptime_int<=0945`

01 ◯ Get ready
02 ◯ Prepare meals/eat meals
03 ◯ Attend to children
04 ◯ Get children ready for school
05 ◯ Care for children, sick, elderly, disabled
06 ◯ Do laundry
07 ◯ Clean utensils
08 ◯ Clean dwelling / homestead
09 ◯ Maintain / repair dwelling
10 ◯ Fetch water
11 ◯ Collect firewood
12 ◯ Buy household goods (incl. travel time)
13 ◯ Go to the farm or work on the plot (not for pay)
14 ◯ Take care/feed animals/cut grass for fodder (not for pay)
15 ◯ Travel to/from work
16 ◯ Time spent at work

And 14 other symbols [27]

Specify Other	TEXT	time_10_other

E `time_10==88`

··

How do you usually spend your time between 10:00 and 10:30?	SINGLE-SELECT	time_11

E `wkptime_int<=1015`

01 ◯ Get ready
02 ◯ Prepare meals/eat meals
03 ◯ Attend to children
04 ◯ Get children ready for school
05 ◯ Care for children, sick, elderly, disabled
06 ◯ Do laundry
07 ◯ Clean utensils
08 ◯ Clean dwelling / homestead
09 ◯ Maintain / repair dwelling
10 ◯ Fetch water
11 ◯ Collect firewood
12 ◯ Buy household goods (incl. travel time)
13 ◯ Go to the farm or work on the plot (not for pay)
14 ◯ Take care/feed animals/cut grass for fodder (not for pay)
15 ◯ Travel to/from work
16 ◯ Time spent at work

And 14 other symbols [28]

Specify Other	TEXT	time_11_other

E `time_11==88`

··

How do you usually spend your time between 10:30 and 11:00?	SINGLE-SELECT	time_12

E `wkptime_int<=1045`

01 ◯ Get ready
02 ◯ Prepare meals/eat meals
03 ◯ Attend to children
04 ◯ Get children ready for school
05 ◯ Care for children, sick, elderly, disabled
06 ◯ Do laundry
07 ◯ Clean utensils
08 ◯ Clean dwelling / homestead
09 ◯ Maintain / repair dwelling
10 ◯ Fetch water
11 ◯ Collect firewood
12 ◯ Buy household goods (incl. travel time)
13 ◯ Go to the farm or work on the plot (not for pay)
14 ◯ Take care/feed animals/cut grass for fodder (not for pay)
15 ◯ Travel to/from work
16 ◯ Time spent at work

And 14 other symbols [29]

Specify Other	TEXT	time_12_other

E `time_12==88`

....

How do you usually spend your time between 11:00 and 11:30?	SINGLE-SELECT	time_13

01 ◯ Get ready
02 ◯ Prepare meals/eat meals
03 ◯ Attend to children
04 ◯ Get children ready for school
05 ◯ Care for children, sick, elderly, disabled
06 ◯ Do laundry
07 ◯ Clean utensils
08 ◯ Clean dwelling / homestead
09 ◯ Maintain / repair dwelling
10 ◯ Fetch water
11 ◯ Collect firewood
12 ◯ Buy household goods (incl. travel time)
13 ◯ Go to the farm or work on the plot (not for pay)
14 ◯ Take care/feed animals/cut grass for fodder (not for pay)
15 ◯ Travel to/from work
16 ◯ Time spent at work

And 14 other symbols [30]

Specify Other	TEXT	time_13_other

E `time_13==88`

....

How do you usually spend your time between 11:30 and 12:00?	SINGLE-SELECT	time_14

01 ◯ Get ready
02 ◯ Prepare meals/eat meals
03 ◯ Attend to children
04 ◯ Get children ready for school
05 ◯ Care for children, sick, elderly, disabled
06 ◯ Do laundry
07 ◯ Clean utensils
08 ◯ Clean dwelling / homestead
09 ◯ Maintain / repair dwelling
10 ◯ Fetch water
11 ◯ Collect firewood
12 ◯ Buy household goods (incl. travel time)
13 ◯ Go to the farm or work on the plot (not for pay)
14 ◯ Take care/feed animals/cut grass for fodder (not for pay)
15 ◯ Travel to/from work
16 ◯ Time spent at work

And 14 other symbols [31]

Specify Other	TEXT	time_14_other

E `time_14==88`

How do you usually spend your time between 12:00 and 12:30?	SINGLE-SELECT	time_15

01 ◯ Get ready
02 ◯ Prepare meals/eat meals
03 ◯ Attend to children
04 ◯ Get children ready for school
05 ◯ Care for children, sick, elderly, disabled
06 ◯ Do laundry
07 ◯ Clean utensils
08 ◯ Clean dwelling / homestead
09 ◯ Maintain / repair dwelling
10 ◯ Fetch water
11 ◯ Collect firewood
12 ◯ Buy household goods (incl. travel time)
13 ◯ Go to the farm or work on the plot (not for pay)
14 ◯ Take care/feed animals/cut grass for fodder (not for pay)
15 ◯ Travel to/from work
16 ◯ Time spent at work

And 14 other symbols [32]

Specify Other	TEXT	time_15_other

E `time_15==88`

How do you usually spend your time between 12:30 and 13:00?	SINGLE-SELECT time_16
	01 ○ Get ready
	02 ○ Prepare meals/eat meals
	03 ○ Attend to children
	04 ○ Get children ready for school
	05 ○ Care for children, sick, elderly, disabled
	06 ○ Do laundry
	07 ○ Clean utensils
	08 ○ Clean dwelling / homestead
	09 ○ Maintain / repair dwelling
	10 ○ Fetch water
	11 ○ Collect firewood
	12 ○ Buy household goods (incl. travel time)
	13 ○ Go to the farm or work on the plot (not for pay)
	14 ○ Take care/feed animals/cut grass for fodder (not for pay)
	15 ○ Travel to/from work
	16 ○ Time spent at work
	And 14 other symbols [33]

Specify Other	TEXT time_16_other
E time_16==88	....

How do you usually spend your time between 13:00 and 13:30?	SINGLE-SELECT time_17
	01 ○ Get ready
	02 ○ Prepare meals/eat meals
	03 ○ Attend to children
	04 ○ Get children ready for school
	05 ○ Care for children, sick, elderly, disabled
	06 ○ Do laundry
	07 ○ Clean utensils
	08 ○ Clean dwelling / homestead
	09 ○ Maintain / repair dwelling
	10 ○ Fetch water
	11 ○ Collect firewood
	12 ○ Buy household goods (incl. travel time)
	13 ○ Go to the farm or work on the plot (not for pay)
	14 ○ Take care/feed animals/cut grass for fodder (not for pay)
	15 ○ Travel to/from work
	16 ○ Time spent at work
	And 14 other symbols [34]

Specify Other	TEXT time_17_other
E time_17==88	....

How do you usually spend your time between 13:30 and 14:00?	SINGLE-SELECT	time_18

01 ◯ Get ready
02 ◯ Prepare meals/eat meals
03 ◯ Attend to children
04 ◯ Get children ready for school
05 ◯ Care for children, sick, elderly, disabled
06 ◯ Do laundry
07 ◯ Clean utensils
08 ◯ Clean dwelling / homestead
09 ◯ Maintain / repair dwelling
10 ◯ Fetch water
11 ◯ Collect firewood
12 ◯ Buy household goods (incl. travel time)
13 ◯ Go to the farm or work on the plot (not for pay)
14 ◯ Take care/feed animals/cut grass for fodder (not for pay)
15 ◯ Travel to/from work
16 ◯ Time spent at work

And 14 other symbols [35]

Specify Other	TEXT	time_18_other

E time_18==88

How do you usually spend your time between 14:00 and 14:30?	SINGLE-SELECT	time_19

01 ◯ Get ready
02 ◯ Prepare meals/eat meals
03 ◯ Attend to children
04 ◯ Get children ready for school
05 ◯ Care for children, sick, elderly, disabled
06 ◯ Do laundry
07 ◯ Clean utensils
08 ◯ Clean dwelling / homestead
09 ◯ Maintain / repair dwelling
10 ◯ Fetch water
11 ◯ Collect firewood
12 ◯ Buy household goods (incl. travel time)
13 ◯ Go to the farm or work on the plot (not for pay)
14 ◯ Take care/feed animals/cut grass for fodder (not for pay)
15 ◯ Travel to/from work
16 ◯ Time spent at work

And 14 other symbols [36]

Specify Other	TEXT	time_19_other

E time_19==88

How do you usually spend your time between 14:30 and 15:00?	SINGLE-SELECT time_20
	01 ◯ Get ready
	02 ◯ Prepare meals/eat meals
	03 ◯ Attend to children
	04 ◯ Get children ready for school
	05 ◯ Care for children, sick, elderly, disabled
	06 ◯ Do laundry
	07 ◯ Clean utensils
	08 ◯ Clean dwelling / homestead
	09 ◯ Maintain / repair dwelling
	10 ◯ Fetch water
	11 ◯ Collect firewood
	12 ◯ Buy household goods (incl. travel time)
	13 ◯ Go to the farm or work on the plot (not for pay)
	14 ◯ Take care/feed animals/cut grass for fodder (not for pay)
	15 ◯ Travel to/from work
	16 ◯ Time spent at work
	And 14 other symbols [37]

Specify Other	TEXT time_20_other
E time_20==88	....

How do you usually spend your time between 15:00 and 15:30?	SINGLE-SELECT time_21
	01 ◯ Get ready
	02 ◯ Prepare meals/eat meals
	03 ◯ Attend to children
	04 ◯ Get children ready for school
	05 ◯ Care for children, sick, elderly, disabled
	06 ◯ Do laundry
	07 ◯ Clean utensils
	08 ◯ Clean dwelling / homestead
	09 ◯ Maintain / repair dwelling
	10 ◯ Fetch water
	11 ◯ Collect firewood
	12 ◯ Buy household goods (incl. travel time)
	13 ◯ Go to the farm or work on the plot (not for pay)
	14 ◯ Take care/feed animals/cut grass for fodder (not for pay)
	15 ◯ Travel to/from work
	16 ◯ Time spent at work
	And 14 other symbols [38]

Specify Other	TEXT time_21_other
E time_21==88	....

How do you usually spend your time between 15:30 and 16:00?	SINGLE-SELECT time_22
	01 ○ Get ready
	02 ○ Prepare meals/eat meals
	03 ○ Attend to children
	04 ○ Get children ready for school
	05 ○ Care for children, sick, elderly, disabled
	06 ○ Do laundry
	07 ○ Clean utensils
	08 ○ Clean dwelling / homestead
	09 ○ Maintain / repair dwelling
	10 ○ Fetch water
	11 ○ Collect firewood
	12 ○ Buy household goods (incl. travel time)
	13 ○ Go to the farm or work on the plot (not for pay)
	14 ○ Take care/feed animals/cut grass for fodder (not for pay)
	15 ○ Travel to/from work
	16 ○ Time spent at work
	And 14 other symbols [39]

Specify Other	TEXT time_22_other
E time_22==88	....

How do you usually spend your time between 16:00 and 16:30?	SINGLE-SELECT time_23
	01 ○ Get ready
	02 ○ Prepare meals/eat meals
	03 ○ Attend to children
	04 ○ Get children ready for school
	05 ○ Care for children, sick, elderly, disabled
	06 ○ Do laundry
	07 ○ Clean utensils
	08 ○ Clean dwelling / homestead
	09 ○ Maintain / repair dwelling
	10 ○ Fetch water
	11 ○ Collect firewood
	12 ○ Buy household goods (incl. travel time)
	13 ○ Go to the farm or work on the plot (not for pay)
	14 ○ Take care/feed animals/cut grass for fodder (not for pay)
	15 ○ Travel to/from work
	16 ○ Time spent at work
	And 14 other symbols [40]

Specify Other	TEXT time_23_other
E time_23==88	....

How do you usually spend your time between 16:30 and 17:00?	SINGLE-SELECT	time_24

01 ○ Get ready
02 ○ Prepare meals/eat meals
03 ○ Attend to children
04 ○ Get children ready for school
05 ○ Care for children, sick, elderly, disabled
06 ○ Do laundry
07 ○ Clean utensils
08 ○ Clean dwelling / homestead
09 ○ Maintain / repair dwelling
10 ○ Fetch water
11 ○ Collect firewood
12 ○ Buy household goods (incl. travel time)
13 ○ Go to the farm or work on the plot (not for pay)
14 ○ Take care/feed animals/cut grass for fodder (not for pay)
15 ○ Travel to/from work
16 ○ Time spent at work

And 14 other symbols [41]

Specify Other

E `time_24==88`

TEXT   time_24_other

....

How do you usually spend your time between 17:00 and 17:30?	SINGLE-SELECT	time_25

01 ○ Get ready
02 ○ Prepare meals/eat meals
03 ○ Attend to children
04 ○ Get children ready for school
05 ○ Care for children, sick, elderly, disabled
06 ○ Do laundry
07 ○ Clean utensils
08 ○ Clean dwelling / homestead
09 ○ Maintain / repair dwelling
10 ○ Fetch water
11 ○ Collect firewood
12 ○ Buy household goods (incl. travel time)
13 ○ Go to the farm or work on the plot (not for pay)
14 ○ Take care/feed animals/cut grass for fodder (not for pay)
15 ○ Travel to/from work
16 ○ Time spent at work

And 14 other symbols [42]

Specify Other

E `time_25==88`

TEXT   time_25_other

....

Where is %time_25% usually carried out?

E `time_25.InList(3,5,6,13,14,16,17,19,20,23,24,27,28,88) & & time_24!=time_25`

SINGLE-SELECT   actloc_25

01 ○ At home
02 ○ Away from home
03 ○ Both

Do you use any sources of lighting while %time_25%?	SINGLE-SELECT	actlight_25
E `time_25.InList(1,2,4,7,8,9,21,22,29) || actloc_25.InList(1,3)`	01 ○ Yes 02 ○ No	

What is the main source of lighting you use?	SINGLE-SELECT	actlightd_25
E `actlight_25==1`	01 ○ Firewood 02 ○ Candle 03 ○ Kerosene lamp 04 ○ Diesel/gasoline lamp 05 ○ LPG lamp 06 ○ Biogas lamp 07 ○ Dry-cell battery torch 08 ○ Rechargeable battery (incl. rechargeable torch) 09 ○ Solar lantern 10 ○ Solar home system 11 ○ Mini-grid 12 ○ National grid (KPLC) 13 ○ Mobile phone torch 14 ○ Solar torch 15 ○ Light source NOT owned by household 88 ○ Other	

How do you usually spend your time between 17:30 and 18:00?	SINGLE-SELECT	time_26
	01 ○ Get ready 02 ○ Prepare meals/eat meals 03 ○ Attend to children 04 ○ Get children ready for school 05 ○ Care for children, sick, elderly, disabled 06 ○ Do laundry 07 ○ Clean utensils 08 ○ Clean dwelling / homestead 09 ○ Maintain / repair dwelling 10 ○ Fetch water 11 ○ Collect firewood 12 ○ Buy household goods (incl. travel time) 13 ○ Go to the farm or work on the plot (not for pay) 14 ○ Take care/feed animals/cut grass for fodder (not for pay) 15 ○ Travel to/from work 16 ○ Time spent at work And 14 other symbols [43]	

Specify Other	TEXT	time_26_other
E `time_26==88`	....	

Where is %time_26% usually carried out?	SINGLE-SELECT	actloc_26
E `time_26.InList(3,5,6,13,14,16,17,19,20,23,24,27,28,88) && time_25!=time_26`	01 ○ At home 02 ○ Away from home 03 ○ Both	

Do you use any sources of lighting while %time_26%? E `(time_26.InList(1,2,4,7,8,9,21,22,29) && time_25!=time_26) || (actloc_26.InList(1,3) && time_26!=time_25)`	SINGLE-SELECT actlight_26 01 ◯ Yes 02 ◯ No
What is the main source of lighting you use? E `actlight_26==1`	SINGLE-SELECT actlightd_26 01 ◯ Firewood 02 ◯ Candle 03 ◯ Kerosene lamp 04 ◯ Diesel/gasoline lamp 05 ◯ LPG lamp 06 ◯ Biogas lamp 07 ◯ Dry-cell battery torch 08 ◯ Rechargeable battery (incl. rechargeable torch) 09 ◯ Solar lantern 10 ◯ Solar home system 11 ◯ Mini-grid 12 ◯ National grid (KPLC) 13 ◯ Mobile phone torch 14 ◯ Solar torch 15 ◯ Light source NOT owned by household 88 ◯ Other
How do you usually spend your time between 18:00 and 18:30?	SINGLE-SELECT time_27 01 ◯ Get ready 02 ◯ Prepare meals/eat meals 03 ◯ Attend to children 04 ◯ Get children ready for school 05 ◯ Care for children, sick, elderly, disabled 06 ◯ Do laundry 07 ◯ Clean utensils 08 ◯ Clean dwelling / homestead 09 ◯ Maintain / repair dwelling 10 ◯ Fetch water 11 ◯ Collect firewood 12 ◯ Buy household goods (incl. travel time) 13 ◯ Go to the farm or work on the plot (not for pay) 14 ◯ Take care/feed animals/cut grass for fodder (not for pay) 15 ◯ Travel to/from work 16 ◯ Time spent at work And 14 other symbols [44]
Specify Other E `time_27==88`	TEXT time_27_other ....
Where is %time_27% usually carried out? E `time_27.InList(3,5,6,13,14,16,17,19,20,23,24,27,28,88) && time_26!=time_27`	SINGLE-SELECT actloc_27 01 ◯ At home 02 ◯ Away from home 03 ◯ Both

Do you use any sources of lighting while %time_27%? E `(time_27.InList(1,2,4,7,8,9,21,22,29) && time_26!=time_27) || (actloc_27.InList(1,3) && time_26!=time_27)`	SINGLE-SELECT · actlight_27 01 ⭕ Yes 02 ⭕ No
What is the main source of lighting you use? E `actlight_27==1`	SINGLE-SELECT · actlightd_27 01 ⭕ Firewood 02 ⭕ Candle 03 ⭕ Kerosene lamp 04 ⭕ Diesel/gasoline lamp 05 ⭕ LPG lamp 06 ⭕ Biogas lamp 07 ⭕ Dry-cell battery torch 08 ⭕ Rechargeable battery (incl. rechargeable torch) 09 ⭕ Solar lantern 10 ⭕ Solar home system 11 ⭕ Mini-grid 12 ⭕ National grid (KPLC) 13 ⭕ Mobile phone torch 14 ⭕ Solar torch 15 ⭕ Light source NOT owned by household 88 ⭕ Other
How do you usually spend your time between 18:30 and 19:00?	SINGLE-SELECT · time_28 01 ⭕ Get ready 02 ⭕ Prepare meals/eat meals 03 ⭕ Attend to children 04 ⭕ Get children ready for school 05 ⭕ Care for children, sick, elderly, disabled 06 ⭕ Do laundry 07 ⭕ Clean utensils 08 ⭕ Clean dwelling / homestead 09 ⭕ Maintain / repair dwelling 10 ⭕ Fetch water 11 ⭕ Collect firewood 12 ⭕ Buy household goods (incl. travel time) 13 ⭕ Go to the farm or work on the plot (not for pay) 14 ⭕ Take care/feed animals/cut grass for fodder (not for pay) 15 ⭕ Travel to/from work 16 ⭕ Time spent at work And 14 other symbols [45]
Specify Other E `time_28==88`	TEXT · time_28_other ....
Where is %time_28% usually carried out? E `time_28.InList(3,5,6,13,14,16,17,19,20,23,24,27,28,88) && time_27!=time_28`	SINGLE-SELECT · actloc_28 01 ⭕ At home 02 ⭕ Away from home 03 ⭕ Both

Do you use any sources of lighting while %time_28%?	SINGLE-SELECT	actlight_28
E (time_28.InList(1,2,4,7,8,9,21,22,29) && time_27!=time_28) || (actloc_28.InList(1,3) && time_27!=time_28)	01 ○ Yes 02 ○ No	

What is the main source of lighting you use?	SINGLE-SELECT	actlightd_28
E actlight_28==1	01 ○ Firewood 02 ○ Candle 03 ○ Kerosene lamp 04 ○ Diesel/gasoline lamp 05 ○ LPG lamp 06 ○ Biogas lamp 07 ○ Dry-cell battery torch 08 ○ Rechargeable battery (incl. rechargeable torch) 09 ○ Solar lantern 10 ○ Solar home system 11 ○ Mini-grid 12 ○ National grid (KPLC) 13 ○ Mobile phone torch 14 ○ Solar torch 15 ○ Light source NOT owned by household 88 ○ Other	

How do you usually spend your time between 19:00 and 19:30?	SINGLE-SELECT	time_29
	01 ○ Get ready 02 ○ Prepare meals/eat meals 03 ○ Attend to children 04 ○ Get children ready for school 05 ○ Care for children, sick, elderly, disabled 06 ○ Do laundry 07 ○ Clean utensils 08 ○ Clean dwelling / homestead 09 ○ Maintain / repair dwelling 10 ○ Fetch water 11 ○ Collect firewood 12 ○ Buy household goods (incl. travel time) 13 ○ Go to the farm or work on the plot (not for pay) 14 ○ Take care/feed animals/cut grass for fodder (not for pay) 15 ○ Travel to/from work 16 ○ Time spent at work And 14 other symbols [46]	

Specify Other	TEXT	time_29_other
E time_29==88	....	

Where is %time_29% usually carried out?	SINGLE-SELECT	actloc_29
E time_29.InList(3,5,6,13,14,16,17,19,20,23,24,27,28,88) && time_29!=time_29	01 ○ At home 02 ○ Away from home 03 ○ Both	

Do you use any sources of lighting while %time_29%?	SINGLE-SELECT	actlight_29

E (time_29.InList(1,2,4,7,8,9,21,22,29) && time_28!=time_29) || (actloc_29.InList(1,3) && time_28!=time_29)

- 01 ○ Yes
- 02 ○ No

What is the main source of lighting you use?	SINGLE-SELECT	actlightd_29

E actlight_29==1

- 01 ○ Firewood
- 02 ○ Candle
- 03 ○ Kerosene lamp
- 04 ○ Diesel/gasoline lamp
- 05 ○ LPG lamp
- 06 ○ Biogas lamp
- 07 ○ Dry-cell battery torch
- 08 ○ Rechargeable battery (incl. rechargeable torch)
- 09 ○ Solar lantern
- 10 ○ Solar home system
- 11 ○ Mini-grid
- 12 ○ National grid (KPLC)
- 13 ○ Mobile phone torch
- 14 ○ Solar torch
- 15 ○ Light source NOT owned by household
- 88 ○ Other

How do you usually spend your time between 19:30 and 20:00?	SINGLE-SELECT	time_30

- 01 ○ Get ready
- 02 ○ Prepare meals/eat meals
- 03 ○ Attend to children
- 04 ○ Get children ready for school
- 05 ○ Care for children, sick, elderly, disabled
- 06 ○ Do laundry
- 07 ○ Clean utensils
- 08 ○ Clean dwelling / homestead
- 09 ○ Maintain / repair dwelling
- 10 ○ Fetch water
- 11 ○ Collect firewood
- 12 ○ Buy household goods (incl. travel time)
- 13 ○ Go to the farm or work on the plot (not for pay)
- 14 ○ Take care/feed animals/cut grass for fodder (not for pay)
- 15 ○ Travel to/from work
- 16 ○ Time spent at work

And 14 other symbols [47]

Specify Other	TEXT	time_30_other

E time_30==88

....

Where is %time_30% usually carried out?	SINGLE-SELECT	actloc_30

E time_30.InList(3,5,6,13,14,16,17,19,20,23,24,27,28,88) && time_29!=time_30

- 01 ○ At home
- 02 ○ Away from home
- 03 ○ Both

Do you use any sources of lighting while %time_30%?	SINGLE-SELECT	actlight_30

E `(time_30.InList(1,2,4,7,8,9,21,22,29) && time_29!=time_30) || (actloc_30.InList(1,3) && time_29!=time_30)`

01 ○ Yes
02 ○ No

What is the main source of lighting you use?

SINGLE-SELECT · actlightd_30

E `actlight_30==1`

01 ○ Firewood
02 ○ Candle
03 ○ Kerosene lamp
04 ○ Diesel/gasoline lamp
05 ○ LPG lamp
06 ○ Biogas lamp
07 ○ Dry-cell battery torch
08 ○ Rechargeable battery (incl. rechargeable torch)
09 ○ Solar lantern
10 ○ Solar home system
11 ○ Mini-grid
12 ○ National grid (KPLC)
13 ○ Mobile phone torch
14 ○ Solar torch
15 ○ Light source NOT owned by household
88 ○ Other

How do you usually spend your time between 20:00 and 20:30?

SINGLE-SELECT · time_31

E `sleeptime_int>=2015 || midnight==true`

01 ○ Get ready
02 ○ Prepare meals/eat meals
03 ○ Attend to children
04 ○ Get children ready for school
05 ○ Care for children, sick, elderly, disabled
06 ○ Do laundry
07 ○ Clean utensils
08 ○ Clean dwelling / homestead
09 ○ Maintain / repair dwelling
10 ○ Fetch water
11 ○ Collect firewood
12 ○ Buy household goods (incl. travel time)
13 ○ Go to the farm or work on the plot (not for pay)
14 ○ Take care/feed animals/cut grass for fodder (not for pay)
15 ○ Travel to/from work
16 ○ Time spent at work

And 14 other symbols [48]

Specify Other

TEXT · time_31_other

E `time_31==88`

....

Where is %time_31% usually carried out?

SINGLE-SELECT · actloc_31

E `time_31.InList(3,5,6,13,14,16,17,19,20,23,24,27,28,88) && time_30!=time_31`

01 ○ At home
02 ○ Away from home
03 ○ Both

Do you use any sources of lighting while %time_31%?	SINGLE-SELECT	actlight_31

E (time_31.InList(1,2,4,7,8,9,21,22,29) && time_30!=time_31) || (actloc_31.InList(1,3) && time_30!=time_31)

- 01 ◯ Yes
- 02 ◯ No

What is the main source of lighting you use?	SINGLE-SELECT	actlightd_31

E actlight_31==1

- 01 ◯ Firewood
- 02 ◯ Candle
- 03 ◯ Kerosene lamp
- 04 ◯ Diesel/gasoline lamp
- 05 ◯ LPG lamp
- 06 ◯ Biogas lamp
- 07 ◯ Dry-cell battery torch
- 08 ◯ Rechargeable battery (incl. rechargeable torch)
- 09 ◯ Solar lantern
- 10 ◯ Solar home system
- 11 ◯ Mini-grid
- 12 ◯ National grid (KPLC)
- 13 ◯ Mobile phone torch
- 14 ◯ Solar torch
- 15 ◯ Light source NOT owned by household
- 88 ◯ Other

How do you usually spend your time between 20:30 and 21:00?	SINGLE-SELECT	time_32

E sleeptime_int>=2045 || midnight==true

- 01 ◯ Get ready
- 02 ◯ Prepare meals/eat meals
- 03 ◯ Attend to children
- 04 ◯ Get children ready for school
- 05 ◯ Care for children, sick, elderly, disabled
- 06 ◯ Do laundry
- 07 ◯ Clean utensils
- 08 ◯ Clean dwelling / homestead
- 09 ◯ Maintain / repair dwelling
- 10 ◯ Fetch water
- 11 ◯ Collect firewood
- 12 ◯ Buy household goods (incl. travel time)
- 13 ◯ Go to the farm or work on the plot (not for pay)
- 14 ◯ Take care/feed animals/cut grass for fodder (not for pay)
- 15 ◯ Travel to/from work
- 16 ◯ Time spent at work

And 14 other symbols [49]

Specify Other	TEXT	time_32_other

E time_32==88

....

Where is %time_32% usually carried out?	SINGLE-SELECT	actloc_32

E time_32.InList(3,5,6,13,14,16,17,19,20,23,24,27,28,88) && time_31!=time_32

- 01 ◯ At home
- 02 ◯ Away from home
- 03 ◯ Both

Do you use any sources of lighting while %time_32%?	SINGLE-SELECT	actlight_32

E `(time_32.InList(1,2,4,7,8,9,21,22,29) && time_31!=time_32) || (actloc_32.InList(1,3) && time_31!=time_32)`

- 01 ○ Yes
- 02 ○ No

What is the main source of lighting you use?	SINGLE-SELECT	actlightd_32

E `actlight_32==1`

- 01 ○ Firewood
- 02 ○ Candle
- 03 ○ Kerosene lamp
- 04 ○ Diesel/gasoline lamp
- 05 ○ LPG lamp
- 06 ○ Biogas lamp
- 07 ○ Dry-cell battery torch
- 08 ○ Rechargeable battery (incl. rechargeable torch)
- 09 ○ Solar lantern
- 10 ○ Solar home system
- 11 ○ Mini-grid
- 12 ○ National grid (KPLC)
- 13 ○ Mobile phone torch
- 14 ○ Solar torch
- 15 ○ Light source NOT owned by household
- 88 ○ Other

How do you usually spend your time between 21:00 and 21:30?	SINGLE-SELECT	time_33

E `sleeptime_int>=2115 || midnight==true`

- 01 ○ Get ready
- 02 ○ Prepare meals/eat meals
- 03 ○ Attend to children
- 04 ○ Get children ready for school
- 05 ○ Care for children, sick, elderly, disabled
- 06 ○ Do laundry
- 07 ○ Clean utensils
- 08 ○ Clean dwelling / homestead
- 09 ○ Maintain / repair dwelling
- 10 ○ Fetch water
- 11 ○ Collect firewood
- 12 ○ Buy household goods (incl. travel time)
- 13 ○ Go to the farm or work on the plot (not for pay)
- 14 ○ Take care/feed animals/cut grass for fodder (not for pay)
- 15 ○ Travel to/from work
- 16 ○ Time spent at work

And 14 other symbols [50]

Specify Other	TEXT	time_33_other

E `time_33==88`

....

Where is %time_33% usually carried out?	SINGLE-SELECT	actloc_33

E `time_33.InList(3,5,6,13,14,16,17,19,20,23,24,27,28,88) && time_32!=time_33`

- 01 ○ At home
- 02 ○ Away from home
- 03 ○ Both

Do you use any sources of lighting while %time_33%? E `(time_33.InList(1,2,4,7,8,9,21,22,29) && time_32!=time_33) || (actloc_33.InList(1,3) && time_32!=time_33)`	SINGLE-SELECT actlight_33 01 ◯ Yes 02 ◯ No

What is the main source of lighting you use? E `actlight_33==1`	SINGLE-SELECT actlightd_33 01 ◯ Firewood 02 ◯ Candle 03 ◯ Kerosene lamp 04 ◯ Diesel/gasoline lamp 05 ◯ LPG lamp 06 ◯ Biogas lamp 07 ◯ Dry-cell battery torch 08 ◯ Rechargeable battery (incl. rechargeable torch) 09 ◯ Solar lantern 10 ◯ Solar home system 11 ◯ Mini-grid 12 ◯ National grid (KPLC) 13 ◯ Mobile phone torch 14 ◯ Solar torch 15 ◯ Light source NOT owned by household 88 ◯ Other

How do you usually spend your time between 21:30 and 22:00? E `sleeptime_int>=2145 || midnight==true`	SINGLE-SELECT time_34 01 ◯ Get ready 02 ◯ Prepare meals/eat meals 03 ◯ Attend to children 04 ◯ Get children ready for school 05 ◯ Care for children, sick, elderly, disabled 06 ◯ Do laundry 07 ◯ Clean utensils 08 ◯ Clean dwelling / homestead 09 ◯ Maintain / repair dwelling 10 ◯ Fetch water 11 ◯ Collect firewood 12 ◯ Buy household goods (incl. travel time) 13 ◯ Go to the farm or work on the plot (not for pay) 14 ◯ Take care/feed animals/cut grass for fodder (not for pay) 15 ◯ Travel to/from work 16 ◯ Time spent at work And 14 other symbols [51]

Specify Other E `time_34==88`	TEXT time_34_other ....

Where is %time_34% usually carried out? E `time_34.InList(3,5,6,13,14,16,17,19,20,23,24,27,28,88) && time_33!=time_34`	SINGLE-SELECT actloc_34 01 ◯ At home 02 ◯ Away from home 03 ◯ Both

Do you use any sources of lighting while %time_34%?	SINGLE-SELECT	actlight_34

E `(time_34.InList(1,2,4,7,8,9,21,22,29) && time_33!=time_34) || (actloc_34.InList(1,3) && time_33!=time_34)`

01 ◯ Yes
02 ◯ No

What is the main source of lighting you use?	SINGLE-SELECT	actlightd_34

E `actlight_34==1`

01 ◯ Firewood
02 ◯ Candle
03 ◯ Kerosene lamp
04 ◯ Diesel/gasoline lamp
05 ◯ LPG lamp
06 ◯ Biogas lamp
07 ◯ Dry-cell battery torch
08 ◯ Rechargeable battery (incl. rechargeable torch)
09 ◯ Solar lantern
10 ◯ Solar home system
11 ◯ Mini-grid
12 ◯ National grid (KPLC)
13 ◯ Mobile phone torch
14 ◯ Solar torch
15 ◯ Light source NOT owned by household
88 ◯ Other

How do you usually spend your time between 22:00 and 22:30?	SINGLE-SELECT	time_35

E `sleeptime_int>=2215 || midnight==true`

01 ◯ Get ready
02 ◯ Prepare meals/eat meals
03 ◯ Attend to children
04 ◯ Get children ready for school
05 ◯ Care for children, sick, elderly, disabled
06 ◯ Do laundry
07 ◯ Clean utensils
08 ◯ Clean dwelling / homestead
09 ◯ Maintain / repair dwelling
10 ◯ Fetch water
11 ◯ Collect firewood
12 ◯ Buy household goods (incl. travel time)
13 ◯ Go to the farm or work on the plot (not for pay)
14 ◯ Take care/feed animals/cut grass for fodder (not for pay)
15 ◯ Travel to/from work
16 ◯ Time spent at work

And 14 other symbols [52]

Specify Other	TEXT	time_35_other

E `time_35==88`

....

Where is %time_35% usually carried out?	SINGLE-SELECT	actloc_35

E `time_35.InList(3,5,6,13,14,16,17,19,20,23,24,27,28,88) && time_34!=time_35`

01 ◯ At home
02 ◯ Away from home
03 ◯ Both

Do you use any sources of lighting while %time_35%?	SINGLE-SELECT	actlight_35

E `(time_35.InList(1,2,4,7,8,9,21,22,29) && time_34!=time_35) || (actloc_35.InList(1,3) && time_34!=time_35)`

01 ○ Yes
02 ○ No

What is the main source of lighting you use?

E `actlight_35==1`

SINGLE-SELECT   actlightd_35

01 ○ Firewood
02 ○ Candle
03 ○ Kerosene lamp
04 ○ Diesel/gasoline lamp
05 ○ LPG lamp
06 ○ Biogas lamp
07 ○ Dry-cell battery torch
08 ○ Rechargeable battery (incl. rechargeable torch)
09 ○ Solar lantern
10 ○ Solar home system
11 ○ Mini-grid
12 ○ National grid (KPLC)
13 ○ Mobile phone torch
14 ○ Solar torch
15 ○ Light source NOT owned by household
88 ○ Other

How do you usually spend your time between 22:30 and 23:00?

E `sleeptime_int>=2245 || midnight ==true`

SINGLE-SELECT   time_36

01 ○ Get ready
02 ○ Prepare meals/eat meals
03 ○ Attend to children
04 ○ Get children ready for school
05 ○ Care for children, sick, elderly, disabled
06 ○ Do laundry
07 ○ Clean utensils
08 ○ Clean dwelling / homestead
09 ○ Maintain / repair dwelling
10 ○ Fetch water
11 ○ Collect firewood
12 ○ Buy household goods (incl. travel time)
13 ○ Go to the farm or work on the plot (not for pay)
14 ○ Take care/feed animals/cut grass for fodder (not for pay)
15 ○ Travel to/from work
16 ○ Time spent at work

And 14 other symbols [53]

Specify Other

E `time_36==88`

TEXT   time_36_other

....

Where is %time_36% usually carried out?

E `time_36.InList(3,5,6,13,14,16,17,19,20,23,24,27,28,88) && time_35!=time_36`

SINGLE-SELECT   actloc_36

01 ○ At home
02 ○ Away from home
03 ○ Both

Do you use any sources of lighting while %time_36%?	SINGLE-SELECT	actlight_36
E `(time_36.InList(1,2,4,7,8,9,21,22,29) && time_35!=time_36) || (actloc_36.InList(1,3) && time_35!=time_36)`	01 ◯ Yes 02 ◯ No	

What is the main source of lighting you use?	SINGLE-SELECT	actlightd_36
E `actlight_36==1`	01 ◯ Firewood 02 ◯ Candle 03 ◯ Kerosene lamp 04 ◯ Diesel/gasoline lamp 05 ◯ LPG lamp 06 ◯ Biogas lamp 07 ◯ Dry-cell battery torch 08 ◯ Rechargeable battery (incl. rechargeable torch) 09 ◯ Solar lantern 10 ◯ Solar home system 11 ◯ Mini-grid 12 ◯ National grid (KPLC) 13 ◯ Mobile phone torch 14 ◯ Solar torch 15 ◯ Light source NOT owned by household 88 ◯ Other	

How do you usually spend your time between 23:00 and 23:30?	SINGLE-SELECT	time_37
E `sleeptime_int>=2315 || midnight==true`	01 ◯ Get ready 02 ◯ Prepare meals/eat meals 03 ◯ Attend to children 04 ◯ Get children ready for school 05 ◯ Care for children, sick, elderly, disabled 06 ◯ Do laundry 07 ◯ Clean utensils 08 ◯ Clean dwelling / homestead 09 ◯ Maintain / repair dwelling 10 ◯ Fetch water 11 ◯ Collect firewood 12 ◯ Buy household goods (incl. travel time) 13 ◯ Go to the farm or work on the plot (not for pay) 14 ◯ Take care/feed animals/cut grass for fodder (not for pay) 15 ◯ Travel to/from work 16 ◯ Time spent at work And 14 other symbols [54]	

Specify Other	TEXT	time_37_other
E `time_37==88`	....	

Where is %time_37% usually carried out?	SINGLE-SELECT	actloc_37
E `time_37.InList(3,5,6,13,14,16,17,19,20,23,24,27,28,88) && time_36!=time_37`	01 ◯ At home 02 ◯ Away from home 03 ◯ Both	

Do you use any sources of lighting while %time_37%? E (time_37.InList(1,2,4,7,8,9,21,22,29) && time_36!=time_37) || (actloc_37.InList(1,3) && time_36!=time_37)	SINGLE-SELECT actlight_37 01 ○ Yes 02 ○ No
What is the main source of lighting you use? E actlight_37==1	SINGLE-SELECT actlightd_37 01 ○ Firewood 02 ○ Candle 03 ○ Kerosene lamp 04 ○ Diesel/gasoline lamp 05 ○ LPG lamp 06 ○ Biogas lamp 07 ○ Dry-cell battery torch 08 ○ Rechargeable battery (incl. rechargeable torch) 09 ○ Solar lantern 10 ○ Solar home system 11 ○ Mini-grid 12 ○ National grid (KPLC) 13 ○ Mobile phone torch 14 ○ Solar torch 15 ○ Light source NOT owned by household 88 ○ Other
How do you usually spend your time between 23:30 and 00:00 (midnight)? E sleeptime_int>=2345 || midnight==true	SINGLE-SELECT time_38 01 ○ Get ready 02 ○ Prepare meals/eat meals 03 ○ Attend to children 04 ○ Get children ready for school 05 ○ Care for children, sick, elderly, disabled 06 ○ Do laundry 07 ○ Clean utensils 08 ○ Clean dwelling / homestead 09 ○ Maintain / repair dwelling 10 ○ Fetch water 11 ○ Collect firewood 12 ○ Buy household goods (incl. travel time) 13 ○ Go to the farm or work on the plot (not for pay) 14 ○ Take care/feed animals/cut grass for fodder (not for pay) 15 ○ Travel to/from work 16 ○ Time spent at work And 14 other symbols [55]
Specify Other E time_38==88	TEXT time_38_other ....
Where is %time_38% usually carried out? E time_38.InList(3,5,6,13,14,16,17,19,20,23,24,27,28,88) && time_37!=time_38	SINGLE-SELECT actloc_38 01 ○ At home 02 ○ Away from home 03 ○ Both

Do you use any sources of lighting while %time_38%?	SINGLE-SELECT	actlight_38

E `(time_38.InList(1,2,4,7,8,9,21,22,29) && time_38!=time_37) || (actloc_38.InList(1,3) && time_37!=time_38)`

01 ◯ Yes
02 ◯ No

What is the main source of lighting you use?	SINGLE-SELECT	actlightd_38

E `actlight_38==1`

01 ◯ Firewood
02 ◯ Candle
03 ◯ Kerosene lamp
04 ◯ Diesel/gasoline lamp
05 ◯ LPG lamp
06 ◯ Biogas lamp
07 ◯ Dry-cell battery torch
08 ◯ Rechargeable battery (incl. rechargeable torch)
09 ◯ Solar lantern
10 ◯ Solar home system
11 ◯ Mini-grid
12 ◯ National grid (KPLC)
13 ◯ Mobile phone torch
14 ◯ Solar torch
15 ◯ Light source NOT owned by household
88 ◯ Other

How do you usually spend your time between 00:00 (midnight) and 00:30?	SINGLE-SELECT	time_39

E `midnight==true && sleeptime_int>=0015`

01 ◯ Get ready
02 ◯ Prepare meals/eat meals
03 ◯ Attend to children
04 ◯ Get children ready for school
05 ◯ Care for children, sick, elderly, disabled
06 ◯ Do laundry
07 ◯ Clean utensils
08 ◯ Clean dwelling / homestead
09 ◯ Maintain / repair dwelling
10 ◯ Fetch water
11 ◯ Collect firewood
12 ◯ Buy household goods (incl. travel time)
13 ◯ Go to the farm or work on the plot (not for pay)
14 ◯ Take care/feed animals/cut grass for fodder (not for pay)
15 ◯ Travel to/from work
16 ◯ Time spent at work

And 14 other symbols [56]

Specify Other	TEXT	time_39_other

E `time_39==88`

....

Where is %time_39% usually carried out?	SINGLE-SELECT	actloc_39

E `time_39.InList(3,5,6,13,14,16,17,19,20,23,24,27,28,88) && time_38!=time_39`

01 ◯ At home
02 ◯ Away from home
03 ◯ Both

Do you use any sources of lighting while %time_39%?	SINGLE-SELECT	actlight_39

E `(time_39.InList(1,2,4,7,8,9,21,22,29) && time_38!=time_39) || (actloc_39.InList(1,3) && time_38!=time_39)`

01 ◯ Yes
02 ◯ No

What is the main source of lighting you use?

E `actlight_39==1`

SINGLE-SELECT   actlightd_39

01 ◯ Firewood
02 ◯ Candle
03 ◯ Kerosene lamp
04 ◯ Diesel/gasoline lamp
05 ◯ LPG lamp
06 ◯ Biogas lamp
07 ◯ Dry-cell battery torch
08 ◯ Rechargeable battery (incl. rechargeable torch)
09 ◯ Solar lantern
10 ◯ Solar home system
11 ◯ Mini-grid
12 ◯ National grid (KPLC)
13 ◯ Mobile phone torch
14 ◯ Solar torch
15 ◯ Light source NOT owned by household
88 ◯ Other

How do you usually spend your time between 00:30 and 01:00?

E `midnight==true && sleeptime_int>=0045`

SINGLE-SELECT   time_40

01 ◯ Get ready
02 ◯ Prepare meals/eat meals
03 ◯ Attend to children
04 ◯ Get children ready for school
05 ◯ Care for children, sick, elderly, disabled
06 ◯ Do laundry
07 ◯ Clean utensils
08 ◯ Clean dwelling / homestead
09 ◯ Maintain / repair dwelling
10 ◯ Fetch water
11 ◯ Collect firewood
12 ◯ Buy household goods (incl. travel time)
13 ◯ Go to the farm or work on the plot (not for pay)
14 ◯ Take care/feed animals/cut grass for fodder (not for pay)
15 ◯ Travel to/from work
16 ◯ Time spent at work

And 14 other symbols [57]

Specify Other

E `time_40==88`

TEXT   time_40_other

··

Where is %time_40% usually carried out?

E `time_40.InList(3,5,6,13,14,16,17,19,20,23,24,27,28,88) && time_39!=time_40`

SINGLE-SELECT   actloc_40

01 ◯ At home
02 ◯ Away from home
03 ◯ Both

Do you use any sources of lighting while %time_40%?	SINGLE-SELECT	actlight_40

E `(time_40.InList(1,2,4,7,8,9,21,22,29) && time_40!=time_39) || (actloc_40.InList(1,3) && time_40!=time_39)`

01 ◯ Yes
02 ◯ No

What is the main source of lighting you use?

SINGLE-SELECT   actlightd_40

E `actlight_40==1`

01 ◯ Firewood
02 ◯ Candle
03 ◯ Kerosene lamp
04 ◯ Diesel/gasoline lamp
05 ◯ LPG lamp
06 ◯ Biogas lamp
07 ◯ Dry-cell battery torch
08 ◯ Rechargeable battery (incl. rechargeable torch)
09 ◯ Solar lantern
10 ◯ Solar home system
11 ◯ Mini-grid
12 ◯ National grid (KPLC)
13 ◯ Mobile phone torch
14 ◯ Solar torch
15 ◯ Light source NOT owned by household
88 ◯ Other

How do you usually spend your time between 01:00 and 01:30?

SINGLE-SELECT   time_41

E `midnight==true && sleeptime_int>=0115`

01 ◯ Get ready
02 ◯ Prepare meals/eat meals
03 ◯ Attend to children
04 ◯ Get children ready for school
05 ◯ Care for children, sick, elderly, disabled
06 ◯ Do laundry
07 ◯ Clean utensils
08 ◯ Clean dwelling / homestead
09 ◯ Maintain / repair dwelling
10 ◯ Fetch water
11 ◯ Collect firewood
12 ◯ Buy household goods (incl. travel time)
13 ◯ Go to the farm or work on the plot (not for pay)
14 ◯ Take care/feed animals/cut grass for fodder (not for pay)
15 ◯ Travel to/from work
16 ◯ Time spent at work

And 14 other symbols [58]

Specify Other

TEXT   time_41_other

E `time_41==88`

....

Where is %time_41% usually carried out?

SINGLE-SELECT   actloc_41

E `time_41.InList(3,5,6,13,14,16,17,19,20,23,24,27,28,88) && time_40!=time_41`

01 ◯ At home
02 ◯ Away from home
03 ◯ Both

Do you use any sources of lighting while %time_41%?	SINGLE-SELECT	actlight_41

E `(time_41.InList(1,2,4,7,8,9,21,22,29) && time_40!=time_4 1) || (actloc_41.InList(1,3) && time_40!=time_41)`

01 ◯ Yes
02 ◯ No

What is the main source of lighting you use?	SINGLE-SELECT	actlightd_41

E `actlight_41==1`

01 ◯ Firewood
02 ◯ Candle
03 ◯ Kerosene lamp
04 ◯ Diesel/gasoline lamp
05 ◯ LPG lamp
06 ◯ Biogas lamp
07 ◯ Dry-cell battery torch
08 ◯ Rechargeable battery (incl. rechargeable torch)
09 ◯ Solar lantern
10 ◯ Solar home system
11 ◯ Mini-grid
12 ◯ National grid (KPLC)
13 ◯ Mobile phone torch
14 ◯ Solar torch
15 ◯ Light source NOT owned by household
88 ◯ Other

How do you usually spend your time between 01:30 and 02:00?	SINGLE-SELECT	time_42

E `midnight==true && sleeptime_int>=0145`

01 ◯ Get ready
02 ◯ Prepare meals/eat meals
03 ◯ Attend to children
04 ◯ Get children ready for school
05 ◯ Care for children, sick, elderly, disabled
06 ◯ Do laundry
07 ◯ Clean utensils
08 ◯ Clean dwelling / homestead
09 ◯ Maintain / repair dwelling
10 ◯ Fetch water
11 ◯ Collect firewood
12 ◯ Buy household goods (incl. travel time)
13 ◯ Go to the farm or work on the plot (not for pay)
14 ◯ Take care/feed animals/cut grass for fodder (not for pay)
15 ◯ Travel to/from work
16 ◯ Time spent at work

And 14 other symbols [59]

Specify Other	TEXT	time_42_other

E `time_42==88`

....

Where is %time_42% usually carried out?	SINGLE-SELECT	actloc_42

E `time_42.InList(3,5,6,13,14,16,17,19,20,23,24,27,28,88) && time_41!=time_42`

01 ◯ At home
02 ◯ Away from home
03 ◯ Both

Do you use any sources of lighting while %time_42%?	SINGLE-SELECT	actlight_42

E `(time_42.InList(1,2,4,7,8,9,21,22,29) && time_41!=time_42) || (actloc_42.InList(1,3) && time_41!=time_42)`

01 ◯ Yes
02 ◯ No

What is the main source of lighting you use?	SINGLE-SELECT	actlightd_42

E `actlight_42==1`

01 ◯ Firewood
02 ◯ Candle
03 ◯ Kerosene lamp
04 ◯ Diesel/gasoline lamp
05 ◯ LPG lamp
06 ◯ Biogas lamp
07 ◯ Dry-cell battery torch
08 ◯ Rechargeable battery (incl. rechargeable torch)
09 ◯ Solar lantern
10 ◯ Solar home system
11 ◯ Mini-grid
12 ◯ National grid (KPLC)
13 ◯ Mobile phone torch
14 ◯ Solar torch
15 ◯ Light source NOT owned by household
88 ◯ Other

How do you usually spend your time between 02:00 and 02:30?	SINGLE-SELECT	time_43

E `midnight==true && sleeptime_int>=0215`

01 ◯ Get ready
02 ◯ Prepare meals/eat meals
03 ◯ Attend to children
04 ◯ Get children ready for school
05 ◯ Care for children, sick, elderly, disabled
06 ◯ Do laundry
07 ◯ Clean utensils
08 ◯ Clean dwelling / homestead
09 ◯ Maintain / repair dwelling
10 ◯ Fetch water
11 ◯ Collect firewood
12 ◯ Buy household goods (incl. travel time)
13 ◯ Go to the farm or work on the plot (not for pay)
14 ◯ Take care/feed animals/cut grass for fodder (not for pay)
15 ◯ Travel to/from work
16 ◯ Time spent at work

And 14 other symbols [60]

Specify Other	TEXT	time_43_other

E `time_43==88`

....

Where is %time_43% usually carried out?	SINGLE-SELECT	actloc_43

E `time_43.InList(3,5,6,13,14,16,17,19,20,23,24,27,28,88) && time_42!=time_43`

01 ◯ At home
02 ◯ Away from home
03 ◯ Both

Do you use any sources of lighting while %time_43%?	SINGLE-SELECT	actlight_43
E (time_43.InList(1,2,4,7,8,9,21,22,29) && time_42!=time_43) || (actloc_43.InList(1,3) && time_42!=time_43)	01 ◯ Yes 02 ◯ No	

What is the main source of lighting you use?	SINGLE-SELECT	actlightd_43
E actlight_43==1	01 ◯ Firewood 02 ◯ Candle 03 ◯ Kerosene lamp 04 ◯ Diesel/gasoline lamp 05 ◯ LPG lamp 06 ◯ Biogas lamp 07 ◯ Dry-cell battery torch 08 ◯ Rechargeable battery (incl. rechargeable torch) 09 ◯ Solar lantern 10 ◯ Solar home system 11 ◯ Mini-grid 12 ◯ National grid (KPLC) 13 ◯ Mobile phone torch 14 ◯ Solar torch 15 ◯ Light source NOT owned by household 88 ◯ Other	

How do you usually spend your time between 02:30 and 03:00?	SINGLE-SELECT	time_44
E midnight==true && sleeptime_int>=0245	01 ◯ Get ready 02 ◯ Prepare meals/eat meals 03 ◯ Attend to children 04 ◯ Get children ready for school 05 ◯ Care for children, sick, elderly, disabled 06 ◯ Do laundry 07 ◯ Clean utensils 08 ◯ Clean dwelling / homestead 09 ◯ Maintain / repair dwelling 10 ◯ Fetch water 11 ◯ Collect firewood 12 ◯ Buy household goods (incl. travel time) 13 ◯ Go to the farm or work on the plot (not for pay) 14 ◯ Take care/feed animals/cut grass for fodder (not for pay) 15 ◯ Travel to/from work 16 ◯ Time spent at work And 14 other symbols [61]	

Specify Other	TEXT	time_44_other
E time_44==88	....	

Where is %time_44% usually carried out?	SINGLE-SELECT	actloc_44
E time_44.InList(3,5,6,13,14,16,17,19,20,23,24,27,28,88) && time_43!=time_44	01 ◯ At home 02 ◯ Away from home 03 ◯ Both	

Do you use any sources of lighting while %time_44%? E (time_44.InList(1,2,4,7,8,9,21,22,29) && time_44!=time_43) || (actloc_44.InList(1,3) && time_44!=time_43)	SINGLE-SELECT actlight_44 01 ◯ Yes 02 ◯ No
What is the main source of lighting you use? E actlight_44==1	SINGLE-SELECT actlightd_44 01 ◯ Firewood 02 ◯ Candle 03 ◯ Kerosene lamp 04 ◯ Diesel/gasoline lamp 05 ◯ LPG lamp 06 ◯ Biogas lamp 07 ◯ Dry-cell battery torch 08 ◯ Rechargeable battery (incl. rechargeable torch) 09 ◯ Solar lantern 10 ◯ Solar home system 11 ◯ Mini-grid 12 ◯ National grid (KPLC) 13 ◯ Mobile phone torch 14 ◯ Solar torch 15 ◯ Light source NOT owned by household 88 ◯ Other

CHILD TIME USE

E `consent==1 && listcomp==1 && childrespcode!=100`

STATIC TEXT

Now I would like to ask some questions about how %childrespname% uses their time on a usual school day (i.e. Monday to Friday)

Who is the person who knows the most about %childrespname%'s habits in the household? F `(memagey>=15 | memagey==-99)`	SINGLE-SELECT: LINKED respknow
VARIABLE `(memroster[respknow[0]].@rowcode)`	LONG chrespknow
Is %respknow% available now?	SINGLE-SELECT respknowav 01 ◯ Yes 02 ◯ No
Is there anyone else available who is knowledgeable about %childrespname%'s habits in the household? E `respknowav==2`	SINGLE-SELECT respknowoth 01 ◯ Yes 02 ◯ No
Who is this person? F `(memagey>=15 | memagey==-99) && @rowcode!=chrespknow` E `respknowoth==1`	SINGLE-SELECT: LINKED respknow2
Is %respknow2% available now? E `respknowoth==1`	SINGLE-SELECT respknowav2 01 ◯ Yes 02 ◯ No

STATIC TEXT

E `(respknowav==2 && respknowav2==2) || respknowoth==2`

Ok, thank you for your time. We will have to come back at another time when someone is available to finish the interview.

INTERVIEWER: Is the selected respondent for this module the same as either the main respondent to the survey or the respondent to the woman time use module? E `respknowav==1 || respknowav2==1`	SINGLE-SELECT resp_same2 01 ◯ Same respondent to the main survey or woman time use module 02 ◯ Different respondent

STATIC TEXT

E `resp_same2==2`

Before I ask for your premission to conduct this research, I would like to ask you a few questions about whether you or anyone in your household are currently experiencing symptoms associated with COVID-19, or if you have been in contact with someone who is. Please note that the ONLY reason we are collecting this information is to keep everyone in the community safe. After my visit with you today, I will be visiting other households in the community to administer the same survey. Therefore, we want to ensure to follow all safety precautions and all government rules in order to protect everyone. The answers you will give us will not be shared with anyone outside of the research team and I want to assure you that we will not share it with anyone else in the community nor will we share it with health providers or government representatives. The information you give will remain confidential.

Within the last 14 days, have you had close contact with someone outside the household who is or was sick with COVID-19/coronavirus? Note that close contact is defined as being within 6 feet of someone for more than 10 consecutive minutes. E `resp_same2==2`	SINGLE-SELECT 01 ◯ Yes 02 ◯ No	cv_contactcvcase3
Within the last 14 days, have you had a high temperature or the sense of having a fever? E `cv_contactcvcase3==2`	SINGLE-SELECT 01 ◯ Yes 00 ◯ No	cv_fever3
Within the last 14 days, have you had a new, continuous cough? E `cv_contactcvcase3==2`	SINGLE-SELECT 01 ◯ Yes 00 ◯ No	cv_cough3
Within the last 14 days, have you had a loss of, or change to, your sense of smell or taste? E `cv_contactcvcase3==2`	SINGLE-SELECT 01 ◯ Yes 00 ◯ No	cv_sense3
Within the last 14 days, have you had shortness of breath or difficulty breathing? E `cv_contactcvcase3==2`	SINGLE-SELECT 01 ◯ Yes 00 ◯ No	cv_shortness3
VARIABLE `cv_fever3+cv_cough3+cv_sense3+cv_shortness3`	LONG	symp_sum3

STATIC TEXT

E `cv_contactcvcase3==1 || symp_sum3>1`

The answers you have provided indicate that you may be at increased risk for COVID-19. If you are not feeling well, we hope that you feel better soon. Unfortunately, based on this, we would have to postpone our interview today and potentially come back at another time after 14 days. This is to ensure safety for everyone. We would also advise that you avoid contact with others and monitor the health of everyone in your household. Should anyone get ill, we would recommend that you seek medical care as needed. You can call at 719 or text at *719# if you feel unwell.

STATIC TEXT

E `cv_contactcvcase3==1 || symp_sum3>1`

INTERVIEWER: you can now end the interview, but please <u>CONFIRM THE RESPONDENTS' PHONE NUMBER FIRST</u> (go to the Outcome section) and then leave the household immediately. As soon as you leave: 1) sanitise your hands and make sure not to touch your face. 2) Then complete the Outcome section. 3) And then inform your supervisor immediately of the outcome of this interview.

Thank you for answering my questions about COVID-19/coronavirus symptoms. I would now like to ask for your permission to conduct this interview. <u>Do I have your permission to conduct this research</u>? E `cv_contactcvcase3==2 && symp_sum3<2` V1 `self==1` M1 The respondent hasn't agreed to participate. SPEAK TO YOUR SUPERVISOR	SINGLE-SELECT 01 ◯ Yes 02 ◯ No	consent3

CHILD TIME USE
TIME USE

E `resp_same2==1 || consent3==1`

STATIC TEXT

I would like to start by asking what %childrespname% does on a usual week day (i.e. Monday to Friday) including when %childrespname% goes to school, starting from when %childrespname% wakes up to when %childrespname% goes to

sleep for the night, indicating the amount of time spent on each activity.

I would like to hear about all %childrespname%'s acitivities throughout the day. All the activities that %childrespname% takes part in interest me. Activities include things like time spent studying, eating, domestic chores, working, time spent at school or with their friends etc. Even if %childrespname% doesn't devote too much time to an activity, I am interested in hearing about this activity.

Let's begin by thinking about the start of %childrespname%'s day.

STATIC TEXT

Please think about a usual week day (i.e. Monday to Friday) when schools were open during January to March 2021 and children were going to school.

What time does %childrespname% usually wake up?	TEXT	ch_wkptime
I Please record the time using 24-hour notation		
V1 `IsMilitaryTime(ch_wkptime_str)`		
M1 Please enter a valid time		
W2 `ch_wkptime_int<1100`		
M2 Verify that you have entered the wake up time correctly. 11am is late to wake up.		

What time does %childrespname% usually go to sleep?	TEXT	ch_sleeptime
I Please record the time using 24-hour notation		
V1 `IsMilitaryTime(ch_sleeptime_str)`		
M1 Please enter valid time		

VARIABLE `Convert.ToInt32(Concat(ch_wkptime.Left(2), ch_wkptime.Right(2)))`	LONG	ch_wkptime_int

VARIABLE `Concat(ch_wkptime.Left(2), ch_wkptime.Right(2))`	STRING	ch_wkptime_str

VARIABLE `Convert.ToInt32(Concat(ch_sleeptime.Left(2), ch_sleeptime.Right(2)))`	LONG	ch_sleeptime_int

VARIABLE `Concat(ch_sleeptime.Left(2), ch_sleeptime.Right(2))`	STRING	ch_sleeptime_str

VARIABLE `ch_sleeptime_int>=0000 && ch_sleeptime_int<0400`	BOOLEAN	ch_midnight

How does %childrespname% usually spend their time between 03:00 and 03:30?	SINGLE-SELECT	ch_time_45

E ch_wkptime_int<=0315

- 01 ○ Get ready
- 02 ○ Prepare/eat a meal
- 03 ○ Go to school (including travel to school)
- 04 ○ Go to duksi/madrasa/other religious education
- 05 ○ Do homework / study (at home)
- 06 ○ Do homework / study (in neighbourhood)
- 07 ○ Do household chores (incl. cleaning dwelling/compound)
- 08 ○ Wash clothes
- 09 ○ Fetch water
- 10 ○ Collect firewood
- 11 ○ Buy household goods
- 12 ○ Go to the farm / work on a plot
- 13 ○ Take care / feed animals
- 14 ○ Caring for siblings, sick, elderly, disabled
- 15 ○ Go to/from work
- 16 ○ Help with the household business

And 12 other symbols [62]

Specify Other

E ch_time_45==88

TEXT   ch_time_45_other

┈┈┈┈┈┈┈┈┈┈┈┈┈┈┈┈┈┈┈┈┈┈┈┈┈┈┈┈┈┈

Does %childrespname% use any sources of lighting while %ch_time_45%?

E ch_time_45.InList(1,2,5,7,8,14,16,20,21,22,23,24,26,88)

SINGLE-SELECT   ch_actlight_45

- 01 ○ Yes
- 02 ○ No

What is the main source of lighting used?

E ch_actlight_45==1

SINGLE-SELECT   ch_actlightd_45

- 01 ○ Firewood
- 02 ○ Candle
- 03 ○ Kerosene lamp
- 04 ○ Diesel/gasoline lamp
- 05 ○ LPG lamp
- 06 ○ Biogas lamp
- 07 ○ Dry-cell battery torch
- 08 ○ Rechargeable battery (incl. rechargeable torch)
- 09 ○ Solar lantern
- 10 ○ Solar home system
- 11 ○ Mini-grid
- 12 ○ National grid (KPLC)
- 13 ○ Mobile phone torch
- 14 ○ Solar torch
- 15 ○ Light source NOT owned by household
- 88 ○ Other

How does %childrespname% usually spend their time between 03:30 and 04:00?	SINGLE-SELECT	ch_time_46
E ch_wkptime_int<=0345	01 ○ Get ready	
	02 ○ Prepare/eat a meal	
	03 ○ Go to school (including travel to school)	
	04 ○ Go to duksi/madrasa/other religious education	
	05 ○ Do homework / study (at home)	
	06 ○ Do homework / study (in neighbourhood)	
	07 ○ Do household chores (incl. cleaning dwelling/compound)	
	08 ○ Wash clothes	
	09 ○ Fetch water	
	10 ○ Collect firewood	
	11 ○ Buy household goods	
	12 ○ Go to the farm / work on a plot	
	13 ○ Take care / feed animals	
	14 ○ Caring for siblings, sick, elderly, disabled	
	15 ○ Go to/from work	
	16 ○ Help with the household business	
	And 12 other symbols [63]	

Specify Other	TEXT	ch_time_46_other
E ch_time_46==88	....	

Does %childrespname% use any sources of lighting while %ch_time_46%?	SINGLE-SELECT	ch_actlight_46
E ch_time_46.InList(1,2,5,7,8,14,16,20,21,22,23,24,26,88) && ch_time_46!=ch_time_45	01 ○ Yes	
	02 ○ No	

What is the main source of lighting used?	SINGLE-SELECT	ch_actlightd_46
E ch_actlight_46==1	01 ○ Firewood	
	02 ○ Candle	
	03 ○ Kerosene lamp	
	04 ○ Diesel/gasoline lamp	
	05 ○ LPG lamp	
	06 ○ Biogas lamp	
	07 ○ Dry-cell battery torch	
	08 ○ Rechargeable battery (incl. rechargeable torch)	
	09 ○ Solar lantern	
	10 ○ Solar home system	
	11 ○ Mini-grid	
	12 ○ National grid (KPLC)	
	13 ○ Mobile phone torch	
	14 ○ Solar torch	
	15 ○ Light source NOT owned by household	
	88 ○ Other	

How does %childrespname% usually spend their time between 04:00 and 04:30? E `ch_wkptime_int<=0415`	SINGLE-SELECT · ch_time_47 01 ○ Get ready 02 ○ Prepare/eat a meal 03 ○ Go to school (including travel to school) 04 ○ Go to duksi/madrasa/other religious education 05 ○ Do homework / study (at home) 06 ○ Do homework / study (in neighbourhood) 07 ○ Do household chores (incl. cleaning dwelling/compound) 08 ○ Wash clothes 09 ○ Fetch water 10 ○ Collect firewood 11 ○ Buy household goods 12 ○ Go to the farm / work on a plot 13 ○ Take care / feed animals 14 ○ Caring for siblings, sick, elderly, disabled 15 ○ Go to/from work 16 ○ Help with the household business And 12 other symbols [64]
Specify Other E `ch_time_47==88`	TEXT · ch_time_47_other ....
Does %childrespname% use any sources of lighting while %ch_time_47%? E `ch_time_47.InList(1,2,5,7,8,14,16,20,21,22,23,24,26,88)` `&& ch_time_46!=ch_time_47`	SINGLE-SELECT · ch_actlight_47 01 ○ Yes 02 ○ No
What is the main source of lighting used? E `ch_actlight_47==1`	SINGLE-SELECT · ch_actlightd_47 01 ○ Firewood 02 ○ Candle 03 ○ Kerosene lamp 04 ○ Diesel/gasoline lamp 05 ○ LPG lamp 06 ○ Biogas lamp 07 ○ Dry-cell battery torch 08 ○ Rechargeable battery (incl. rechargeable torch) 09 ○ Solar lantern 10 ○ Solar home system 11 ○ Mini-grid 12 ○ National grid (KPLC) 13 ○ Mobile phone torch 14 ○ Solar torch 15 ○ Light source NOT owned by household 88 ○ Other

How does %childrespname% usually spend their time between 04:30 and 05:00?	SINGLE-SELECT	ch_time_48
E ch_wkptime_int<=0445	01 O Get ready	
	02 O Prepare/eat a meal	
	03 O Go to school (including travel to school)	
	04 O Go to duksi/madrasa/other religious education	
	05 O Do homework / study (at home)	
	06 O Do homework / study (in neighbourhood)	
	07 O Do household chores (incl. cleaning dwelling/compound)	
	08 O Wash clothes	
	09 O Fetch water	
	10 O Collect firewood	
	11 O Buy household goods	
	12 O Go to the farm / work on a plot	
	13 O Take care / feed animals	
	14 O Caring for siblings, sick, elderly, disabled	
	15 O Go to/from work	
	16 O Help with the household business	
	And 12 other symbols [65]	

Specify Other	TEXT	ch_time_48_other
E ch_time_48==88	....	

Does %childrespname% use any sources of lighting while %ch_time_48%?	SINGLE-SELECT	ch_actlight_48
E ch_time_48.InList(1,2,5,7,8,14,16,20,21,22,23,24,26,88) && ch_time_47!=ch_time_48	01 O Yes	
	02 O No	

What is the main source of lighting used?	SINGLE-SELECT	ch_actlightd_48
E ch_actlight_48==1	01 O Firewood	
	02 O Candle	
	03 O Kerosene lamp	
	04 O Diesel/gasoline lamp	
	05 O LPG lamp	
	06 O Biogas lamp	
	07 O Dry-cell battery torch	
	08 O Rechargeable battery (incl. rechargeable torch)	
	09 O Solar lantern	
	10 O Solar home system	
	11 O Mini-grid	
	12 O National grid (KPLC)	
	13 O Mobile phone torch	
	14 O Solar torch	
	15 O Light source NOT owned by household	
	88 O Other	

How does %childrespname% usually spend their time between 05:00 and 05:30? E ch_wkptime_int<=0515	SINGLE-SELECT ch_time_1 01 ◯ Get ready 02 ◯ Prepare/eat a meal 03 ◯ Go to school (including travel to school) 04 ◯ Go to duksi/madrasa/other religious education 05 ◯ Do homework / study (at home) 06 ◯ Do homework / study (in neighbourhood) 07 ◯ Do household chores (incl. cleaning dwelling/compound) 08 ◯ Wash clothes 09 ◯ Fetch water 10 ◯ Collect firewood 11 ◯ Buy household goods 12 ◯ Go to the farm / work on a plot 13 ◯ Take care / feed animals 14 ◯ Caring for siblings, sick, elderly, disabled 15 ◯ Go to/from work 16 ◯ Help with the household business And 12 other symbols [66]
Specify Other E ch_time_1==88	TEXT ch_time_1_other ....
Does %childrespname% use any sources of lighting while %ch_time_1%? E ch_time_1.InList(1,2,5,7,8,14,16,20,21,22,23,24,26,88) & & ch_time_1!=ch_time_48	SINGLE-SELECT ch_actlight_1 01 ◯ Yes 02 ◯ No
What is the main source of lighting used? E ch_actlight_1==1	SINGLE-SELECT ch_actlightd_1 01 ◯ Firewood 02 ◯ Candle 03 ◯ Kerosene lamp 04 ◯ Diesel/gasoline lamp 05 ◯ LPG lamp 06 ◯ Biogas lamp 07 ◯ Dry-cell battery torch 08 ◯ Rechargeable battery (incl. rechargeable torch) 09 ◯ Solar lantern 10 ◯ Solar home system 11 ◯ Mini-grid 12 ◯ National grid (KPLC) 13 ◯ Mobile phone torch 14 ◯ Solar torch 15 ◯ Light source NOT owned by household 88 ◯ Other

How does %childrespname% usually spend their time between 05:30 and 06:00?	SINGLE-SELECT	ch_time_2
E ch_wkptime_int<=0545	01 ◯ Get ready	
	02 ◯ Prepare/eat a meal	
	03 ◯ Go to school (including travel to school)	
	04 ◯ Go to duksi/madrasa/other religious education	
	05 ◯ Do homework / study (at home)	
	06 ◯ Do homework / study (in neighbourhood)	
	07 ◯ Do household chores (incl. cleaning dwelling/compound)	
	08 ◯ Wash clothes	
	09 ◯ Fetch water	
	10 ◯ Collect firewood	
	11 ◯ Buy household goods	
	12 ◯ Go to the farm / work on a plot	
	13 ◯ Take care / feed animals	
	14 ◯ Caring for siblings, sick, elderly, disabled	
	15 ◯ Go to/from work	
	16 ◯ Help with the household business	
	And 12 other symbols [67]	

Specify Other	TEXT	ch_time_2_other
E ch_time_2==88	··	

Does %childrespname% use any sources of lighting while %ch_time_2%?	SINGLE-SELECT	ch_actlight_2
E ch_time_2.InList(1,2,5,7,8,14,16,20,21,22,23,24,26,88) & & ch_time_1!=ch_time_2	01 ◯ Yes	
	02 ◯ No	

What is the main source of lighting used?	SINGLE-SELECT	ch_actlightd_2
E ch_actlight_2==1	01 ◯ Firewood	
	02 ◯ Candle	
	03 ◯ Kerosene lamp	
	04 ◯ Diesel/gasoline lamp	
	05 ◯ LPG lamp	
	06 ◯ Biogas lamp	
	07 ◯ Dry-cell battery torch	
	08 ◯ Rechargeable battery (incl. rechargeable torch)	
	09 ◯ Solar lantern	
	10 ◯ Solar home system	
	11 ◯ Mini-grid	
	12 ◯ National grid (KPLC)	
	13 ◯ Mobile phone torch	
	14 ◯ Solar torch	
	15 ◯ Light source NOT owned by household	
	88 ◯ Other	

How does %childrespname% usually spend their time between 06:00 and 06:30?	SINGLE-SELECT	ch_time_3

E ch_wkptime_int<=0615

- 01 ◯ Get ready
- 02 ◯ Prepare/eat a meal
- 03 ◯ Go to school (including travel to school)
- 04 ◯ Go to duksi/madrasa/other religious education
- 05 ◯ Do homework / study (at home)
- 06 ◯ Do homework / study (in neighbourhood)
- 07 ◯ Do household chores (incl. cleaning dwelling/compound)
- 08 ◯ Wash clothes
- 09 ◯ Fetch water
- 10 ◯ Collect firewood
- 11 ◯ Buy household goods
- 12 ◯ Go to the farm / work on a plot
- 13 ◯ Take care / feed animals
- 14 ◯ Caring for siblings, sick, elderly, disabled
- 15 ◯ Go to/from work
- 16 ◯ Help with the household business

And 12 other symbols [68]

Specify Other

TEXT ch_time_3_other

E ch_time_3==88

....

Does %childrespname% use any sources of lighting while %ch_time_3%?

SINGLE-SELECT ch_actlight_3

E ch_time_3.InList(1,2,5,7,8,14,16,20,21,22,23,24,26,88) & & ch_time_2!=ch_time_3

- 01 ◯ Yes
- 02 ◯ No

What is the main source of lighting used?

SINGLE-SELECT ch_actlightd_3

E ch_actlight_3==1

- 01 ◯ Firewood
- 02 ◯ Candle
- 03 ◯ Kerosene lamp
- 04 ◯ Diesel/gasoline lamp
- 05 ◯ LPG lamp
- 06 ◯ Biogas lamp
- 07 ◯ Dry-cell battery torch
- 08 ◯ Rechargeable battery (incl. rechargeable torch)
- 09 ◯ Solar lantern
- 10 ◯ Solar home system
- 11 ◯ Mini-grid
- 12 ◯ National grid (KPLC)
- 13 ◯ Mobile phone torch
- 14 ◯ Solar torch
- 15 ◯ Light source NOT owned by household
- 88 ◯ Other

How does %childrespname% usually spend their time between 06:30 and 07:00? E ch_wkptime_int<=0645	SINGLE-SELECT ch_time_4 01 ◯ Get ready 02 ◯ Prepare/eat a meal 03 ◯ Go to school (including travel to school) 04 ◯ Go to duksi/madrasa/other religious education 05 ◯ Do homework / study (at home) 06 ◯ Do homework / study (in neighbourhood) 07 ◯ Do household chores (incl. cleaning dwelling/compound) 08 ◯ Wash clothes 09 ◯ Fetch water 10 ◯ Collect firewood 11 ◯ Buy household goods 12 ◯ Go to the farm / work on a plot 13 ◯ Take care / feed animals 14 ◯ Caring for siblings, sick, elderly, disabled 15 ◯ Go to/from work 16 ◯ Help with the household business And 12 other symbols [69]
Specify Other E ch_time_4==88	TEXT ch_time_4_other ....
Does %childrespname% use any sources of lighting while %ch_time_4%? E ch_time_4.InList(1,2,5,7,8,14,16,20,21,22,23,24,26,88) & & ch_time_3!=ch_time_4	SINGLE-SELECT ch_actlight_4 01 ◯ Yes 02 ◯ No
What is the main source of lighting used? E ch_actlight_4==1	SINGLE-SELECT ch_actlightd_4 01 ◯ Firewood 02 ◯ Candle 03 ◯ Kerosene lamp 04 ◯ Diesel/gasoline lamp 05 ◯ LPG lamp 06 ◯ Biogas lamp 07 ◯ Dry-cell battery torch 08 ◯ Rechargeable battery (incl. rechargeable torch) 09 ◯ Solar lantern 10 ◯ Solar home system 11 ◯ Mini-grid 12 ◯ National grid (KPLC) 13 ◯ Mobile phone torch 14 ◯ Solar torch 15 ◯ Light source NOT owned by household 88 ◯ Other

How does %childrespname% usually spend their time between 07:00 and 07:30?	SINGLE-SELECT	ch_time_5

E ch_wkptime_int<=0715

01 ◯	Get ready
02 ◯	Prepare/eat a meal
03 ◯	Go to school (including travel to school)
04 ◯	Go to duksi/madrasa/other religious education
05 ◯	Do homework / study (at home)
06 ◯	Do homework / study (in neighbourhood)
07 ◯	Do household chores (incl. cleaning dwelling/compound)
08 ◯	Wash clothes
09 ◯	Fetch water
10 ◯	Collect firewood
11 ◯	Buy household goods
12 ◯	Go to the farm / work on a plot
13 ◯	Take care / feed animals
14 ◯	Caring for siblings, sick, elderly, disabled
15 ◯	Go to/from work
16 ◯	Help with the household business

And 12 other symbols [70]

Specify Other	TEXT	ch_time_5_other

E ch_time_5==88

....

Does %childrespname% use any sources of lighting while %ch_time_5%?	SINGLE-SELECT	ch_actlight_5

E ch_time_5.InList(1,2,5,7,8,14,16,20,21,22,23,24,26,88) & & ch_time_5!=ch_time_4

01 ◯	Yes
02 ◯	No

What is the main source of lighting used?	SINGLE-SELECT	ch_actlightd_5

E ch_actlight_5==1

01 ◯	Firewood
02 ◯	Candle
03 ◯	Kerosene lamp
04 ◯	Diesel/gasoline lamp
05 ◯	LPG lamp
06 ◯	Biogas lamp
07 ◯	Dry-cell battery torch
08 ◯	Rechargeable battery (incl. rechargeable torch)
09 ◯	Solar lantern
10 ◯	Solar home system
11 ◯	Mini-grid
12 ◯	National grid (KPLC)
13 ◯	Mobile phone torch
14 ◯	Solar torch
15 ◯	Light source NOT owned by household
88 ◯	Other

How does %childrespname% usually spend their time between 07:30 and 08:00? E ch_wkptime_int<=0745	SINGLE-SELECT ch_time_6
	01 ⭘ Get ready
	02 ⭘ Prepare/eat a meal
	03 ⭘ Go to school (including travel to school)
	04 ⭘ Go to duksi/madrasa/other religious education
	05 ⭘ Do homework / study (at home)
	06 ⭘ Do homework / study (in neighbourhood)
	07 ⭘ Do household chores (incl. cleaning dwelling/compound)
	08 ⭘ Wash clothes
	09 ⭘ Fetch water
	10 ⭘ Collect firewood
	11 ⭘ Buy household goods
	12 ⭘ Go to the farm / work on a plot
	13 ⭘ Take care / feed animals
	14 ⭘ Caring for siblings, sick, elderly, disabled
	15 ⭘ Go to/from work
	16 ⭘ Help with the household business
	And 12 other symbols [71]

Specify Other E ch_time_6==88	TEXT ch_time_6_other ••

Does %childrespname% use any sources of lighting while %ch_time_6%? E ch_time_6.InList(1,2,5,7,8,14,16,20,21,22,23,24,26,88) & & ch_time_5!=ch_time_6	SINGLE-SELECT ch_actlight_6 01 ⭘ Yes 02 ⭘ No

What is the main source of lighting used? E ch_actlight_6==1	SINGLE-SELECT ch_actlightd_6
	01 ⭘ Firewood
	02 ⭘ Candle
	03 ⭘ Kerosene lamp
	04 ⭘ Diesel/gasoline lamp
	05 ⭘ LPG lamp
	06 ⭘ Biogas lamp
	07 ⭘ Dry-cell battery torch
	08 ⭘ Rechargeable battery (incl. rechargeable torch)
	09 ⭘ Solar lantern
	10 ⭘ Solar home system
	11 ⭘ Mini-grid
	12 ⭘ National grid (KPLC)
	13 ⭘ Mobile phone torch
	14 ⭘ Solar torch
	15 ⭘ Light source NOT owned by household
	88 ⭘ Other

How does %childrespname% usually spend their time between 08:00 and 08:30? E ch_wkptime_int<=0815	SINGLE-SELECT ch_time_7 01 ◯ Get ready 02 ◯ Prepare/eat a meal 03 ◯ Go to school (including travel to school) 04 ◯ Go to duksi/madrasa/other religious education 05 ◯ Do homework / study (at home) 06 ◯ Do homework / study (in neighbourhood) 07 ◯ Do household chores (incl. cleaning dwelling/compound) 08 ◯ Wash clothes 09 ◯ Fetch water 10 ◯ Collect firewood 11 ◯ Buy household goods 12 ◯ Go to the farm / work on a plot 13 ◯ Take care / feed animals 14 ◯ Caring for siblings, sick, elderly, disabled 15 ◯ Go to/from work 16 ◯ Help with the household business And 12 other symbols [72]
Specify Other E ch_time_7==88	TEXT ch_time_7_other ....
How does %childrespname% usually spend their time between 08:30 and 09:00? E ch_wkptime_int<=0845	SINGLE-SELECT ch_time_8 01 ◯ Get ready 02 ◯ Prepare/eat a meal 03 ◯ Go to school (including travel to school) 04 ◯ Go to duksi/madrasa/other religious education 05 ◯ Do homework / study (at home) 06 ◯ Do homework / study (in neighbourhood) 07 ◯ Do household chores (incl. cleaning dwelling/compound) 08 ◯ Wash clothes 09 ◯ Fetch water 10 ◯ Collect firewood 11 ◯ Buy household goods 12 ◯ Go to the farm / work on a plot 13 ◯ Take care / feed animals 14 ◯ Caring for siblings, sick, elderly, disabled 15 ◯ Go to/from work 16 ◯ Help with the household business And 12 other symbols [73]
Specify Other E ch_time_8==88	TEXT ch_time_8_other ....

How does %childrespname% usually spend their time between 09:00 and 09:30? E ch_wkptime_int<=0915	SINGLE-SELECT ch_time_9 01 ◯ Get ready 02 ◯ Prepare/eat a meal 03 ◯ Go to school (including travel to school) 04 ◯ Go to duksi/madrasa/other religious education 05 ◯ Do homework / study (at home) 06 ◯ Do homework / study (in neighbourhood) 07 ◯ Do household chores (incl. cleaning dwelling/compound) 08 ◯ Wash clothes 09 ◯ Fetch water 10 ◯ Collect firewood 11 ◯ Buy household goods 12 ◯ Go to the farm / work on a plot 13 ◯ Take care / feed animals 14 ◯ Caring for siblings, sick, elderly, disabled 15 ◯ Go to/from work 16 ◯ Help with the household business And 12 other symbols [74]
Specify Other E ch_time_9==88	TEXT ch_time_9_other ....
How does %childrespname% usually spend their time between 09:30 and 10:00? E ch_wkptime_int<=0945	SINGLE-SELECT ch_time_10 01 ◯ Get ready 02 ◯ Prepare/eat a meal 03 ◯ Go to school (including travel to school) 04 ◯ Go to duksi/madrasa/other religious education 05 ◯ Do homework / study (at home) 06 ◯ Do homework / study (in neighbourhood) 07 ◯ Do household chores (incl. cleaning dwelling/compound) 08 ◯ Wash clothes 09 ◯ Fetch water 10 ◯ Collect firewood 11 ◯ Buy household goods 12 ◯ Go to the farm / work on a plot 13 ◯ Take care / feed animals 14 ◯ Caring for siblings, sick, elderly, disabled 15 ◯ Go to/from work 16 ◯ Help with the household business And 12 other symbols [75]
Specify Other E ch_time_10==88	TEXT ch_time_10_other ....

How does %childrespname% usually spend their time between 10:00 and 10:30? E `ch_wkptime_int<=1015`	SINGLE-SELECT ch_time_11 01 ◯ Get ready 02 ◯ Prepare/eat a meal 03 ◯ Go to school (including travel to school) 04 ◯ Go to duksi/madrasa/other religious education 05 ◯ Do homework / study (at home) 06 ◯ Do homework / study (in neighbourhood) 07 ◯ Do household chores (incl. cleaning dwelling/compound) 08 ◯ Wash clothes 09 ◯ Fetch water 10 ◯ Collect firewood 11 ◯ Buy household goods 12 ◯ Go to the farm / work on a plot 13 ◯ Take care / feed animals 14 ◯ Caring for siblings, sick, elderly, disabled 15 ◯ Go to/from work 16 ◯ Help with the household business And 12 other symbols [76]
Specify Other E `ch_time_11==88`	TEXT ch_time_11_other ....
How does %childrespname% usually spend their time between 10:30 and 11:00? E `ch_wkptime_int<=1045`	SINGLE-SELECT ch_time_12 01 ◯ Get ready 02 ◯ Prepare/eat a meal 03 ◯ Go to school (including travel to school) 04 ◯ Go to duksi/madrasa/other religious education 05 ◯ Do homework / study (at home) 06 ◯ Do homework / study (in neighbourhood) 07 ◯ Do household chores (incl. cleaning dwelling/compound) 08 ◯ Wash clothes 09 ◯ Fetch water 10 ◯ Collect firewood 11 ◯ Buy household goods 12 ◯ Go to the farm / work on a plot 13 ◯ Take care / feed animals 14 ◯ Caring for siblings, sick, elderly, disabled 15 ◯ Go to/from work 16 ◯ Help with the household business And 12 other symbols [77]
Specify Other E `ch_time_12==88`	TEXT ch_time_12_other ....

How does %childrespname% usually spend their time between 11:00 and 11:30?	SINGLE-SELECT	ch_time_13

01 ○ Get ready
02 ○ Prepare/eat a meal
03 ○ Go to school (including travel to school)
04 ○ Go to duksi/madrasa/other religious education
05 ○ Do homework / study (at home)
06 ○ Do homework / study (in neighbourhood)
07 ○ Do household chores (incl. cleaning dwelling/compound)
08 ○ Wash clothes
09 ○ Fetch water
10 ○ Collect firewood
11 ○ Buy household goods
12 ○ Go to the farm / work on a plot
13 ○ Take care / feed animals
14 ○ Caring for siblings, sick, elderly, disabled
15 ○ Go to/from work
16 ○ Help with the household business

And 12 other symbols [78]

Specify Other	TEXT	ch_time_13_other

E ch_time_13==88

···

How does %childrespname% usually spend their time between 11:30 and 12:00?	SINGLE-SELECT	ch_time_14

01 ○ Get ready
02 ○ Prepare/eat a meal
03 ○ Go to school (including travel to school)
04 ○ Go to duksi/madrasa/other religious education
05 ○ Do homework / study (at home)
06 ○ Do homework / study (in neighbourhood)
07 ○ Do household chores (incl. cleaning dwelling/compound)
08 ○ Wash clothes
09 ○ Fetch water
10 ○ Collect firewood
11 ○ Buy household goods
12 ○ Go to the farm / work on a plot
13 ○ Take care / feed animals
14 ○ Caring for siblings, sick, elderly, disabled
15 ○ Go to/from work
16 ○ Help with the household business

And 12 other symbols [79]

Specify Other	TEXT	ch_time_14_other

E ch_time_14==88

···

How does %childrespname% usually spend their time between 12:00 and 12:30?	SINGLE-SELECT	ch_time_15

01 ◯ Get ready

02 ◯ Prepare/eat a meal

03 ◯ Go to school (including travel to school)

04 ◯ Go to duksi/madrasa/other religious education

05 ◯ Do homework / study (at home)

06 ◯ Do homework / study (in neighbourhood)

07 ◯ Do household chores (incl. cleaning dwelling/compound)

08 ◯ Wash clothes

09 ◯ Fetch water

10 ◯ Collect firewood

11 ◯ Buy household goods

12 ◯ Go to the farm / work on a plot

13 ◯ Take care / feed animals

14 ◯ Caring for siblings, sick, elderly, disabled

15 ◯ Go to/from work

16 ◯ Help with the household business

And 12 other symbols [80]

Specify Other	TEXT	ch_time_15_other

E ch_time_15==88

....

How does %childrespname% usually spend their time between 12:30 and 13:00?	SINGLE-SELECT	ch_time_16

01 ◯ Get ready

02 ◯ Prepare/eat a meal

03 ◯ Go to school (including travel to school)

04 ◯ Go to duksi/madrasa/other religious education

05 ◯ Do homework / study (at home)

06 ◯ Do homework / study (in neighbourhood)

07 ◯ Do household chores (incl. cleaning dwelling/compound)

08 ◯ Wash clothes

09 ◯ Fetch water

10 ◯ Collect firewood

11 ◯ Buy household goods

12 ◯ Go to the farm / work on a plot

13 ◯ Take care / feed animals

14 ◯ Caring for siblings, sick, elderly, disabled

15 ◯ Go to/from work

16 ◯ Help with the household business

And 12 other symbols [81]

Specify Other	TEXT	ch_time_16_other

E ch_time_16==88

....

How does %childrespname% usually spend their time between 13:00 and 13:30?	SINGLE-SELECT	ch_time_17

01 ◯ Get ready
02 ◯ Prepare/eat a meal
03 ◯ Go to school (including travel to school)
04 ◯ Go to duksi/madrasa/other religious education
05 ◯ Do homework / study (at home)
06 ◯ Do homework / study (in neighbourhood)
07 ◯ Do household chores (incl. cleaning dwelling/compound)
08 ◯ Wash clothes
09 ◯ Fetch water
10 ◯ Collect firewood
11 ◯ Buy household goods
12 ◯ Go to the farm / work on a plot
13 ◯ Take care / feed animals
14 ◯ Caring for siblings, sick, elderly, disabled
15 ◯ Go to/from work
16 ◯ Help with the household business

And 12 other symbols [82]

Specify Other	TEXT	ch_time_17_other

E ch_time_17==88

....

How does %childrespname% usually spend their time between 13:30 and 14:00?	SINGLE-SELECT	ch_time_18

01 ◯ Get ready
02 ◯ Prepare/eat a meal
03 ◯ Go to school (including travel to school)
04 ◯ Go to duksi/madrasa/other religious education
05 ◯ Do homework / study (at home)
06 ◯ Do homework / study (in neighbourhood)
07 ◯ Do household chores (incl. cleaning dwelling/compound)
08 ◯ Wash clothes
09 ◯ Fetch water
10 ◯ Collect firewood
11 ◯ Buy household goods
12 ◯ Go to the farm / work on a plot
13 ◯ Take care / feed animals
14 ◯ Caring for siblings, sick, elderly, disabled
15 ◯ Go to/from work
16 ◯ Help with the household business

And 12 other symbols [83]

Specify Other	TEXT	ch_time_18_other

E ch_time_18==88

....

How does %childrespname% usually spend their time between 14:00 and 14:30?	SINGLE-SELECT	ch_time_19

01 ◯ Get ready

02 ◯ Prepare/eat a meal

03 ◯ Go to school (including travel to school)

04 ◯ Go to duksi/madrasa/other religious education

05 ◯ Do homework / study (at home)

06 ◯ Do homework / study (in neighbourhood)

07 ◯ Do household chores (incl. cleaning dwelling/compound)

08 ◯ Wash clothes

09 ◯ Fetch water

10 ◯ Collect firewood

11 ◯ Buy household goods

12 ◯ Go to the farm / work on a plot

13 ◯ Take care / feed animals

14 ◯ Caring for siblings, sick, elderly, disabled

15 ◯ Go to/from work

16 ◯ Help with the household business

And 12 other symbols [84]

Specify Other

E ch_time_19==88

TEXT   ch_time_19_other

....

How does %childrespname% usually spend their time between 14:30 and 15:00?	SINGLE-SELECT	ch_time_20

01 ◯ Get ready

02 ◯ Prepare/eat a meal

03 ◯ Go to school (including travel to school)

04 ◯ Go to duksi/madrasa/other religious education

05 ◯ Do homework / study (at home)

06 ◯ Do homework / study (in neighbourhood)

07 ◯ Do household chores (incl. cleaning dwelling/compound)

08 ◯ Wash clothes

09 ◯ Fetch water

10 ◯ Collect firewood

11 ◯ Buy household goods

12 ◯ Go to the farm / work on a plot

13 ◯ Take care / feed animals

14 ◯ Caring for siblings, sick, elderly, disabled

15 ◯ Go to/from work

16 ◯ Help with the household business

And 12 other symbols [85]

Specify Other

E ch_time_20==88

TEXT   ch_time_20_other

....

How does %childrespname% usually spend their time between 15:00 and 15:30?	SINGLE-SELECT	ch_time_21

01 ◯ Get ready
02 ◯ Prepare/eat a meal
03 ◯ Go to school (including travel to school)
04 ◯ Go to duksi/madrasa/other religious education
05 ◯ Do homework / study (at home)
06 ◯ Do homework / study (in neighbourhood)
07 ◯ Do household chores (incl. cleaning dwelling/compound)
08 ◯ Wash clothes
09 ◯ Fetch water
10 ◯ Collect firewood
11 ◯ Buy household goods
12 ◯ Go to the farm / work on a plot
13 ◯ Take care / feed animals
14 ◯ Caring for siblings, sick, elderly, disabled
15 ◯ Go to/from work
16 ◯ Help with the household business

And 12 other symbols [86]

Specify Other

E ch_time_21==88

TEXT — ch_time_21_other

....

How does %childrespname% usually spend their time between 15:30 and 16:00?	SINGLE-SELECT	ch_time_22

01 ◯ Get ready
02 ◯ Prepare/eat a meal
03 ◯ Go to school (including travel to school)
04 ◯ Go to duksi/madrasa/other religious education
05 ◯ Do homework / study (at home)
06 ◯ Do homework / study (in neighbourhood)
07 ◯ Do household chores (incl. cleaning dwelling/compound)
08 ◯ Wash clothes
09 ◯ Fetch water
10 ◯ Collect firewood
11 ◯ Buy household goods
12 ◯ Go to the farm / work on a plot
13 ◯ Take care / feed animals
14 ◯ Caring for siblings, sick, elderly, disabled
15 ◯ Go to/from work
16 ◯ Help with the household business

And 12 other symbols [87]

Specify Other

E ch_time_22==88

TEXT — ch_time_22_other

....

How does %childrespname% usually spend their time between 16:00 and 16:30?	SINGLE-SELECT	ch_time_23

01 ◯ Get ready
02 ◯ Prepare/eat a meal
03 ◯ Go to school (including travel to school)
04 ◯ Go to duksi/madrasa/other religious education
05 ◯ Do homework / study (at home)
06 ◯ Do homework / study (in neighbourhood)
07 ◯ Do household chores (incl. cleaning dwelling/compound)
08 ◯ Wash clothes
09 ◯ Fetch water
10 ◯ Collect firewood
11 ◯ Buy household goods
12 ◯ Go to the farm / work on a plot
13 ◯ Take care / feed animals
14 ◯ Caring for siblings, sick, elderly, disabled
15 ◯ Go to/from work
16 ◯ Help with the household business

And 12 other symbols [88]

Specify Other

E ch_time_23==88

	TEXT	ch_time_23_other

....

How does %childrespname% usually spend their time between 16:30 and 17:00?	SINGLE-SELECT	ch_time_24

01 ◯ Get ready
02 ◯ Prepare/eat a meal
03 ◯ Go to school (including travel to school)
04 ◯ Go to duksi/madrasa/other religious education
05 ◯ Do homework / study (at home)
06 ◯ Do homework / study (in neighbourhood)
07 ◯ Do household chores (incl. cleaning dwelling/compound)
08 ◯ Wash clothes
09 ◯ Fetch water
10 ◯ Collect firewood
11 ◯ Buy household goods
12 ◯ Go to the farm / work on a plot
13 ◯ Take care / feed animals
14 ◯ Caring for siblings, sick, elderly, disabled
15 ◯ Go to/from work
16 ◯ Help with the household business

And 12 other symbols [89]

Specify Other

E ch_time_24==88

	TEXT	ch_time_24_other

....

How does %childrespname% usually spend their time between 17:00 and 17:30?	SINGLE-SELECT	ch_time_25

01 ◯ Get ready
02 ◯ Prepare/eat a meal
03 ◯ Go to school (including travel to school)
04 ◯ Go to duksi/madrasa/other religious education
05 ◯ Do homework / study (at home)
06 ◯ Do homework / study (in neighbourhood)
07 ◯ Do household chores (incl. cleaning dwelling/compound)
08 ◯ Wash clothes
09 ◯ Fetch water
10 ◯ Collect firewood
11 ◯ Buy household goods
12 ◯ Go to the farm / work on a plot
13 ◯ Take care / feed animals
14 ◯ Caring for siblings, sick, elderly, disabled
15 ◯ Go to/from work
16 ◯ Help with the household business

And 12 other symbols [90]

Specify Other

E ch_time_25==88

TEXT ch_time_25_other

....

Does %childrespname% use any sources of lighting while %ch_time_25%?

E ch_time_25.InList(1,2,5,7,8,14,16,20,21,22,23,24,26,88)

SINGLE-SELECT ch_actlight_25

01 ◯ Yes
02 ◯ No

What is the main source of lighting used?

E ch_actlight_25==1

SINGLE-SELECT ch_actlightd_25

01 ◯ Firewood
02 ◯ Candle
03 ◯ Kerosene lamp
04 ◯ Diesel/gasoline lamp
05 ◯ LPG lamp
06 ◯ Biogas lamp
07 ◯ Dry-cell battery torch
08 ◯ Rechargeable battery (incl. rechargeable torch)
09 ◯ Solar lantern
10 ◯ Solar home system
11 ◯ Mini-grid
12 ◯ National grid (KPLC)
13 ◯ Mobile phone torch
14 ◯ Solar torch
15 ◯ Light source NOT owned by household
88 ◯ Other

How does %childrespname% usually spend their time between 17:30 and 18:00?	SINGLE-SELECT	ch_time_26

01 ○ Get ready
02 ○ Prepare/eat a meal
03 ○ Go to school (including travel to school)
04 ○ Go to duksi/madrasa/other religious education
05 ○ Do homework / study (at home)
06 ○ Do homework / study (in neighbourhood)
07 ○ Do household chores (incl. cleaning dwelling/compound)
08 ○ Wash clothes
09 ○ Fetch water
10 ○ Collect firewood
11 ○ Buy household goods
12 ○ Go to the farm / work on a plot
13 ○ Take care / feed animals
14 ○ Caring for siblings, sick, elderly, disabled
15 ○ Go to/from work
16 ○ Help with the household business

And 12 other symbols [91]

Specify Other

E ch_time_26==88

TEXT ch_time_26_other

....

Does %childrespname% use any sources of lighting while %ch_time_26%?

E ch_time_26.InList(1,2,5,7,8,14,16,20,21,22,23,24,26,88) && ch_time_25!=ch_time_26

SINGLE-SELECT ch_actlight_26

01 ○ Yes
02 ○ No

What is the main source of lighting used?

E ch_actlight_26==1

SINGLE-SELECT ch_actlightd_26

01 ○ Firewood
02 ○ Candle
03 ○ Kerosene lamp
04 ○ Diesel/gasoline lamp
05 ○ LPG lamp
06 ○ Biogas lamp
07 ○ Dry-cell battery torch
08 ○ Rechargeable battery (incl. rechargeable torch)
09 ○ Solar lantern
10 ○ Solar home system
11 ○ Mini-grid
12 ○ National grid (KPLC)
13 ○ Mobile phone torch
14 ○ Solar torch
15 ○ Light source NOT owned by household
88 ○ Other

How does %childrespname% usually spend their time between 18:00 and 18:30?	SINGLE-SELECT	ch_time_27

01 ◯ Get ready
02 ◯ Prepare/eat a meal
03 ◯ Go to school (including travel to school)
04 ◯ Go to duksi/madrasa/other religious education
05 ◯ Do homework / study (at home)
06 ◯ Do homework / study (in neighbourhood)
07 ◯ Do household chores (incl. cleaning dwelling/compound)
08 ◯ Wash clothes
09 ◯ Fetch water
10 ◯ Collect firewood
11 ◯ Buy household goods
12 ◯ Go to the farm / work on a plot
13 ◯ Take care / feed animals
14 ◯ Caring for siblings, sick, elderly, disabled
15 ◯ Go to/from work
16 ◯ Help with the household business

And 12 other symbols [92]

Specify Other

E ch_time_27==88

TEXT   ch_time_27_other

···

Does %childrespname% use any sources of lighting while %ch_time_27%?

E ch_time_27.InList(1,2,5,7,8,14,16,20,21,22,23,24,26,88) && ch_time_26!=ch_time_27

SINGLE-SELECT   ch_actlight_27

01 ◯ Yes
02 ◯ No

What is the main source of lighting used?

E ch_actlight_27==1

SINGLE-SELECT   ch_actlightd_27

01 ◯ Firewood
02 ◯ Candle
03 ◯ Kerosene lamp
04 ◯ Diesel/gasoline lamp
05 ◯ LPG lamp
06 ◯ Biogas lamp
07 ◯ Dry-cell battery torch
08 ◯ Rechargeable battery (incl. rechargeable torch)
09 ◯ Solar lantern
10 ◯ Solar home system
11 ◯ Mini-grid
12 ◯ National grid (KPLC)
13 ◯ Mobile phone torch
14 ◯ Solar torch
15 ◯ Light source NOT owned by household
88 ◯ Other

How does %childrespname% usually spend their time between 18:30 and 19:00?	SINGLE-SELECT	ch_time_28

E `ch_sleeptime_int>=1845`

01 ○ Get ready
02 ○ Prepare/eat a meal
03 ○ Go to school (including travel to school)
04 ○ Go to duksi/madrasa/other religious education
05 ○ Do homework / study (at home)
06 ○ Do homework / study (in neighbourhood)
07 ○ Do household chores (incl. cleaning dwelling/compound)
08 ○ Wash clothes
09 ○ Fetch water
10 ○ Collect firewood
11 ○ Buy household goods
12 ○ Go to the farm / work on a plot
13 ○ Take care / feed animals
14 ○ Caring for siblings, sick, elderly, disabled
15 ○ Go to/from work
16 ○ Help with the household business

And 12 other symbols [93]

Specify Other

E `ch_time_28==88`

TEXT — ch_time_28_other

··

Does %childrespname% use any sources of lighting while %ch_time_28%?

E `ch_time_28.InList(1,2,5,7,8,14,16,20,21,22,23,24,26,88) && ch_time_27!=ch_time_28`

SINGLE-SELECT — ch_actlight_28

01 ○ Yes
02 ○ No

What is the main source of lighting used?

E `ch_actlight_28==1`

SINGLE-SELECT — ch_actlightd_28

01 ○ Firewood
02 ○ Candle
03 ○ Kerosene lamp
04 ○ Diesel/gasoline lamp
05 ○ LPG lamp
06 ○ Biogas lamp
07 ○ Dry-cell battery torch
08 ○ Rechargeable battery (incl. rechargeable torch)
09 ○ Solar lantern
10 ○ Solar home system
11 ○ Mini-grid
12 ○ National grid (KPLC)
13 ○ Mobile phone torch
14 ○ Solar torch
15 ○ Light source NOT owned by household
88 ○ Other

How does %childrespname% usually spend their time between 19:00 and 19:30? E `ch_sleeptime_int>=1915`	SINGLE-SELECT ch_time_29
	01 ◯ Get ready
	02 ◯ Prepare/eat a meal
	03 ◯ Go to school (including travel to school)
	04 ◯ Go to duksi/madrasa/other religious education
	05 ◯ Do homework / study (at home)
	06 ◯ Do homework / study (in neighbourhood)
	07 ◯ Do household chores (incl. cleaning dwelling/compound)
	08 ◯ Wash clothes
	09 ◯ Fetch water
	10 ◯ Collect firewood
	11 ◯ Buy household goods
	12 ◯ Go to the farm / work on a plot
	13 ◯ Take care / feed animals
	14 ◯ Caring for siblings, sick, elderly, disabled
	15 ◯ Go to/from work
	16 ◯ Help with the household business
	 And 12 other symbols [94]
Specify Other E `ch_time_29==88`	TEXT ch_time_29_other ....
Does %childrespname% use any sources of lighting while %ch_time_29%? E `ch_time_29.InList(1,2,5,7,8,14,16,20,21,22,23,24,26,88) && ch_time_28!=ch_time_29`	SINGLE-SELECT ch_actlight_29 01 ◯ Yes 02 ◯ No
What is the main source of lighting used? E `ch_actlight_29==1`	SINGLE-SELECT ch_actlightd_29
	01 ◯ Firewood
	02 ◯ Candle
	03 ◯ Kerosene lamp
	04 ◯ Diesel/gasoline lamp
	05 ◯ LPG lamp
	06 ◯ Biogas lamp
	07 ◯ Dry-cell battery torch
	08 ◯ Rechargeable battery (incl. rechargeable torch)
	09 ◯ Solar lantern
	10 ◯ Solar home system
	11 ◯ Mini-grid
	12 ◯ National grid (KPLC)
	13 ◯ Mobile phone torch
	14 ◯ Solar torch
	15 ◯ Light source NOT owned by household
	88 ◯ Other

How does %childrespname% usually spend their time between 19:30 and 20:00? E `ch_sleeptime_int>=1945`	SINGLE-SELECT	ch_time_30
	01 ◯ Get ready	
	02 ◯ Prepare/eat a meal	
	03 ◯ Go to school (including travel to school)	
	04 ◯ Go to duksi/madrasa/other religious education	
	05 ◯ Do homework / study (at home)	
	06 ◯ Do homework / study (in neighbourhood)	
	07 ◯ Do household chores (incl. cleaning dwelling/compound)	
	08 ◯ Wash clothes	
	09 ◯ Fetch water	
	10 ◯ Collect firewood	
	11 ◯ Buy household goods	
	12 ◯ Go to the farm / work on a plot	
	13 ◯ Take care / feed animals	
	14 ◯ Caring for siblings, sick, elderly, disabled	
	15 ◯ Go to/from work	
	16 ◯ Help with the household business	
	And 12 other symbols [95]	

Specify Other E `ch_time_30==88`	TEXT	ch_time_30_other
	....	

Does %childrespname% use any sources of lighting while %ch_time_30%? E `ch_time_30.InList(1,2,5,7,8,14,16,20,21,22,23,24,26,88) && ch_time_29!=ch_time_30`	SINGLE-SELECT	ch_actlight_30
	01 ◯ Yes	
	02 ◯ No	

What is the main source of lighting used? E `ch_actlight_30==1`	SINGLE-SELECT	ch_actlightd_30
	01 ◯ Firewood	
	02 ◯ Candle	
	03 ◯ Kerosene lamp	
	04 ◯ Diesel/gasoline lamp	
	05 ◯ LPG lamp	
	06 ◯ Biogas lamp	
	07 ◯ Dry-cell battery torch	
	08 ◯ Rechargeable battery (incl. rechargeable torch)	
	09 ◯ Solar lantern	
	10 ◯ Solar home system	
	11 ◯ Mini-grid	
	12 ◯ National grid (KPLC)	
	13 ◯ Mobile phone torch	
	14 ◯ Solar torch	
	15 ◯ Light source NOT owned by household	
	88 ◯ Other	

How does %childrespname% usually spend their time between 20:00 and 20:30?	SINGLE-SELECT	ch_time_31

E `ch_sleeptime_int>=2015`

01 ○ Get ready
02 ○ Prepare/eat a meal
03 ○ Go to school (including travel to school)
04 ○ Go to duksi/madrasa/other religious education
05 ○ Do homework / study (at home)
06 ○ Do homework / study (in neighbourhood)
07 ○ Do household chores (incl. cleaning dwelling/compound)
08 ○ Wash clothes
09 ○ Fetch water
10 ○ Collect firewood
11 ○ Buy household goods
12 ○ Go to the farm / work on a plot
13 ○ Take care / feed animals
14 ○ Caring for siblings, sick, elderly, disabled
15 ○ Go to/from work
16 ○ Help with the household business

And 12 other symbols [96]

Specify Other

E `ch_time_31==88`

TEXT — ch_time_31_other

⋯⋯⋯⋯⋯⋯⋯⋯⋯⋯⋯⋯⋯⋯⋯⋯⋯⋯⋯⋯⋯⋯⋯⋯⋯⋯⋯

Does %childrespname% use any sources of lighting while %ch_time_31%?

E `ch_time_31.InList(1,2,5,7,8,14,16,20,21,22,23,24,26,88) && ch_time_30!=ch_time_31`

SINGLE-SELECT — ch_actlight_31

01 ○ Yes
02 ○ No

What is the main source of lighting used?

E `ch_actlight_31==1`

SINGLE-SELECT — ch_actlightd_31

01 ○ Firewood
02 ○ Candle
03 ○ Kerosene lamp
04 ○ Diesel/gasoline lamp
05 ○ LPG lamp
06 ○ Biogas lamp
07 ○ Dry-cell battery torch
08 ○ Rechargeable battery (incl. rechargeable torch)
09 ○ Solar lantern
10 ○ Solar home system
11 ○ Mini-grid
12 ○ National grid (KPLC)
13 ○ Mobile phone torch
14 ○ Solar torch
15 ○ Light source NOT owned by household
88 ○ Other

How does %childrespname% usually spend their time between 20:30 and 21:00? E ch_sleeptime_int>=2045	SINGLE-SELECT	ch_time_32
	01 ◯ Get ready	
	02 ◯ Prepare/eat a meal	
	03 ◯ Go to school (including travel to school)	
	04 ◯ Go to duksi/madrasa/other religious education	
	05 ◯ Do homework / study (at home)	
	06 ◯ Do homework / study (in neighbourhood)	
	07 ◯ Do household chores (incl. cleaning dwelling/compound)	
	08 ◯ Wash clothes	
	09 ◯ Fetch water	
	10 ◯ Collect firewood	
	11 ◯ Buy household goods	
	12 ◯ Go to the farm / work on a plot	
	13 ◯ Take care / feed animals	
	14 ◯ Caring for siblings, sick, elderly, disabled	
	15 ◯ Go to/from work	
	16 ◯ Help with the household business	
	And 12 other symbols [97]	

Specify Other E ch_time_32==88	TEXT	ch_time_32_other
	....	

Does %childrespname% use any sources of lighting while %ch_time_32%? E ch_time_32.InList(1,2,5,7,8,14,16,20,21,22,23,24,26,88) && ch_time_31!=ch_time_32	SINGLE-SELECT	ch_actlight_32
	01 ◯ Yes	
	02 ◯ No	

What is the main source of lighting used? E ch_actlight_32==1	SINGLE-SELECT	ch_actlightd_32
	01 ◯ Firewood	
	02 ◯ Candle	
	03 ◯ Kerosene lamp	
	04 ◯ Diesel/gasoline lamp	
	05 ◯ LPG lamp	
	06 ◯ Biogas lamp	
	07 ◯ Dry-cell battery torch	
	08 ◯ Rechargeable battery (incl. rechargeable torch)	
	09 ◯ Solar lantern	
	10 ◯ Solar home system	
	11 ◯ Mini-grid	
	12 ◯ National grid (KPLC)	
	13 ◯ Mobile phone torch	
	14 ◯ Solar torch	
	15 ◯ Light source NOT owned by household	
	88 ◯ Other	

How does %childrespname% usually spend their time between 21:00 and 21:30? E ch_sleeptime_int>=2115	SINGLE-SELECT ch_time_33
	01 ◯ Get ready
	02 ◯ Prepare/eat a meal
	03 ◯ Go to school (including travel to school)
	04 ◯ Go to duksi/madrasa/other religious education
	05 ◯ Do homework / study (at home)
	06 ◯ Do homework / study (in neighbourhood)
	07 ◯ Do household chores (incl. cleaning dwelling/compound)
	08 ◯ Wash clothes
	09 ◯ Fetch water
	10 ◯ Collect firewood
	11 ◯ Buy household goods
	12 ◯ Go to the farm / work on a plot
	13 ◯ Take care / feed animals
	14 ◯ Caring for siblings, sick, elderly, disabled
	15 ◯ Go to/from work
	16 ◯ Help with the household business
	[And 12 other symbols [98]](#)
Specify Other E ch_time_33==88	TEXT ch_time_33_other ....
Does %childrespname% use any sources of lighting while %ch_time_33%? E ch_time_33.InList(1,2,5,7,8,14,16,20,21,22,23,24,26,88) && ch_time_32!=ch_time_33	SINGLE-SELECT ch_actlight_33 01 ◯ Yes 02 ◯ No
What is the main source of lighting used? E ch_actlight_33==1	SINGLE-SELECT ch_actlightd_33
	01 ◯ Firewood
	02 ◯ Candle
	03 ◯ Kerosene lamp
	04 ◯ Diesel/gasoline lamp
	05 ◯ LPG lamp
	06 ◯ Biogas lamp
	07 ◯ Dry-cell battery torch
	08 ◯ Rechargeable battery (incl. rechargeable torch)
	09 ◯ Solar lantern
	10 ◯ Solar home system
	11 ◯ Mini-grid
	12 ◯ National grid (KPLC)
	13 ◯ Mobile phone torch
	14 ◯ Solar torch
	15 ◯ Light source NOT owned by household
	88 ◯ Other

How does %childrespname% usually spend their time between 21:30 and 22:00?	SINGLE-SELECT	ch_time_34

E ch_sleeptime_int>=2145

- 01 ◯ Get ready
- 02 ◯ Prepare/eat a meal
- 03 ◯ Go to school (including travel to school)
- 04 ◯ Go to duksi/madrasa/other religious education
- 05 ◯ Do homework / study (at home)
- 06 ◯ Do homework / study (in neighbourhood)
- 07 ◯ Do household chores (incl. cleaning dwelling/compound)
- 08 ◯ Wash clothes
- 09 ◯ Fetch water
- 10 ◯ Collect firewood
- 11 ◯ Buy household goods
- 12 ◯ Go to the farm / work on a plot
- 13 ◯ Take care / feed animals
- 14 ◯ Caring for siblings, sick, elderly, disabled
- 15 ◯ Go to/from work
- 16 ◯ Help with the household business

And 12 other symbols [99]

Specify Other	TEXT	ch_time_34_other

E ch_time_34==88

....

Does %childrespname% use any sources of lighting while %ch_time_34%?	SINGLE-SELECT	ch_actlight_34

E ch_time_34.InList(1,2,5,7,8,14,16,20,21,22,23,24,26,88) && ch_time_33!=ch_time_34

- 01 ◯ Yes
- 02 ◯ No

What is the main source of lighting used?	SINGLE-SELECT	ch_actlightd_34

E ch_actlight_34==1

- 01 ◯ Firewood
- 02 ◯ Candle
- 03 ◯ Kerosene lamp
- 04 ◯ Diesel/gasoline lamp
- 05 ◯ LPG lamp
- 06 ◯ Biogas lamp
- 07 ◯ Dry-cell battery torch
- 08 ◯ Rechargeable battery (incl. rechargeable torch)
- 09 ◯ Solar lantern
- 10 ◯ Solar home system
- 11 ◯ Mini-grid
- 12 ◯ National grid (KPLC)
- 13 ◯ Mobile phone torch
- 14 ◯ Solar torch
- 15 ◯ Light source NOT owned by household
- 88 ◯ Other

How does %childrespname% usually spend their time between 22:00 and 22:30?	SINGLE-SELECT	ch_time_35

E `ch_sleeptime_int>=2215`

01 ◯ Get ready
02 ◯ Prepare/eat a meal
03 ◯ Go to school (including travel to school)
04 ◯ Go to duksi/madrasa/other religious education
05 ◯ Do homework / study (at home)
06 ◯ Do homework / study (in neighbourhood)
07 ◯ Do household chores (incl. cleaning dwelling/compound)
08 ◯ Wash clothes
09 ◯ Fetch water
10 ◯ Collect firewood
11 ◯ Buy household goods
12 ◯ Go to the farm / work on a plot
13 ◯ Take care / feed animals
14 ◯ Caring for siblings, sick, elderly, disabled
15 ◯ Go to/from work
16 ◯ Help with the household business

And 12 other symbols [100]

Specify Other

E `ch_time_35==88`

TEXT   ch_time_35_other

....

Does %childrespname% use any sources of lighting while %ch_time_35%?

E `ch_time_35.InList(1,2,5,7,8,14,16,20,21,22,23,24,26,88) && ch_time_34!=ch_time_35`

SINGLE-SELECT   ch_actlight_35

01 ◯ Yes
02 ◯ No

What is the main source of lighting used?

E `ch_actlight_35==1`

SINGLE-SELECT   ch_actlightd_35

01 ◯ Firewood
02 ◯ Candle
03 ◯ Kerosene lamp
04 ◯ Diesel/gasoline lamp
05 ◯ LPG lamp
06 ◯ Biogas lamp
07 ◯ Dry-cell battery torch
08 ◯ Rechargeable battery (incl. rechargeable torch)
09 ◯ Solar lantern
10 ◯ Solar home system
11 ◯ Mini-grid
12 ◯ National grid (KPLC)
13 ◯ Mobile phone torch
14 ◯ Solar torch
15 ◯ Light source NOT owned by household
88 ◯ Other

How does %childrespname% usually spend their time between 22:30 and 23:00?	SINGLE-SELECT	ch_time_36
E ch_sleeptime_int>=2245	01 ○ Get ready	
	02 ○ Prepare/eat a meal	
	03 ○ Go to school (including travel to school)	
	04 ○ Go to duksi/madrasa/other religious education	
	05 ○ Do homework / study (at home)	
	06 ○ Do homework / study (in neighbourhood)	
	07 ○ Do household chores (incl. cleaning dwelling/compound)	
	08 ○ Wash clothes	
	09 ○ Fetch water	
	10 ○ Collect firewood	
	11 ○ Buy household goods	
	12 ○ Go to the farm / work on a plot	
	13 ○ Take care / feed animals	
	14 ○ Caring for siblings, sick, elderly, disabled	
	15 ○ Go to/from work	
	16 ○ Help with the household business	
	And 12 other symbols [101]	

Specify Other	TEXT	ch_time_36_other
E ch_time_36==88	....	

Does %childrespname% use any sources of lighting while %ch_time_36%?	SINGLE-SELECT	ch_actlight_36
E ch_time_36.InList(1,2,5,7,8,14,16,20,21,22,23,24,26,88) && ch_time_35!=ch_time_36	01 ○ Yes	
	02 ○ No	

What is the main source of lighting used?	SINGLE-SELECT	ch_actlightd_36
E ch_actlight_36==1	01 ○ Firewood	
	02 ○ Candle	
	03 ○ Kerosene lamp	
	04 ○ Diesel/gasoline lamp	
	05 ○ LPG lamp	
	06 ○ Biogas lamp	
	07 ○ Dry-cell battery torch	
	08 ○ Rechargeable battery (incl. rechargeable torch)	
	09 ○ Solar lantern	
	10 ○ Solar home system	
	11 ○ Mini-grid	
	12 ○ National grid (KPLC)	
	13 ○ Mobile phone torch	
	14 ○ Solar torch	
	15 ○ Light source NOT owned by household	
	88 ○ Other	

How does %childrespname% usually spend their time between 23:00 and 23:30?	SINGLE-SELECT	ch_time_37

E `ch_sleeptime_int>=2315`

- 01 ◯ Get ready
- 02 ◯ Prepare/eat a meal
- 03 ◯ Go to school (including travel to school)
- 04 ◯ Go to duksi/madrasa/other religious education
- 05 ◯ Do homework / study (at home)
- 06 ◯ Do homework / study (in neighbourhood)
- 07 ◯ Do household chores (incl. cleaning dwelling/compound)
- 08 ◯ Wash clothes
- 09 ◯ Fetch water
- 10 ◯ Collect firewood
- 11 ◯ Buy household goods
- 12 ◯ Go to the farm / work on a plot
- 13 ◯ Take care / feed animals
- 14 ◯ Caring for siblings, sick, elderly, disabled
- 15 ◯ Go to/from work
- 16 ◯ Help with the household business

And 12 other symbols [102]

Specify Other

TEXT   ch_time_37_other

E `ch_time_37==88`

....

Does %childrespname% use any sources of lighting while %ch_time_37%?

SINGLE-SELECT   ch_actlight_37

E `ch_time_37.InList(1,2,5,7,8,14,16,20,21,22,23,24,26,88) && ch_time_37!=ch_time_36`

- 01 ◯ Yes
- 02 ◯ No

What is the main source of lighting used?

SINGLE-SELECT   ch_actlightd_37

E `ch_actlight_37==1`

- 01 ◯ Firewood
- 02 ◯ Candle
- 03 ◯ Kerosene lamp
- 04 ◯ Diesel/gasoline lamp
- 05 ◯ LPG lamp
- 06 ◯ Biogas lamp
- 07 ◯ Dry-cell battery torch
- 08 ◯ Rechargeable battery (incl. rechargeable torch)
- 09 ◯ Solar lantern
- 10 ◯ Solar home system
- 11 ◯ Mini-grid
- 12 ◯ National grid (KPLC)
- 13 ◯ Mobile phone torch
- 14 ◯ Solar torch
- 15 ◯ Light source NOT owned by household
- 88 ◯ Other

How does %childrespname% usually spend their time between 23:30 and 00:00 (midnight)?	SINGLE-SELECT	ch_time_38

E ch_sleeptime_int>=2345

- 01 ○ Get ready
- 02 ○ Prepare/eat a meal
- 03 ○ Go to school (including travel to school)
- 04 ○ Go to duksi/madrasa/other religious education
- 05 ○ Do homework / study (at home)
- 06 ○ Do homework / study (in neighbourhood)
- 07 ○ Do household chores (incl. cleaning dwelling/compound)
- 08 ○ Wash clothes
- 09 ○ Fetch water
- 10 ○ Collect firewood
- 11 ○ Buy household goods
- 12 ○ Go to the farm / work on a plot
- 13 ○ Take care / feed animals
- 14 ○ Caring for siblings, sick, elderly, disabled
- 15 ○ Go to/from work
- 16 ○ Help with the household business

And 12 other symbols [103]

Specify Other

TEXT ch_time_38_other

E ch_time_38==88

··

Does %childrespname% use any sources of lighting while %ch_time_38%?

SINGLE-SELECT ch_actlight_38

E ch_time_38.InList(1,2,5,7,8,14,16,20,21,22,23,24,26,88) && ch_time_37!=ch_time_38

- 01 ○ Yes
- 02 ○ No

What is the main source of lighting used?

SINGLE-SELECT ch_actlightd_38

E ch_actlight_38==1

- 01 ○ Firewood
- 02 ○ Candle
- 03 ○ Kerosene lamp
- 04 ○ Diesel/gasoline lamp
- 05 ○ LPG lamp
- 06 ○ Biogas lamp
- 07 ○ Dry-cell battery torch
- 08 ○ Rechargeable battery (incl. rechargeable torch)
- 09 ○ Solar lantern
- 10 ○ Solar home system
- 11 ○ Mini-grid
- 12 ○ National grid (KPLC)
- 13 ○ Mobile phone torch
- 14 ○ Solar torch
- 15 ○ Light source NOT owned by household
- 88 ○ Other

How does %childrespname% usually spend their time between 00:00 (midnight) and 00:30?	SINGLE-SELECT	ch_time_39

E `ch_midnight==true && ch_sleeptime_int>=0015`

- 01 ◯ Get ready
- 02 ◯ Prepare/eat a meal
- 03 ◯ Go to school (including travel to school)
- 04 ◯ Go to duksi/madrasa/other religious education
- 05 ◯ Do homework / study (at home)
- 06 ◯ Do homework / study (in neighbourhood)
- 07 ◯ Do household chores (incl. cleaning dwelling/compound)
- 08 ◯ Wash clothes
- 09 ◯ Fetch water
- 10 ◯ Collect firewood
- 11 ◯ Buy household goods
- 12 ◯ Go to the farm / work on a plot
- 13 ◯ Take care / feed animals
- 14 ◯ Caring for siblings, sick, elderly, disabled
- 15 ◯ Go to/from work
- 16 ◯ Help with the household business

And 12 other symbols [104]

Specify Other

TEXT   ch_time_39_other

E `ch_time_39==88`

....

Does %childrespname% use any sources of lighting while %ch_time_39%?

SINGLE-SELECT   ch_actlight_39

E `ch_time_39.InList(1,2,5,7,8,14,16,20,21,22,23,24,26,88) && ch_time_38!=ch_time_39`

- 01 ◯ Yes
- 02 ◯ No

What is the main source of lighting used?

SINGLE-SELECT   ch_actlightd_39

E `ch_actlight_39==1`

- 01 ◯ Firewood
- 02 ◯ Candle
- 03 ◯ Kerosene lamp
- 04 ◯ Diesel/gasoline lamp
- 05 ◯ LPG lamp
- 06 ◯ Biogas lamp
- 07 ◯ Dry-cell battery torch
- 08 ◯ Rechargeable battery (incl. rechargeable torch)
- 09 ◯ Solar lantern
- 10 ◯ Solar home system
- 11 ◯ Mini-grid
- 12 ◯ National grid (KPLC)
- 13 ◯ Mobile phone torch
- 14 ◯ Solar torch
- 15 ◯ Light source NOT owned by household
- 88 ◯ Other

How does %childrespname% usually spend their time between 00:30 and 01:00?	SINGLE-SELECT	ch_time_40

E `ch_midnight==true && ch_sleeptime_int>=0045`

01 ◯ Get ready
02 ◯ Prepare/eat a meal
03 ◯ Go to school (including travel to school)
04 ◯ Go to duksi/madrasa/other religious education
05 ◯ Do homework / study (at home)
06 ◯ Do homework / study (in neighbourhood)
07 ◯ Do household chores (incl. cleaning dwelling/compound)
08 ◯ Wash clothes
09 ◯ Fetch water
10 ◯ Collect firewood
11 ◯ Buy household goods
12 ◯ Go to the farm / work on a plot
13 ◯ Take care / feed animals
14 ◯ Caring for siblings, sick, elderly, disabled
15 ◯ Go to/from work
16 ◯ Help with the household business

And 12 other symbols [105]

Specify Other

E `ch_time_40==88`

TEXT — ch_time_40_other

···

Does %childrespname% use any sources of lighting while %ch_time_40%?

E `ch_time_40.InList(1,2,5,7,8,14,16,20,21,22,23,24,26,88) && ch_time_39!=ch_time_40`

SINGLE-SELECT — ch_actlight_40

01 ◯ Yes
02 ◯ No

What is the main source of lighting used?

E `ch_actlight_40==1`

SINGLE-SELECT — ch_actlightd_40

01 ◯ Firewood
02 ◯ Candle
03 ◯ Kerosene lamp
04 ◯ Diesel/gasoline lamp
05 ◯ LPG lamp
06 ◯ Biogas lamp
07 ◯ Dry-cell battery torch
08 ◯ Rechargeable battery (incl. rechargeable torch)
09 ◯ Solar lantern
10 ◯ Solar home system
11 ◯ Mini-grid
12 ◯ National grid (KPLC)
13 ◯ Mobile phone torch
14 ◯ Solar torch
15 ◯ Light source NOT owned by household
88 ◯ Other

How does %childrespname% usually spend their time between 01:00 and 01:30?	SINGLE-SELECT	ch_time_41

E `ch_midnight==true && ch_sleeptime_int>=0115`

01 ○ Get ready
02 ○ Prepare/eat a meal
03 ○ Go to school (including travel to school)
04 ○ Go to duksi/madrasa/other religious education
05 ○ Do homework / study (at home)
06 ○ Do homework / study (in neighbourhood)
07 ○ Do household chores (incl. cleaning dwelling/compound)
08 ○ Wash clothes
09 ○ Fetch water
10 ○ Collect firewood
11 ○ Buy household goods
12 ○ Go to the farm / work on a plot
13 ○ Take care / feed animals
14 ○ Caring for siblings, sick, elderly, disabled
15 ○ Go to/from work
16 ○ Help with the household business

[And 12 other symbols [106]](#)

Specify Other

TEXT ch_time_41_other

E `ch_time_41==88`

....

Does %childrespname% use any sources of lighting while %ch_time_41%?

SINGLE-SELECT ch_actlight_41

E `ch_time_41.InList(1,2,5,7,8,14,16,20,21,22,23,24,26,88) && ch_time_40!=ch_time_41`

01 ○ Yes
02 ○ No

What is the main source of lighting used?

SINGLE-SELECT ch_actlightd_41

E `ch_actlight_41==1`

01 ○ Firewood
02 ○ Candle
03 ○ Kerosene lamp
04 ○ Diesel/gasoline lamp
05 ○ LPG lamp
06 ○ Biogas lamp
07 ○ Dry-cell battery torch
08 ○ Rechargeable battery (incl. rechargeable torch)
09 ○ Solar lantern
10 ○ Solar home system
11 ○ Mini-grid
12 ○ National grid (KPLC)
13 ○ Mobile phone torch
14 ○ Solar torch
15 ○ Light source NOT owned by household
88 ○ Other

How does %childrespname% usually spend their time between 01:30 and 02:00?	SINGLE-SELECT	ch_time_42
E ch_midnight==true && ch_sleeptime_int>=0145	01 ○ Get ready	
	02 ○ Prepare/eat a meal	
	03 ○ Go to school (including travel to school)	
	04 ○ Go to duksi/madrasa/other religious education	
	05 ○ Do homework / study (at home)	
	06 ○ Do homework / study (in neighbourhood)	
	07 ○ Do household chores (incl. cleaning dwelling/compound)	
	08 ○ Wash clothes	
	09 ○ Fetch water	
	10 ○ Collect firewood	
	11 ○ Buy household goods	
	12 ○ Go to the farm / work on a plot	
	13 ○ Take care / feed animals	
	14 ○ Caring for siblings, sick, elderly, disabled	
	15 ○ Go to/from work	
	16 ○ Help with the household business	

And 12 other symbols [107]

Specify Other	TEXT	ch_time_42_other
E ch_time_42==88	....	

Does %childrespname% use any sources of lighting while %ch_time_42%?	SINGLE-SELECT	ch_actlight_42
E ch_time_42.InList(1,2,5,7,8,14,16,20,21,22,23,24,26,88) && ch_time_41!=ch_time_42	01 ○ Yes	
	02 ○ No	

What is the main source of lighting used?	SINGLE-SELECT	ch_actlightd_42
E ch_actlight_42==1	01 ○ Firewood	
	02 ○ Candle	
	03 ○ Kerosene lamp	
	04 ○ Diesel/gasoline lamp	
	05 ○ LPG lamp	
	06 ○ Biogas lamp	
	07 ○ Dry-cell battery torch	
	08 ○ Rechargeable battery (incl. rechargeable torch)	
	09 ○ Solar lantern	
	10 ○ Solar home system	
	11 ○ Mini-grid	
	12 ○ National grid (KPLC)	
	13 ○ Mobile phone torch	
	14 ○ Solar torch	
	15 ○ Light source NOT owned by household	
	88 ○ Other	

How does %childrespname% usually spend their time between 02:00 and 02:30? E `ch_midnight==true && ch_sleeptime_int>=0215`	SINGLE-SELECT	ch_time_43
	01 ◯ Get ready	
	02 ◯ Prepare/eat a meal	
	03 ◯ Go to school (including travel to school)	
	04 ◯ Go to duksi/madrasa/other religious education	
	05 ◯ Do homework / study (at home)	
	06 ◯ Do homework / study (in neighbourhood)	
	07 ◯ Do household chores (incl. cleaning dwelling/compound)	
	08 ◯ Wash clothes	
	09 ◯ Fetch water	
	10 ◯ Collect firewood	
	11 ◯ Buy household goods	
	12 ◯ Go to the farm / work on a plot	
	13 ◯ Take care / feed animals	
	14 ◯ Caring for siblings, sick, elderly, disabled	
	15 ◯ Go to/from work	
	16 ◯ Help with the household business	
	[And 12 other symbols [108]](#)	

Specify Other E `ch_time_43==88`	TEXT	ch_time_43_other
	....	

Does %childrespname% use any sources of lighting while %ch_time_43%? E `ch_time_43.InList(1,2,5,7,8,14,16,20,21,22,23,24,26,88) && ch_time_42!=ch_time_43`	SINGLE-SELECT	ch_actlight_43
	01 ◯ Yes	
	02 ◯ No	

What is the main source of lighting used? E `ch_actlight_43==1`	SINGLE-SELECT	ch_actlightd_43
	01 ◯ Firewood	
	02 ◯ Candle	
	03 ◯ Kerosene lamp	
	04 ◯ Diesel/gasoline lamp	
	05 ◯ LPG lamp	
	06 ◯ Biogas lamp	
	07 ◯ Dry-cell battery torch	
	08 ◯ Rechargeable battery (incl. rechargeable torch)	
	09 ◯ Solar lantern	
	10 ◯ Solar home system	
	11 ◯ Mini-grid	
	12 ◯ National grid (KPLC)	
	13 ◯ Mobile phone torch	
	14 ◯ Solar torch	
	15 ◯ Light source NOT owned by household	
	88 ◯ Other	

How does %childrespname% usually spend their time between 02:30 and 03:00?	SINGLE-SELECT	ch_time_44

E `ch_midnight==true && ch_sleeptime_int>=0245`

- 01 ◯ Get ready
- 02 ◯ Prepare/eat a meal
- 03 ◯ Go to school (including travel to school)
- 04 ◯ Go to duksi/madrasa/other religious education
- 05 ◯ Do homework / study (at home)
- 06 ◯ Do homework / study (in neighbourhood)
- 07 ◯ Do household chores (incl. cleaning dwelling/compound)
- 08 ◯ Wash clothes
- 09 ◯ Fetch water
- 10 ◯ Collect firewood
- 11 ◯ Buy household goods
- 12 ◯ Go to the farm / work on a plot
- 13 ◯ Take care / feed animals
- 14 ◯ Caring for siblings, sick, elderly, disabled
- 15 ◯ Go to/from work
- 16 ◯ Help with the household business

And 12 other symbols [109]

Specify Other	TEXT	ch_time_44_other

E `ch_time_44==88`

....

Does %childrespname% use any sources of lighting while %ch_time_44%?	SINGLE-SELECT	ch_actlight_44

E `ch_time_44.InList(1,2,5,7,8,14,16,20,21,22,23,24,26,88) && ch_time_43!=ch_time_44`

- 01 ◯ Yes
- 02 ◯ No

What is the main source of lighting used?	SINGLE-SELECT	ch_actlightd_44

E `ch_actlight_44==1`

- 01 ◯ Firewood
- 02 ◯ Candle
- 03 ◯ Kerosene lamp
- 04 ◯ Diesel/gasoline lamp
- 05 ◯ LPG lamp
- 06 ◯ Biogas lamp
- 07 ◯ Dry-cell battery torch
- 08 ◯ Rechargeable battery (incl. rechargeable torch)
- 09 ◯ Solar lantern
- 10 ◯ Solar home system
- 11 ◯ Mini-grid
- 12 ◯ National grid (KPLC)
- 13 ◯ Mobile phone torch
- 14 ◯ Solar torch
- 15 ◯ Light source NOT owned by household
- 88 ◯ Other

COVID-19 INFO FOR HOUSEHOLDS

E v1_date.Value.Month>=1

STATIC TEXT

INTERVIEWER: please read out the below text on COVID-19 to the respondent at the end of the interview.

STATIC TEXT

Before we end the interview today, we would first like to thank you very much for the time you have given us today and we would also like to remind you of some information related to COVID-19/coronavirus.

Coronavirus is an infectious disease caused by a newly discovered virus. It is spread from person to person when droplets from an infected person who sneezes or coughs lands on the mouths or noses of people nearby. It can also be spread when one encounters an infected surface or object.

Most common symptoms of COVID-19 include fever, cough and tiredness. Less common symptoms include aches and pains, loss of taste and/or smell, headache and diarrhea. Severe symptoms include difficulty breathing and multiple organ failure.

On average, it takes 5-6 days for someone infected with the virus to show symptoms, however it can take up to 14 days. However, they can still spread the virus even before they start showing symptoms. Also there are many asymptomatic people who have the virus – that is, they don't show any symptoms but they have the virus and can spread it.

How can you and others prevent the spread of COVID-19? 1. Regularly wash your hands with soap and water for 20 seconds, or clean your hands with alcohol based sanitizers when water and soap is not available. 2. Avoid touching your eyes, nose and mouth to prevent transferring the virus. 3. Maintain at least 2 metres between yourself and others not in your household. 4. Wear your face masks when you are in the same room with members outside of your households. 5. Avoid handshakes and physical contact. 6. Practice good respiratory hygiene i.e. cover your mouth & nose with your bent elbow or tissue when you sneeze or cough. Then dispose tissue and wash/sanitize right after. 7. Avoid crowded spaces as much as possible. 8. Self-isolate (i.e. avoid contact with others) if you have any COVID-19 symptoms.

*If you experience any symptoms, you should self-isolate and call the government hotline and wait for their advice on what to do next. In case you feel unwell, please call at 719 or text at *719#.*

You can also contact your community elder if you have any questions about how to detect and protect from COVID-19 and what to do if you suspect someone in your household might be ill because of COVID-19.

OUTCOME

E `v1_date.Value.Month>=1`

OUTCOME OF VISIT 1

E `v1_date.Value.Month>=1`

Outcome of visit 1	SINGLE-SELECT	v1_out
I Please say Thank you - whether completed or not	01 ◯ Completed questionnaire	
	02 ◯ Partially completed / postponed interview (revisit)	
	03 ◯ Partially completed (respondent refused after starting)	
	04 ◯ No available respondent at household (revisit)	
	05 ◯ Female respondent not available now (revisit)	
	06 ◯ Mother / caregiver not available now (revisit)	
	08 ◯ Refused	
	09 ◯ Household not known / not found / non-existent / has moved	
	10 ◯ Household did not pass the COVID-19 screening questions	

INTERVIEWER: Reschedule the date to complete the interview	DATE	rschdl1
E `v1_out.InList(2,4,5,6,10)` V1 `self>=v1_date` M1 Cannot be before date of visit 1		

INTERVIEWER: Reschedule the time to complete the interview	TEXT	rschdl_t1
I Please enter the rescheduled time for the day. Enter the hour of the day before 'hh' and the minutes before 'mm'. E `v1_out.InList(2,4,5,6,10)`		

INTERVIEWER: Record name of the contact for future visits	TEXT	cntcnm1
E `v1_out.InList(1,2,4,5,6,10)`		

INTERVIEWER: Record contact telephone number for future visits	TEXT	phone1
I Enter 0 and then the phone number. Plese enter 0 999 999 999 if refused or does not have a phone number E `v1_out.InList(1,2,4,5,6,10)` V1 `self.Length>=10 && self.Length<=13` M1 The number of digits is out of range. Please check		

INTERVIEWER: Record an alternative contact name who has a telephone number	TEXT	cntcnmalt1
I Record name of the contact. Enter -99 if refused E `phone1=="0 999 999 999" && v1_out.InList(1,2,4,5,6,10)`		

INTERVIEWER: Record an alternative telephone number for future visits I Enter 0 and then the phone number. Plese enter 0 999 999 999 if refused or does not have a phone number E `cntcnmalt1!="-99" && v1_out.InList(1,2,4,5,6,10)` V1 `self.Length>=10 && self.Length<=13` M1 The number of digits is out of range. Please check	TEXT altphone1 ....
RECORD GPS IN FRONT OF THE DWELLING (OUTSIDE)	GPS v1_gps1 N ---------------------------- W ---------------------------- A ----------------------------
RECORD GPS IN FRONT OF THE DWELLING (OUTSIDE)	GPS v1_gps2 N ---------------------------- W ---------------------------- A ----------------------------
End time of interview	DATE: CURRENT TIME int_end1 ....

OUTCOME
OUTCOME OF VISIT 2

E `v2_date.Value.Month>=1`

Outcome of visit 2 I Please say Thank you - whether completed or not	SINGLE-SELECT v2_out 01 ◯ Completed questionnaire 02 ◯ Partially completed / postponed interview (revisit) 03 ◯ Partially completed (respondent refused after starting) 04 ◯ No available respondent at household (revisit) 05 ◯ Female respondent not available now (revisit) 06 ◯ Mother / caregiver not available now (revisit) 08 ◯ Refused 09 ◯ Household not known / not found / non-existent / has moved 10 ◯ Household already interviewed 11 ◯ Household did not pass the COVID-19 screening questions
INTERVIEWER: Reschedule the date to complete the interview E `v2_out.InList(2,4,5,6,11)` V1 `self>=v2_date` M1 Cannot be before date of visit 2	DATE rschdl2 ....

INTERVIEWER: Reschedule the time to complete the interview	TEXT	rschdl_t2

I Please enter the rescheduled time for the day. Enter the hour of the day before 'hh' and the minutes before 'mm'.
E v2_out.InList(2,4,5,6,11)

INTERVIEWER: Record name of the contact for future visits	TEXT	cntcnm2

E v2_out.InList(1,2,4,5,6,11)

INTERVIEWER: Record contact telephone number for future visits	TEXT	phone2

I Enter 0 and then the phone number. Plese enter 0 999 999 999 if refused or does not have a phone number
E v2_out.InList(1,2,4,5,6,11)
V1 self.Length>=10 && self.Length<=13
M1 The number of digits is out of range. Please check

INTERVIEWER: Record an alternative contact name who has a telephone number	TEXT	cntcnmalt2

I Record name of the contact. Enter -99 if refused
E phone2=="0 999 999 999" && v2_out.InList(1,2,4,5,6,11)

INTERVIEWER: Record an alternative telephone number for future visits	TEXT	altphone2

I Enter 0 and then the phone number. Plese enter 0 999 999 999 if refused or does not have a phone number
E cntcnmalt2!="-99" && v2_out.InList(1,2,4,5,6,11)
V1 self.Length>=10 && self.Length<=13
M1 The number of digits is out of range. Please check

RECORD GPS IN FRONT OF THE DWELLING (OUTSIDE)	GPS	v2_gps1

N

W

A

RECORD GPS IN FRONT OF THE DWELLING (OUTSIDE)	GPS	v2_gps2

N

W

A

End time of interview	DATE: CURRENT TIME	int_end2

OUTCOME
OUTCOME OF VISIT 3

E v3_date.Value.Month>=1

Outcome of visit 3	SINGLE-SELECT	v3_out

I Please say Thank you - whether completed or not

- 01 ◯ Completed questionnaire
- 02 ◯ Partially completed / postponed interview (revisit)
- 03 ◯ Partially completed (respondent refused after starting)
- 04 ◯ No available respondent at household (revisit)
- 05 ◯ Female respondent not available now (revisit)
- 06 ◯ Mother / caregiver not available now (revisit)
- 08 ◯ Refused
- 09 ◯ Household not known / not found / non-existent / has moved
- 10 ◯ Household already interviewed
- 11 ◯ Household did not pass the COVID-19 screening questions

---

INTERVIEWER: Reschedule the date to complete the interview

DATE   rschdl3

E   v3_out.InList(2,4,5,6,11)
V1   self>=v3_date
M1   Cannot be before date of visit 3

INTERVIEWER: Reschedule the time to complete the interview

TEXT   rschdl_t3

I   Please enter the rescheduled time for the day. Enter the hour of the day before 'hh' and the minutes before 'mm'.
E   v3_out.InList(2,4,5,6,11)

INTERVIEWER: Record name of the contact for future visits

TEXT   cntcnm3

E   v3_out.InList(1,2,4,5,6,11)

INTERVIEWER: Record contact telephone number for future visits

TEXT   phone3

I   Enter 0 and then the phone number. Plese enter 0 999 999 999 if refused or does not have a phone number
E   v3_out.InList(1,2,4,5,6,11)
V1   self.Length>=10 && self.Length<=13
M1   The number of digits is out of range. Please check

INTERVIEWER: Record an alternative contact name who has a telephone number

TEXT   cntcnmalt3

I   Record name of the contact. Enter -99 if refused
E   phone3=="0 999 999 999" && v3_out.InList(1,2,4,5,6,11)

INTERVIEWER: Record an alternative telephone number for future visits

TEXT   altphone3

I   Enter 0 and then the phone number. Plese enter 0 999 999 999 if refused or does not have a phone number
E   cntcnmalt3!="-99" && v3_out.InList(1,2,4,5,6,11)
V1   self.Length>=10 && self.Length<=13
M1   The number of digits is out of range. Please check

RECORD GPS IN FRONT OF THE DWELLING (OUTSIDE)	GPS	v3_gps1
	N ------------------------------	
	W ------------------------------	
	A ------------------------------	

RECORD GPS IN FRONT OF THE DWELLING (OUTSIDE)	GPS	v3_gps2
	N ------------------------------	
	W ------------------------------	
	A ------------------------------	

End time of interview	DATE: CURRENT TIME	int_end3
	....	

OUTCOME
OUTCOME OF VISIT 4
E v4_date.Value.Month>=1

Outcome of visit 4	SINGLE-SELECT	v4_out
I Please say Thank you - whether completed or not	01 ○ Completed questionnaire	
	02 ○ Partially completed / postponed interview (revisit)	
	03 ○ Partially completed (respondent refused after starting)	
	04 ○ No available respondent at household (revisit)	
	05 ○ Female respondent not available now (revisit)	
	06 ○ Mother / caregiver not available now (revisit)	
	08 ○ Refused	
	09 ○ Household not known / not found / non-existent / has moved	
	10 ○ Household already interviewed	
	11 ○ Household did not pass the COVID-19 screening questions	

INTERVIEWER: Reschedule the date to complete the interview	DATE	rschdl4
E v4_out.InList(2,4,5,6,11) V1 self>=v4_date M1 Cannot be before date of visit 2	....	

INTERVIEWER: Reschedule the time to complete the interview	TEXT	rschdl_t4
I Please enter the rescheduled time for the day. Enter the hour of the day before 'hh' and the minutes before 'mm'. E v4_out.InList(2,4,5,6,11)	....	

INTERVIEWER: Record name of the contact for future visits	TEXT	cntcnm4
E v4_out.InList(1,2,4,5,6,11)	....	

INTERVIEWER: Record contact telephone number for future visits	TEXT	phone4

I Enter 0 and then the phone number. Plese enter 0 999 999 999 if refused or does not have a phone number
E `v4_out.InList(1,2,4,5,6,11)`
V1 `self.Length>=10 && self.Length<=13`
M1 The number of digits is out of range. Please check

INTERVIEWER: Record an alternative contact name who has a telephone number	TEXT	cntcnmalt4

I Record name of the contact. Enter -99 if refused
E `phone4=="0 999 999 999" && v4_out.InList(1,2,4,5,6,11)`

INTERVIEWER: Record an alternative telephone number for future visits	TEXT	altphone4

I Enter 0 and then the phone number. Plese enter 0 999 999 999 if refused or does not have a phone number
E `cntcnmalt4!="-99" && v4_out.InList(1,2,4,5,6,11)`
V1 `self.Length>=10 && self.Length<=13`
M1 The number of digits is out of range. Please check

RECORD GPS IN FRONT OF THE DWELLING (OUTSIDE)	GPS	v4_gps1

N

W

A

RECORD GPS IN FRONT OF THE DWELLING (OUTSIDE)	GPS	v4_gps2

N

W

A

End time of interview	DATE: CURRENT TIME	int_end4

OUTCOME OF VISIT 5

E `v5_date.Value.Month>=1`

Outcome of visit 5	SINGLE-SELECT	v5_out

I Please say Thank you - whether completed or not

- 01 ⭕ Completed questionnaire
- 02 ⭕ Partially completed / postponed interview
- 03 ⭕ Partially completed (respondent refused after starting)
- 04 ⭕ No available respondent at household
- 05 ⭕ Female respondent not available now
- 06 ⭕ Mother / caregiver not available now
- 08 ⭕ Refused
- 09 ⭕ Household not known / not found / non-existent / has moved
- 10 ⭕ Household already interviewed
- 11 ⭕ Household did not pass the COVID-19 screening questions

---

INTERVIEWER: Record name of the contact for future visits

TEXT   cntcnm5

E `v5_out.InList(1,2,4,5,6,11)`

INTERVIEWER: Record contact telephone number for future visits

TEXT   phone5

I Enter 0 and then the phone number. Plese enter 0 999 999 999 if refused or does not have a phone number
E `v5_out.InList(1,2,4,5,6,11)`
V1 `self.Length>=10 && self.Length<=13`
M1 The number of digits is out of range. Please check

INTERVIEWER: Record an alternative contact name who has a telephone number

TEXT   cntcnmalt5

I Record name of the contact. Enter -99 if refused
E `phone5=="0 999 999 999" && v5_out.InList(1,2,4,5,6,11)`

INTERVIEWER: Record an alternative telephone number for future visits

TEXT   altphone5

I Enter 0 and then the phone number. Plese enter 0 999 999 999 if refused or does not have a phone number
E `cntcnmalt5!="-99" && v5_out.InList(1,2,4,5,6,11)`
V1 `self.Length>=10 && self.Length<=13`
M1 The number of digits is out of range. Please check

RECORD GPS IN FRONT OF THE DWELLING (OUTSIDE)

GPS   v5_gps1

N

W

A

RECORD GPS IN FRONT OF THE DWELLING (OUTSIDE)

GPS   v5_gps2

N

W

A

End time of interview	DATE: CURRENT TIME	int_end5
	▪···▪	

APPENDIX A — ENABLING CONDITIONS

[1] buy_morepower: Would you consider purchasing an additional solar device (in addition to the one you have from the Mwangaza Mashinani project) that is more powerful? By more powerful we mean that it could provide a much higher level of brightness and allow you to power larger devices than just a mobile phone.
Enablement Condition:

```
solarpurchase_int.Yes.Contains(1) || solarpurchase_int.Yes.Contains(2) || solarpurchase_int.Yes.Contains(3) ||
solarpurchase_int2.Yes.Contains(1) || solarpurchase_int2.Yes.Contains(2) || solarpurchase_int2.Yes.Contains(3)
```

APPENDIX B — VALIDATION CONDITIONS AND MESSAGES

[1] treat: Is this household part of the Mwangaza Mashinani project? Households who are part of the Mwangaza Mashinani project would have received a solar home system from either BioLite or d.Light providers. They would have also received a cash top-up to their Inua Jamii payment and been expected to make payments to the solar device providers over a period of time.

Validation Condition:

```
(self==2 && (subcounty==3 || subcounty==6) && (subcounty_new==3 || subcounty_new==6 || subcounty_change==1)) ||
((self==1 || self==2) && (subcounty.InList(1,2,4,5,7) || subcounty_new.InList(1,2,4,5,7)))
```

Validation Message: Warning: are you sure a household in a control subcounty was part of the Mwangaza project??

APPENDIX C — INSTRUCTIONS

[1] workpay: How much did %memdetroster% earn from %incroster% in the last 30 days (in KSHS)?

Enter -98 if the respondent refuses This should include in-kind payments. If %memdetroster% was paid in-kind for this work, calculate the value of the goods received in KSHS. Try to help the respondent calculate monthly earnings. If they do not know, type -99.

[2] remitamntint: How much money (in KSHS), on average, do your family members or relatives living in another household inside Kenya send to you/this household for your use each time?

This should include the value of any payments made on behalf of the household (e.g. family member or relative paid school fees, medical bills). Enter -98 if the respondent refuses Try to help the respondent calculate the remittance amount. If they do not know, type -99.

[3] remitamntext: How much money (in KSHS), on average, do your family members or relatives living OUTSIDE Kenya send to you/this household for your use each time?

This should include the value of any payments made on behalf of the household (e.g. family member or relative paid school fees, medical bills). Enter -98 if the respondent refuses Try to help the respondent calculate the remittance amount. If they do not know, type -99.

[4] remitamntfrnd: How much money (in KSHS), on average, do your friends living inside Kenya or outside Kenya send to you/this household for your use each time?

This should include the value of any payments made on behalf of the household (e.g. friend paid school fees, medical bills). Enter -98 if the respondent refuses Try to help the respondent calculate the remittance amount. If they do not know, type -99.

[5] eduexpval: How much was spent overall on education since schools reopened in January 2021 until the end of March 2021? (in KSHS)

This should be the total expenditure for the months of January, February and March 2021 for all school going children. School going children are those who are under 19 years old (pre-primary, primary or secondary school). If don't know, record -99.

[6] devicetype: Which solar device did you/your household receive at the beginning of the Mwangaza Mashinani project?

If the household received more than one device from the Mwangaza Mashinani project, then please select all devices received but RECORD THE ANSWERS IN ORDER OF THE MOST USED DEVICE. That is, ask the household which of the devices they use the most and record that first, and then select the other device.

[7] deviceavb: Does your household still have the solar device from the Mwangaza Mashinani project?

If the original device was later substituted by the project/solar provider for another device that was exactly the same (same brand and same features), then report Yes to this question. If the original device was replaced by the household with another type of device then report No to this question. If the device is currently at the repair shop, then count this as 'Yes'.

[8] solar_lifespan: How long do you think the solar device can remain functioning under normal use conditions, if it is properly maintained from time to time? Report in years.

This refers to the lifespan of the entire device and not the battery or other individual components. Properly maintaining the device might require replacing the battery and other components when they stop working. Lifespan is reached when the entire device needs to be replaced.

[9] add_income: Besides charging other households' mobile phones, has your household earned any additional income using the solar device from the Mwangaza Mashinani project?

Additional to the income that you were earning before you received the device. This could include for example household renting out the device to someone else in the community or being able to work more hours and therefore earn more money because of the availability of light at night.

[10] grvnc_cnt: Besides any repair you have done on the solar device, have you contacted anyone from the community or the programme about any other issue you have faced with the device since last September 2020?

While this does not include cases where household took the device to be repaired, it could include cases where household consulted someone in the community or programme about a problem with their device before then taking it for repair.

[11] ovcben: Do you/this household still receive any regular cash transfers from the government for the children in the households or for the elderly members of the household or for household members with a disability?

Probe to find out whether the households receives the orphans and vulnerable children transfer (CT-OVC) or the old persons cash transfer (OP-CT) or the person with severe disability cash transfer (PWSD-CT). Select ALL that apply.

APPENDIX D — CATEGORIES

[1] location: Location - PREFILLED
Categories: 1：Abakaile, 2：Balambala, 3：Bandari, 4：Bulushi, 5：Bungale, 6：Chakama, 7：Dadaab, 8：Dagahley, 9：Dagamra, 10：Damajale, 11：Danyere, 12：Dertu, 13：Diiso, 14：Fafi, 15：Gandini, 16：Garissa, 17：Hagarbul, 18：Hara, 19：Jarajara, 20：Kayafungo, 21：Kilifi, 22：Kulan, 23：Kumahumato, 24：Labisigale, 25：Libahlow, 26：Liboi, 27：Mansabubu, 28：Masalani, 29：Mitangani, 30：Mtsara wa tsatsu, 31：Mwahera, 32：Sikley, 33：Tsangatsini, 34：Welmerer, 35：Bura, 36：Nanighi, 37：Alikune, 38：Baraki, 39：Kamuthe, 40：Meanera, 41：Dujis

[2] subloc: Sub-location - PREFILLED
Categories: 1：Abakaile, 2：Abaqdera, 3：Alinjugur, 4：Bahuri, 5：Balambala, 6：Baraki, 7：Baricho, 8：Bate, 9：Boransis, 10：Bungale, 11：Bura, 13：Chira, 14：Dadaab, 15：Dakacha, 16：Dangarani, 17：Dertu, 18：Diiso, 19：Dujis, 20：Dzikunze, 21：Gandini, 22：Gede, 23：Goshi, 24：Gumarey, 25：Guyo, 26：Hara, 27：Hagarbul, 28：Jambele, 29：Jara Jara, 30：Kaembeni, 31：Kamuthe, 32：Karimani, 33：Kaya, 34：Kayafungo, 35：Keresa, 36：Kidemu, 37：Kisiki, 38：Kk, 39：Kumahumato, 40：Labisigale, 41：Libahilow, 42：Makongeni, 43：Mansabubu, 44：Masalani, 45：Matolani, 46：Mbala mweni, 47：Midoina, 48：Migujini, 49：Mikamini, 50：Mitangani, 51：Mitsemerini, 52：Mnagoni, 53：Mnyenzeni, 54：Mrimani, 55：Muhumed Dahir, 56：Mwahera, 57：Mwanamwinga, 58：Mwangea, 59：Myenzeni, 60：Nambani, 61：Nanighi, 62：Ndugumnani, 63：Sikley, 64：Tsangatsini, 65：Urgad, 66：Wacho, 67：Warable, 68：Welhar, 69：Alikune, 70：Ashadin, 71：Bandari, 72：Dagahaley, 73：Dagamra, 74：Dagoob, 75：Danyere, 76：Kone, 77：Miyani, 78：Mudey, 79：Saretho, 80：Shidley, 81：Torabora, 82：Wakala

[3] location_new: INTERVIEWER: In which location is the household living now?
Categories: 1：Abakaile, 2：Balambala, 3：Bandari, 4：Bulushi, 5：Bungale, 6：Chakama, 7：Dadaab, 8：Dagahley, 9：Dagamra, 10：Damajale, 11：Danyere, 12：Dertu, 13：Diiso, 14：Fafi, 15：Gandini, 16：Garissa, 17：Hagarbul, 18：Hara, 19：Jarajara, 20：Kayafungo, 21：Kilifi, 22：Kulan, 23：Kumahumato, 24：Labisigale, 25：Libahlow, 26：Liboi, 27：Mansabubu, 28：Masalani, 29：Mitangani, 30：Mtsara wa tsatsu, 31：Mwahera, 32：Sikley, 33：Tsangatsini, 34：Welmerer, 35：Bura, 36：Nanighi, 37：Alikune, 38：Baraki, 39：Kamuthe, 40：Meanera, 41：Dujis, 88：OTHER

[4] subloc_new: INTERVIEWER: In which sub-location is the household living now?
Categories: 1：Abakaile, 2：Abaqdera, 3：Alinjugur, 4：Bahuri, 5：Balambala, 6：Baraki, 7：Baricho, 8：Bate, 9：Boransis, 10：Bungale, 11：Bura, 13：Chira, 14：Dadaab, 15：Dakacha, 16：Dangarani, 17：Dertu, 18：Diiso, 19：Dujis, 20：Dzikunze, 21：Gandini, 22：Gede, 23：Goshi, 24：Gumarey, 25：Guyo, 26：Hara, 27：Hagarbul, 28：Jambele, 29：Jara Jara, 30：Kaembeni, 31：Kamuthe, 32：Karimani, 33：Kaya, 34：Kayafungo, 35：Keresa, 36：Kidemu, 37：Kisiki, 38：Kk, 39：Kumahumato, 40：Labisigale, 41：Libahilow, 42：Makongeni, 43：Mansabubu, 44：Masalani, 45：Matolani, 46：Mbala mweni, 47：Midoina, 48：Migujini, 49：Mikamini, 50：Mitangani, 51：Mitsemerini, 52：Mnagoni, 53：Mnyenzeni, 54：Mrimani, 55：Muhumed Dahir, 56：Mwahera, 57：Mwanamwinga, 58：Mwangea, 59：Myenzeni, 60：Nambani, 61：Nanighi, 62：Ndugumnani, 63：Sikley, 64：Tsangatsini, 65：Urgad, 66：Wacho, 67：Warable, 68：Welhar, 69：Alikune, 70：Ashadin, 71：Bandari, 72：Dagahaley, 73：Dagamra, 74：Dagoob, 75：Danyere, 76：Kone, 77：Miyani, 78：Mudey, 79：Saretho, 80：Shidley, 81：Torabora, 82：Wakala, 88：OTHER

[5] edugrd2019: What school grade/class was %memdetroster% attending in the 2019 school year?
Categories: 0：PRE-SCHOOL, 1：PRIMARY STD.1, 2：PRIMARY STD.2, 3：PRIMARY STD.3, 4：PRIMARY STD.4, 5：PRIMARY STD.5, 6：PRIMARY STD.6, 7：PRIMARY STD.7, 8：PRIMARY STD.8, 9：SECONDARY FORM 1, 10：SECONDARY FORM 2, 11：SECONDARY FORM 3, 12：SECONDARY FORM 4, 13：SECONDARY FORM 5, 14：SECONDARY FORM 6, 15：UNIVERSITY 1, 16：UNIVERSITY 2, 17：UNIVERSITY 3, 18：UNIVERSITY 4, 19：UNIVERSITY 5 and above, 20：TERTIARY/COLLEGE/POLYTECH, 21：MADRASA ONLY, 88：Other

[6] edugrdly: What school grade/class was %memdetroster% attending in January to December 2020?
Categories: 0：PRE-SCHOOL, 1：PRIMARY STD.1, 2：PRIMARY STD.2, 3：PRIMARY STD.3, 4：PRIMARY STD.4, 5：PRIMARY STD.5, 6：PRIMARY STD.6, 7：PRIMARY STD.7, 8：PRIMARY STD.8, 9：SECONDARY FORM 1, 10：SECONDARY FORM 2, 11：SECONDARY FORM 3, 12：SECONDARY FORM 4, 13：SECONDARY FORM 5, 14：SECONDARY FORM 6, 15：UNIVERSITY 1, 16：UNIVERSITY 2, 17：UNIVERSITY 3, 18：UNIVERSITY 4, 19：UNIVERSITY 5 and above, 20：TERTIARY/COLLEGE/POLYTECH, 21：MADRASA ONLY, 88：Other

[7] edugrd: What is the grade/class %memdetroster% was enrolled in from January to March 2021?
Categories: 0：PRE-SCHOOL, 1：PRIMARY STD.1, 2：PRIMARY STD.2, 3：PRIMARY STD.3, 4：PRIMARY STD.4, 5：PRIMARY STD.5, 6：PRIMARY STD.6, 7：PRIMARY STD.7, 8：PRIMARY STD.8, 9：SECONDARY FORM 1, 10：SECONDARY FORM 2, 11：SECONDARY FORM 3, 12：SECONDARY FORM 4, 13：SECONDARY FORM 5, 14：SECONDARY FORM 6, 15：UNIVERSITY 1, 16：UNIVERSITY 2, 17：UNIVERSITY 3, 18：UNIVERSITY 4, 19：UNIVERSITY 5 and above, 20：TERTIARY/COLLEGE/POLYTECH, 21：MADRASA ONLY, 88：Other

[8] edudrop: What is the main reason %memdetroster% stopped or never attended school?
Categories: 1：STILL TOO YOUNG TO ATTEND SCHOOL, 2：NO MONEY FOR SCHOOL COSTS, 3：POOR QUALITY OF SCHOOLS, 4：OWN ILLNESS/DISABILITY, 5：FAMILY ILLNESS/DISABILITY, 6：NOT INTERESTED, LAZY, 7：PARENTS DID NOT WANT THE CHILD TO ATTEND, 8：HAD TO WORK OR HELP AT HOME, 9：SCHOOL TOO FAR FROM HOME, 10：SCHOOL CONFLICT WITH BELIEFS, 11：NOT ABLE TO STUDY AND DO HOMEWORK AT HOME, 12：HOUSEHOLD MEMBER GOT MARRIED, 13：HAVE ENOUGH EDUCATION, 14：SCHOOL CLOSED BECAUSE OF COVID-19, 15：WORRIED ABOUT EXPOSURE TO COVID-19, 16：SCHOOLS OPEN BUT TEACHERS NOT ATTENDING BECAUSE OF COVID-19, 17：TRANSPORT WAS DISRUPTED BECAUSE OF COVID-19, 18：HOUSEHOLD MEMBER GOT PREGNANT/HAD A BABY, 19：CHILD BEYOND SCHOOL AGE, 88：OTHER

[9] eduwithr: What was the MAIN reason for %memdetroster% temporarily not attending school?
Categories: 2：NO MONEY FOR SCHOOL COSTS, 3：POOR QUALITY OF SCHOOLS, 4：OWN ILLNESS/DISABILITY, 5：FAMILY ILLNESS/DISABILITY, 6：NOT INTERESTED, LAZY, 7：HAD TO WORK OR HELP AT HOME, 8：SCHOOL TOO FAR FROM HOME, 9：SCHOOL CONFLICT WITH BELIEFS, 10：NOT ABLE TO STUDY AND DO HOMEWORK AT HOME, 11：HOUSEHOLD MEMBER GOT MARRIED, 12：SCHOOL CLOSED TEMPORARILY BECAUSE OF COVID-19, 13：WORRIED ABOUT EXPOSURE TO COVID-19, 14：HAD SYMPTOMS OF COVID-19 / WAS INFECTED WITH COVID-19, 15：TRANSPORT WAS DISRUPTED BECAUSE OF COVID-19, 16：TEACHERS DID NOT ATTEND BECAUSE OF COVID-19, 17：HOUSEHOLD MEMBER GOT PREGNANT/HAD A BABY, 88：OTHER

[10] workocc: What type of work does %memdetroster% do?
Categories: 1：Herding/Livestock producer (for yourself/unpaid), 2：Herding/Livestock producer (paid), 3：Livestock trader, 4：Farming/Agricultural producer, 5：Farming for own consumption, 6：Fishmonger, fisherman (paid), 7：Fishing for own consumption, 8：Teacher at school, 9：Tutor (self-employed), 10：Religious teacher/leader (at madrasa), 11：Religious tutor (self-employed), 12：Handicraft workers, 13：Potters, Glass-Makers and Related Trades Workers, 14：Butchers, Fishmongers and Related Food Preparers, 15：Bakers, Pastry-Cooks and Confectionery Makers, 16：Woodworking Trades Workers, 17：Textile, Garment and Related Trades Workers (in a factory), 18：Small scale business e.g. (tailors, dressmake

rs, salon, kiosk owner, boda boda and related) (self-employed), 19:Shoe-Making, Shoe repairs and Related Trades Workers, 20:Shoe Cleaning, 21:Cleaners, Launderers and Domestic Workers (paid), 22:Unpaid domestic work (taking care of children/elderly/sick, cooking, cleaning), 23:Building Caretakers, 24:Messengers, Porters, Watchmen and Related Workers, 25:Labourers in Mining, Construction, Manufacturing, Agriculture, and Transport, 26:Public official (incl. armed forces, police), 27:Street and market vendors, 28:Unpaid work in family business, 29:Collecting bush products, 30:Collecting water, 31:Collecting firewood or other fuel materials, 32:Collecting nuts or other tree fruits, honey, or other products from forests, either for food consumption or medicine, 88:Other (specify)

[11] assets: Does the household own any of the following items?
Categories: 1:Jiko, 2:Kerosene stove, 3:Leather/ stick bed, 4:Mattress, 5:Hides, 6:Metal box/ trunk, 7:Basket, 8:Mosquito net, 9:Gourd, 10:Bucket, 11:Mat (Mkeka), 12:Saw, 13:Torch/ electric lamp, 14:Jerry can (3l, 5l, 10l, 20l), 15:Radio (stand alone), 16:Other jewellery (gold, silver), 17:Bicycle, 18:Wristwatch, 19:Solar panel/charger/lantern, 20:Paraffin lamps/Tin Lamp, 21:Paraffin lantern, 22:Modern chair/stool, 23:Modern table, 24:Modern bed (wood/metal), 25:Sofa set, 26:Wardrobe, 27:Chest of drawers, 28:Shelves, 29:Motorcycle/scooter, 30:Television, 31:Satellite Dish, 32:Mobile phone

[12] lightsolarben: What do you think the main benefits of using solar lighting sources are?
Categories: 1:Reduced spend on kerosene / candles / batteries (cheaper), 2:It is better for my family's respiratory health (e.g. breathing, coughing, wheezing), 3:It is better for my family's eye health / less eye irritation, 4:My family experiences fewer burns due to lighting fuel, 5:Less smoke in the house, 6:It helps me do productive work after dark, 7:It has a lower environmental impact, 8:It makes me feel safer (i.e. personal safety reasons), 9:It deters pests (e.g. rats), 10:It allows my children to study when its dark, 11:It allows for increased leisure time, 12:They are brighter / better quality lighting / reliable, 13:It can be used to charge mobile phones / radios / other devices, 14:There is a lower risk of fire in the house, 15:Reduced time spent looking for other energy sources such as wood (go to the forest and fetch it), 16:It allows household members to do household chores after dark, 17:Improved quality of sleep at night, 18:It allows household to earn more money, 88:Other, -99:Don't know

[13] asawbend: What do you think the main benefits of solar lighting sources would be?
Categories: 1:They would reduce spend on kerosene / candles / batteries (cheaper), 2:It would be better for my family's respiratory health (e.g. breathing, coughing, wheezing), 3:It would be better for my family's eye health / less eye irritation, 4:My family would experience fewer burns due to lighting fuel, 5:It would create less smoke in the house, 6:It would help me do productive work after dark, 7:It has a lower environmental impact, 8:It would make me feel safer (i.e. personal safety reasons), 9:It would deter pests (e.g. rats), 10:It would allow my children to study when its dark, 11:It would allow for increased leisure time, 12:They are brighter / better quality lighting / reliable, 13:It could be used to charge mobile phones / radios / other devices, 14:There would be a lower risk of fire in the house, 15:I could reduce the time I spend looking for other energy sources such as wood (go to the forest and fetch it), 16:It would allow household members to do household chores after dark, 17:It would improve the quality of sleep at night, 88:Other, -99:Don't know

[14] time_45: How do you usually spend your time between 03:00 and 03:30?
Categories: 1:Get ready, 2:Prepare meals/eat meals, 3:Attend to children, 4:Get children ready for school, 5:Care for children, sick, elderly, disabled, 6:Do laundry, 7:Clean utensils, 8:Clean dwelling / homestead, 9:Maintain / repair dwelling, 10:Fetch water, 11:Collect firewood, 12:Buy household goods (incl. travel time), 13:Go to the farm or work on the plot (not for pay), 14:Take care/feed animals/cut grass for fodder (not for pay), 15:Travel to/from work, 16:Time spent at work, 17:Other leisure activities (needle work/ knit/weave/make baskets/carve soap stones/tailor/repair clothes), 18:Take a walk, 19:Listen to radio, 20:Watch television, 21:Read, 22:Rest, 23:Religious activities (incl. pray), 24:Drink tea/coffee, 25:Attend some entertainment, 26:Visit a local club, 27:Study, 28:Meet with other women of my community, 29:Tell stories, 88:Other (specify)

[15] time_46: How do you usually spend your time between 03:30 and 04:00?
Categories: 1:Get ready, 2:Prepare meals/eat meals, 3:Attend to children, 4:Get children ready for school, 5:Care for children, sick, elderly, disabled, 6:Do laundry, 7:Clean utensils, 8:Clean dwelling / homestead, 9:Maintain / repair dwelling, 10:Fetch water, 11:Collect firewood, 12:Buy household goods (incl. travel time), 13:Go to the farm or work on the plot (not for pay), 14:Take care/feed animals/cut grass for fodder (not for pay), 15:Travel to/from work, 16:Time spent at work, 17:Other leisure activities (needle work/ knit/weave/make baskets/carve soap stones/tailor/repair clothes), 18:Take a walk, 19:Listen to radio, 20:Watch television, 21:Read, 22:Rest, 23:Religious activities (incl. pray), 24:Drink tea/coffee, 25:Attend some entertainment, 26:Visit a local club, 27:Study, 28:Meet with other women of my community, 29:Tell stories, 88:Other (specify)

[16] time_47: How do you usually spend your time between 04:00 and 04:30?
Categories: 1:Get ready, 2:Prepare meals/eat meals, 3:Attend to children, 4:Get children ready for school, 5:Care for children, sick, elderly, disabled, 6:Do laundry, 7:Clean utensils, 8:Clean dwelling / homestead, 9:Maintain / repair dwelling, 10:Fetch water, 11:Collect firewood, 12:Buy household goods (incl. travel time), 13:Go to the farm or work on the plot (not for pay), 14:Take care/feed animals/cut grass for fodder (not for pay), 15:Travel to/from work, 16:Time spent at work, 17:Other leisure activities (needle work/ knit/weave/make baskets/carve soap stones/tailor/repair clothes), 18:Take a walk, 19:Listen to radio, 20:Watch television, 21:Read, 22:Rest, 23:Religious activities (incl. pray), 24:Drink tea/coffee, 25:Attend some entertainment, 26:Visit a local club, 27:Study, 28:Meet with other women of my community, 29:Tell stories, 88:Other (specify)

[17] time_48: How do you usually spend your time between 04:30 and 05:00?
Categories: 1:Get ready, 2:Prepare meals/eat meals, 3:Attend to children, 4:Get children ready for school, 5:Care for children, sick, elderly, disabled, 6:Do laundry, 7:Clean utensils, 8:Clean dwelling / homestead, 9:Maintain / repair dwelling, 10:Fetch water, 11:Collect firewood, 12:Buy household goods (incl. travel time), 13:Go to the farm or work on the plot (not for pay), 14:Take care/feed animals/cut grass for fodder (not for pay), 15:Travel to/from work, 16:Time spent at work, 17:Other leisure activities (needle work/ knit/weave/make baskets/carve soap stones/tailor/repair clothes), 18:Take a walk, 19:Listen to radio, 20:Watch television, 21:Read, 22:Rest, 23:Religious activities (incl. pray), 24:Drink tea/coffee, 25:Attend some entertainment, 26:Visit a local club, 27:Study, 28:Meet with other women of my community, 29:Tell stories, 88:Other (specify)

[18] time_1: How do you usually spend your time between 05:00 and 05:30?
Categories: 1:Get ready, 2:Prepare meals/eat meals, 3:Attend to children, 4:Get children ready for school, 5:Care for children, sick, elderly, disabled, 6:Do laundry, 7:Clean utensils, 8:Clean dwelling / homestead, 9:Maintain / repair dwelling, 10:Fetch water, 11:Collect firewood, 12:Buy household goods (incl. travel time), 13:Go to the farm or work on the plot (not for pay), 14:Take care/feed animals/cut grass for fodder (not for pay), 15:Travel to/from work, 16:Time spent at work, 17:Other leisure activities (needle work/ knit/weave/make baskets/carve soap stones/tailor/repair clothes), 18:Take a walk, 19:Listen to radio, 20:Watch television, 21:Read, 22:Rest, 23:Religious activities (incl. pray), 24:Drink tea/coffee, 25:Attend some entertainment, 26:Visit a local club, 27:Study, 28:Meet with other women of my community, 29:Tell stories, 88:Oth

er (specify)

[19] time_2: How do you usually spend your time between 05:30 and 06:00?
Categories: 1:Get ready, 2:Prepare meals/eat meals, 3:Attend to children, 4:Get children ready for school, 5:Care for children, sick, elderly, disabled, 6:Do laundry, 7:Clean utensils, 8:Clean dwelling / homestead, 9:Maintain / repair dwelling, 10:Fetch water, 11:Collect firewood, 12:Buy household goods (incl. travel time), 13:Go to the farm or work on the plot (not for pay), 14:Take care/feed animals/cut grass for fodder (not for pay), 15:Travel to/from work, 16:Time spent at work, 17:Other leisure activities (needle work/ knit/weave/make baskets/carve soap stones/tailor/repair clothes), 18:Take a walk, 19:Listen to radio, 20:Watch television, 21:Read, 22:Rest, 23:Religious activities (incl. pray), 24:Drink tea/coffee, 25:Attend some entertainment, 26:Visit a local club, 27:Study, 28:Meet with other women of my community, 29:Tell stories, 88:Other (specify)

[20] time_3: How do you usually spend your time between 06:00 and 06:30?
Categories: 1:Get ready, 2:Prepare meals/eat meals, 3:Attend to children, 4:Get children ready for school, 5:Care for children, sick, elderly, disabled, 6:Do laundry, 7:Clean utensils, 8:Clean dwelling / homestead, 9:Maintain / repair dwelling, 10:Fetch water, 11:Collect firewood, 12:Buy household goods (incl. travel time), 13:Go to the farm or work on the plot (not for pay), 14:Take care/feed animals/cut grass for fodder (not for pay), 15:Travel to/from work, 16:Time spent at work, 17:Other leisure activities (needle work/ knit/weave/make baskets/carve soap stones/tailor/repair clothes), 18:Take a walk, 19:Listen to radio, 20:Watch television, 21:Read, 22:Rest, 23:Religious activities (incl. pray), 24:Drink tea/coffee, 25:Attend some entertainment, 26:Visit a local club, 27:Study, 28:Meet with other women of my community, 29:Tell stories, 88:Other (specify)

[21] time_4: How do you usually spend your time between 06:30 and 07:00?
Categories: 1:Get ready, 2:Prepare meals/eat meals, 3:Attend to children, 4:Get children ready for school, 5:Care for children, sick, elderly, disabled, 6:Do laundry, 7:Clean utensils, 8:Clean dwelling / homestead, 9:Maintain / repair dwelling, 10:Fetch water, 11:Collect firewood, 12:Buy household goods (incl. travel time), 13:Go to the farm or work on the plot (not for pay), 14:Take care/feed animals/cut grass for fodder (not for pay), 15:Travel to/from work, 16:Time spent at work, 17:Other leisure activities (needle work/ knit/weave/make baskets/carve soap stones/tailor/repair clothes), 18:Take a walk, 19:Listen to radio, 20:Watch television, 21:Read, 22:Rest, 23:Religious activities (incl. pray), 24:Drink tea/coffee, 25:Attend some entertainment, 26:Visit a local club, 27:Study, 28:Meet with other women of my community, 29:Tell stories, 88:Other (specify)

[22] time_5: How do you usually spend your time between 07:00 and 07:30?
Categories: 1:Get ready, 2:Prepare meals/eat meals, 3:Attend to children, 4:Get children ready for school, 5:Care for children, sick, elderly, disabled, 6:Do laundry, 7:Clean utensils, 8:Clean dwelling / homestead, 9:Maintain / repair dwelling, 10:Fetch water, 11:Collect firewood, 12:Buy household goods (incl. travel time), 13:Go to the farm or work on the plot (not for pay), 14:Take care/feed animals/cut grass for fodder (not for pay), 15:Travel to/from work, 16:Time spent at work, 17:Other leisure activities (needle work/ knit/weave/make baskets/carve soap stones/tailor/repair clothes), 18:Take a walk, 19:Listen to radio, 20:Watch television, 21:Read, 22:Rest, 23:Religious activities (incl. pray), 24:Drink tea/coffee, 25:Attend some entertainment, 26:Visit a local club, 27:Study, 28:Meet with other women of my community, 29:Tell stories, 88:Other (specify)

[23] time_6: How do you usually spend your time between 07:30 and 08:00?
Categories: 1:Get ready, 2:Prepare meals/eat meals, 3:Attend to children, 4:Get children ready for school, 5:Care for children, sick, elderly, disabled, 6:Do laundry, 7:Clean utensils, 8:Clean dwelling / homestead, 9:Maintain / repair dwelling, 10:Fetch water, 11:Collect firewood, 12:Buy household goods (incl. travel time), 13:Go to the farm or work on the plot (not for pay), 14:Take care/feed animals/cut grass for fodder (not for pay), 15:Travel to/from work, 16:Time spent at work, 17:Other leisure activities (needle work/ knit/weave/make baskets/carve soap stones/tailor/repair clothes), 18:Take a walk, 19:Listen to radio, 20:Watch television, 21:Read, 22:Rest, 23:Religious activities (incl. pray), 24:Drink tea/coffee, 25:Attend some entertainment, 26:Visit a local club, 27:Study, 28:Meet with other women of my community, 29:Tell stories, 88:Other (specify)

[24] time_7: How do you usually spend your time between 08:00 and 08:30?
Categories: 1:Get ready, 2:Prepare meals/eat meals, 3:Attend to children, 4:Get children ready for school, 5:Care for children, sick, elderly, disabled, 6:Do laundry, 7:Clean utensils, 8:Clean dwelling / homestead, 9:Maintain / repair dwelling, 10:Fetch water, 11:Collect firewood, 12:Buy household goods (incl. travel time), 13:Go to the farm or work on the plot (not for pay), 14:Take care/feed animals/cut grass for fodder (not for pay), 15:Travel to/from work, 16:Time spent at work, 17:Other leisure activities (needle work/ knit/weave/make baskets/carve soap stones/tailor/repair clothes), 18:Take a walk, 19:Listen to radio, 20:Watch television, 21:Read, 22:Rest, 23:Religious activities (incl. pray), 24:Drink tea/coffee, 25:Attend some entertainment, 26:Visit a local club, 27:Study, 28:Meet with other women of my community, 29:Tell stories, 88:Other (specify)

[25] time_8: How do you usually spend your time between 08:30 and 09:00?
Categories: 1:Get ready, 2:Prepare meals/eat meals, 3:Attend to children, 4:Get children ready for school, 5:Care for children, sick, elderly, disabled, 6:Do laundry, 7:Clean utensils, 8:Clean dwelling / homestead, 9:Maintain / repair dwelling, 10:Fetch water, 11:Collect firewood, 12:Buy household goods (incl. travel time), 13:Go to the farm or work on the plot (not for pay), 14:Take care/feed animals/cut grass for fodder (not for pay), 15:Travel to/from work, 16:Time spent at work, 17:Other leisure activities (needle work/ knit/weave/make baskets/carve soap stones/tailor/repair clothes), 18:Take a walk, 19:Listen to radio, 20:Watch television, 21:Read, 22:Rest, 23:Religious activities (incl. pray), 24:Drink tea/coffee, 25:Attend some entertainment, 26:Visit a local club, 27:Study, 28:Meet with other women of my community, 29:Tell stories, 88:Other (specify)

[26] time_9: How do you usually spend your time between 09:00 and 09:30?
Categories: 1:Get ready, 2:Prepare meals/eat meals, 3:Attend to children, 4:Get children ready for school, 5:Care for children, sick, elderly, disabled, 6:Do laundry, 7:Clean utensils, 8:Clean dwelling / homestead, 9:Maintain / repair dwelling, 10:Fetch water, 11:Collect firewood, 12:Buy household goods (incl. travel time), 13:Go to the farm or work on the plot (not for pay), 14:Take care/feed animals/cut grass for fodder (not for pay), 15:Travel to/from work, 16:Time spent at work, 17:Other leisure activities (needle work/ knit/weave/make baskets/carve soap stones/tailor/repair clothes), 18:Take a walk, 19:Listen to radio, 20:Watch television, 21:Read, 22:Rest, 23:Religious activities (incl. pray), 24:Drink tea/coffee, 25:Attend some entertainment, 26:Visit a local club, 27:Study, 28:Meet with other women of my community, 29:Tell stories, 88:Other (specify)

[27] time_10: How do you usually spend your time between 09:30 and 10:00?
Categories: 1:Get ready, 2:Prepare meals/eat meals, 3:Attend to children, 4:Get children ready for school, 5:Care for children, sick, elderly, disabled, 6:Do laundry, 7:Clean utensils, 8:Clean dwelling / homestead, 9:Maintain / repair dwelling, 10:Fetch water, 11:Collect firewood, 12:B

uy household goods (incl. travel time), 13 : Go to the farm or work on the plot (not for pay), 14 : Take care/feed animals/cut grass for fodder (not for pay), 15 : Travel to/from work, 16 : Time spent at work, 17 : Other leisure activities (needle work/ knit/weave/make baskets/carve soap stones/tailor/repair clothes), 18 : Take a walk, 19 : Listen to radio, 20 : Watch television, 21 : Read, 22 : Rest, 23 : Religious activities (incl. pray), 24 : Drink tea/coffee, 25 : Attend some entertainment, 26 : Visit a local club, 27 : Study, 28 : Meet with other women of my community, 29 : Tell stories, 88 : Other (specify)

[28] time_11: How do you usually spend your time between 10:00 and 10:30?
Categories: 1 : Get ready, 2 : Prepare meals/eat meals, 3 : Attend to children, 4 : Get children ready for school, 5 : Care for children, sick, elderly, disabled, 6 : Do laundry, 7 : Clean utensils, 8 : Clean dwelling / homestead, 9 : Maintain / repair dwelling, 10 : Fetch water, 11 : Collect firewood, 12 : Buy household goods (incl. travel time), 13 : Go to the farm or work on the plot (not for pay), 14 : Take care/feed animals/cut grass for fodder (not for pay), 15 : Travel to/from work, 16 : Time spent at work, 17 : Other leisure activities (needle work/ knit/weave/make baskets/carve soap stones/tailor/repair clothes), 18 : Take a walk, 19 : Listen to radio, 20 : Watch television, 21 : Read, 22 : Rest, 23 : Religious activities (incl. pray), 24 : Drink tea/coffee, 25 : Attend some entertainment, 26 : Visit a local club, 27 : Study, 28 : Meet with other women of my community, 29 : Tell stories, 88 : Other (specify)

[29] time_12: How do you usually spend your time between 10:30 and 11:00?
Categories: 1 : Get ready, 2 : Prepare meals/eat meals, 3 : Attend to children, 4 : Get children ready for school, 5 : Care for children, sick, elderly, disabled, 6 : Do laundry, 7 : Clean utensils, 8 : Clean dwelling / homestead, 9 : Maintain / repair dwelling, 10 : Fetch water, 11 : Collect firewood, 12 : Buy household goods (incl. travel time), 13 : Go to the farm or work on the plot (not for pay), 14 : Take care/feed animals/cut grass for fodder (not for pay), 15 : Travel to/from work, 16 : Time spent at work, 17 : Other leisure activities (needle work/ knit/weave/make baskets/carve soap stones/tailor/repair clothes), 18 : Take a walk, 19 : Listen to radio, 20 : Watch television, 21 : Read, 22 : Rest, 23 : Religious activities (incl. pray), 24 : Drink tea/coffee, 25 : Attend some entertainment, 26 : Visit a local club, 27 : Study, 28 : Meet with other women of my community, 29 : Tell stories, 88 : Other (specify)

[30] time_13: How do you usually spend your time between 11:00 and 11:30?
Categories: 1 : Get ready, 2 : Prepare meals/eat meals, 3 : Attend to children, 4 : Get children ready for school, 5 : Care for children, sick, elderly, disabled, 6 : Do laundry, 7 : Clean utensils, 8 : Clean dwelling / homestead, 9 : Maintain / repair dwelling, 10 : Fetch water, 11 : Collect firewood, 12 : Buy household goods (incl. travel time), 13 : Go to the farm or work on the plot (not for pay), 14 : Take care/feed animals/cut grass for fodder (not for pay), 15 : Travel to/from work, 16 : Time spent at work, 17 : Other leisure activities (needle work/ knit/weave/make baskets/carve soap stones/tailor/repair clothes), 18 : Take a walk, 19 : Listen to radio, 20 : Watch television, 21 : Read, 22 : Rest, 23 : Religious activities (incl. pray), 24 : Drink tea/coffee, 25 : Attend some entertainment, 26 : Visit a local club, 27 : Study, 28 : Meet with other women of my community, 29 : Tell stories, 88 : Other (specify)

[31] time_14: How do you usually spend your time between 11:30 and 12:00?
Categories: 1 : Get ready, 2 : Prepare meals/eat meals, 3 : Attend to children, 4 : Get children ready for school, 5 : Care for children, sick, elderly, disabled, 6 : Do laundry, 7 : Clean utensils, 8 : Clean dwelling / homestead, 9 : Maintain / repair dwelling, 10 : Fetch water, 11 : Collect firewood, 12 : Buy household goods (incl. travel time), 13 : Go to the farm or work on the plot (not for pay), 14 : Take care/feed animals/cut grass for fodder (not for pay), 15 : Travel to/from work, 16 : Time spent at work, 17 : Other leisure activities (needle work/ knit/weave/make baskets/carve soap stones/tailor/repair clothes), 18 : Take a walk, 19 : Listen to radio, 20 : Watch television, 21 : Read, 22 : Rest, 23 : Religious activities (incl. pray), 24 : Drink tea/coffee, 25 : Attend some entertainment, 26 : Visit a local club, 27 : Study, 28 : Meet with other women of my community, 29 : Tell stories, 88 : Other (specify)

[32] time_15: How do you usually spend your time between 12:00 and 12:30?
Categories: 1 : Get ready, 2 : Prepare meals/eat meals, 3 : Attend to children, 4 : Get children ready for school, 5 : Care for children, sick, elderly, disabled, 6 : Do laundry, 7 : Clean utensils, 8 : Clean dwelling / homestead, 9 : Maintain / repair dwelling, 10 : Fetch water, 11 : Collect firewood, 12 : Buy household goods (incl. travel time), 13 : Go to the farm or work on the plot (not for pay), 14 : Take care/feed animals/cut grass for fodder (not for pay), 15 : Travel to/from work, 16 : Time spent at work, 17 : Other leisure activities (needle work/ knit/weave/make baskets/carve soap stones/tailor/repair clothes), 18 : Take a walk, 19 : Listen to radio, 20 : Watch television, 21 : Read, 22 : Rest, 23 : Religious activities (incl. pray), 24 : Drink tea/coffee, 25 : Attend some entertainment, 26 : Visit a local club, 27 : Study, 28 : Meet with other women of my community, 29 : Tell stories, 88 : Other (specify)

[33] time_16: How do you usually spend your time between 12:30 and 13:00?
Categories: 1 : Get ready, 2 : Prepare meals/eat meals, 3 : Attend to children, 4 : Get children ready for school, 5 : Care for children, sick, elderly, disabled, 6 : Do laundry, 7 : Clean utensils, 8 : Clean dwelling / homestead, 9 : Maintain / repair dwelling, 10 : Fetch water, 11 : Collect firewood, 12 : Buy household goods (incl. travel time), 13 : Go to the farm or work on the plot (not for pay), 14 : Take care/feed animals/cut grass for fodder (not for pay), 15 : Travel to/from work, 16 : Time spent at work, 17 : Other leisure activities (needle work/ knit/weave/make baskets/carve soap stones/tailor/repair clothes), 18 : Take a walk, 19 : Listen to radio, 20 : Watch television, 21 : Read, 22 : Rest, 23 : Religious activities (incl. pray), 24 : Drink tea/coffee, 25 : Attend some entertainment, 26 : Visit a local club, 27 : Study, 28 : Meet with other women of my community, 29 : Tell stories, 88 : Other (specify)

[34] time_17: How do you usually spend your time between 13:00 and 13:30?
Categories: 1 : Get ready, 2 : Prepare meals/eat meals, 3 : Attend to children, 4 : Get children ready for school, 5 : Care for children, sick, elderly, disabled, 6 : Do laundry, 7 : Clean utensils, 8 : Clean dwelling / homestead, 9 : Maintain / repair dwelling, 10 : Fetch water, 11 : Collect firewood, 12 : Buy household goods (incl. travel time), 13 : Go to the farm or work on the plot (not for pay), 14 : Take care/feed animals/cut grass for fodder (not for pay), 15 : Travel to/from work, 16 : Time spent at work, 17 : Other leisure activities (needle work/ knit/weave/make baskets/carve soap stones/tailor/repair clothes), 18 : Take a walk, 19 : Listen to radio, 20 : Watch television, 21 : Read, 22 : Rest, 23 : Religious activities (incl. pray), 24 : Drink tea/coffee, 25 : Attend some entertainment, 26 : Visit a local club, 27 : Study, 28 : Meet with other women of my community, 29 : Tell stories, 88 : Other (specify)

[35] time_18: How do you usually spend your time between 13:30 and 14:00?
Categories: 1 : Get ready, 2 : Prepare meals/eat meals, 3 : Attend to children, 4 : Get children ready for school, 5 : Care for children, sick, elderly, disabled, 6 : Do laundry, 7 : Clean utensils, 8 : Clean dwelling / homestead, 9 : Maintain / repair dwelling, 10 : Fetch water, 11 : Collect firewood, 12 : Buy household goods (incl. travel time), 13 : Go to the farm or work on the plot (not for pay), 14 : Take care/feed animals/cut grass for fodder (not for pay), 15 : Travel to/from work, 16 : Time spent at work, 17 : Other leisure activities (needle work/ knit/weave/make baskets/carve soap stones/tailor/repair clothes), 18 : Take a walk, 19 : Listen to radio, 20 : Watch television, 21 : Read, 22 : Rest, 23 : Religious activities (incl. pray), 24 : Drink tea/coffee, 25 : Attend some entertainment, 26 : Visit a local club, 27 : Study, 28 : Meet with other women of my community, 29 : Tell stories, 88 : Other (specify)

[36] time_19: How do you usually spend your time between 14:00 and 14:30?
Categories: 1：Get ready, 2：Prepare meals/eat meals, 3：Attend to children, 4：Get children ready for school, 5：Care for children, sick, elderly, disabled, 6：Do laundry, 7：Clean utensils, 8：Clean dwelling / homestead, 9：Maintain / repair dwelling, 10：Fetch water, 11：Collect firewood, 12：Buy household goods (incl. travel time), 13：Go to the farm or work on the plot (not for pay), 14：Take care/feed animals/cut grass for fodder (not for pay), 15：Travel to/from work, 16：Time spent at work, 17：Other leisure activities (needle work/ knit/weave/make baskets/carve soap stones/tailor/repair clothes), 18：Take a walk, 19：Listen to radio, 20：Watch television, 21：Read, 22：Rest, 23：Religious activities (incl. pray), 24：Drink tea/coffee, 25：Attend some entertainment, 26：Visit a local club, 27：Study, 28：Meet with other women of my community, 29：Tell stories, 88：Other (specify)

[37] time_20: How do you usually spend your time between 14:30 and 15:00?
Categories: 1：Get ready, 2：Prepare meals/eat meals, 3：Attend to children, 4：Get children ready for school, 5：Care for children, sick, elderly, disabled, 6：Do laundry, 7：Clean utensils, 8：Clean dwelling / homestead, 9：Maintain / repair dwelling, 10：Fetch water, 11：Collect firewood, 12：Buy household goods (incl. travel time), 13：Go to the farm or work on the plot (not for pay), 14：Take care/feed animals/cut grass for fodder (not for pay), 15：Travel to/from work, 16：Time spent at work, 17：Other leisure activities (needle work/ knit/weave/make baskets/carve soap stones/tailor/repair clothes), 18：Take a walk, 19：Listen to radio, 20：Watch television, 21：Read, 22：Rest, 23：Religious activities (incl. pray), 24：Drink tea/coffee, 25：Attend some entertainment, 26：Visit a local club, 27：Study, 28：Meet with other women of my community, 29：Tell stories, 88：Other (specify)

[38] time_21: How do you usually spend your time between 15:00 and 15:30?
Categories: 1：Get ready, 2：Prepare meals/eat meals, 3：Attend to children, 4：Get children ready for school, 5：Care for children, sick, elderly, disabled, 6：Do laundry, 7：Clean utensils, 8：Clean dwelling / homestead, 9：Maintain / repair dwelling, 10：Fetch water, 11：Collect firewood, 12：Buy household goods (incl. travel time), 13：Go to the farm or work on the plot (not for pay), 14：Take care/feed animals/cut grass for fodder (not for pay), 15：Travel to/from work, 16：Time spent at work, 17：Other leisure activities (needle work/ knit/weave/make baskets/carve soap stones/tailor/repair clothes), 18：Take a walk, 19：Listen to radio, 20：Watch television, 21：Read, 22：Rest, 23：Religious activities (incl. pray), 24：Drink tea/coffee, 25：Attend some entertainment, 26：Visit a local club, 27：Study, 28：Meet with other women of my community, 29：Tell stories, 88：Other (specify)

[39] time_22: How do you usually spend your time between 15:30 and 16:00?
Categories: 1：Get ready, 2：Prepare meals/eat meals, 3：Attend to children, 4：Get children ready for school, 5：Care for children, sick, elderly, disabled, 6：Do laundry, 7：Clean utensils, 8：Clean dwelling / homestead, 9：Maintain / repair dwelling, 10：Fetch water, 11：Collect firewood, 12：Buy household goods (incl. travel time), 13：Go to the farm or work on the plot (not for pay), 14：Take care/feed animals/cut grass for fodder (not for pay), 15：Travel to/from work, 16：Time spent at work, 17：Other leisure activities (needle work/ knit/weave/make baskets/carve soap stones/tailor/repair clothes), 18：Take a walk, 19：Listen to radio, 20：Watch television, 21：Read, 22：Rest, 23：Religious activities (incl. pray), 24：Drink tea/coffee, 25：Attend some entertainment, 26：Visit a local club, 27：Study, 28：Meet with other women of my community, 29：Tell stories, 88：Other (specify)

[40] time_23: How do you usually spend your time between 16:00 and 16:30?
Categories: 1：Get ready, 2：Prepare meals/eat meals, 3：Attend to children, 4：Get children ready for school, 5：Care for children, sick, elderly, disabled, 6：Do laundry, 7：Clean utensils, 8：Clean dwelling / homestead, 9：Maintain / repair dwelling, 10：Fetch water, 11：Collect firewood, 12：Buy household goods (incl. travel time), 13：Go to the farm or work on the plot (not for pay), 14：Take care/feed animals/cut grass for fodder (not for pay), 15：Travel to/from work, 16：Time spent at work, 17：Other leisure activities (needle work/ knit/weave/make baskets/carve soap stones/tailor/repair clothes), 18：Take a walk, 19：Listen to radio, 20：Watch television, 21：Read, 22：Rest, 23：Religious activities (incl. pray), 24：Drink tea/coffee, 25：Attend some entertainment, 26：Visit a local club, 27：Study, 28：Meet with other women of my community, 29：Tell stories, 88：Other (specify)

[41] time_24: How do you usually spend your time between 16:30 and 17:00?
Categories: 1：Get ready, 2：Prepare meals/eat meals, 3：Attend to children, 4：Get children ready for school, 5：Care for children, sick, elderly, disabled, 6：Do laundry, 7：Clean utensils, 8：Clean dwelling / homestead, 9：Maintain / repair dwelling, 10：Fetch water, 11：Collect firewood, 12：Buy household goods (incl. travel time), 13：Go to the farm or work on the plot (not for pay), 14：Take care/feed animals/cut grass for fodder (not for pay), 15：Travel to/from work, 16：Time spent at work, 17：Other leisure activities (needle work/ knit/weave/make baskets/carve soap stones/tailor/repair clothes), 18：Take a walk, 19：Listen to radio, 20：Watch television, 21：Read, 22：Rest, 23：Religious activities (incl. pray), 24：Drink tea/coffee, 25：Attend some entertainment, 26：Visit a local club, 27：Study, 28：Meet with other women of my community, 29：Tell stories, 88：Other (specify)

[42] time_25: How do you usually spend your time between 17:00 and 17:30?
Categories: 1：Get ready, 2：Prepare meals/eat meals, 3：Attend to children, 4：Get children ready for school, 5：Care for children, sick, elderly, disabled, 6：Do laundry, 7：Clean utensils, 8：Clean dwelling / homestead, 9：Maintain / repair dwelling, 10：Fetch water, 11：Collect firewood, 12：Buy household goods (incl. travel time), 13：Go to the farm or work on the plot (not for pay), 14：Take care/feed animals/cut grass for fodder (not for pay), 15：Travel to/from work, 16：Time spent at work, 17：Other leisure activities (needle work/ knit/weave/make baskets/carve soap stones/tailor/repair clothes), 18：Take a walk, 19：Listen to radio, 20：Watch television, 21：Read, 22：Rest, 23：Religious activities (incl. pray), 24：Drink tea/coffee, 25：Attend some entertainment, 26：Visit a local club, 27：Study, 28：Meet with other women of my community, 29：Tell stories, 88：Other (specify)

[43] time_26: How do you usually spend your time between 17:30 and 18:00?
Categories: 1：Get ready, 2：Prepare meals/eat meals, 3：Attend to children, 4：Get children ready for school, 5：Care for children, sick, elderly, disabled, 6：Do laundry, 7：Clean utensils, 8：Clean dwelling / homestead, 9：Maintain / repair dwelling, 10：Fetch water, 11：Collect firewood, 12：Buy household goods (incl. travel time), 13：Go to the farm or work on the plot (not for pay), 14：Take care/feed animals/cut grass for fodder (not for pay), 15：Travel to/from work, 16：Time spent at work, 17：Other leisure activities (needle work/ knit/weave/make baskets/carve soap stones/tailor/repair clothes), 18：Take a walk, 19：Listen to radio, 20：Watch television, 21：Read, 22：Rest, 23：Religious activities (incl. pray), 24：Drink tea/coffee, 25：Attend some entertainment, 26：Visit a local club, 27：Study, 28：Meet with other women of my community, 29：Tell stories, 88：Other (specify)

[44] time_27: How do you usually spend your time between 18:00 and 18:30?
Categories: 1：Get ready, 2：Prepare meals/eat meals, 3：Attend to children, 4：Get children ready for school, 5：Care for children, sick, elderly, disabled, 6：Do laundry, 7：Clean utensils, 8：Clean dwelling / homestead, 9：Maintain / repair dwelling, 10：Fetch water, 11：Collect firewood, 12：Buy household goods (incl. travel time), 13：Go to the farm or work on the plot (not for pay), 14：Take care/feed animals/cut grass for fodder (not for pay), 15：Travel to/from work, 16：Time spent at work, 17：Other leisure activities (needle work/ knit/weave/make baskets/carve soap stones/t

ailor/repair clothes), 18∶Take a walk, 19∶Listen to radio, 20∶Watch television, 21∶Read, 22∶Rest, 23∶Religious activities (incl. pray), 24∶Drink tea/coffee, 25∶Attend some entertainment, 26∶Visit a local club, 27∶Study, 28∶Meet with other women of my community, 29∶Tell stories, 88∶Other (specify)

[45] time_28: How do you usually spend your time between 18:30 and 19:00?
Categories: 1∶Get ready, 2∶Prepare meals/eat meals, 3∶Attend to children, 4∶Get children ready for school, 5∶Care for children, sick, elderly, disabled, 6∶Do laundry, 7∶Clean utensils, 8∶Clean dwelling / homestead, 9∶Maintain / repair dwelling, 10∶Fetch water, 11∶Collect firewood, 12∶Buy household goods (incl. travel time), 13∶Go to the farm or work on the plot (not for pay), 14∶Take care/feed animals/cut grass for fodder (not for pay), 15∶Travel to/from work, 16∶Time spent at work, 17∶Other leisure activities (needle work/ knit/weave/make baskets/carve soap stones/tailor/repair clothes), 18∶Take a walk, 19∶Listen to radio, 20∶Watch television, 21∶Read, 22∶Rest, 23∶Religious activities (incl. pray), 24∶Drink tea/coffee, 25∶Attend some entertainment, 26∶Visit a local club, 27∶Study, 28∶Meet with other women of my community, 29∶Tell stories, 88∶Other (specify)

[46] time_29: How do you usually spend your time between 19:00 and 19:30?
Categories: 1∶Get ready, 2∶Prepare meals/eat meals, 3∶Attend to children, 4∶Get children ready for school, 5∶Care for children, sick, elderly, disabled, 6∶Do laundry, 7∶Clean utensils, 8∶Clean dwelling / homestead, 9∶Maintain / repair dwelling, 10∶Fetch water, 11∶Collect firewood, 12∶Buy household goods (incl. travel time), 13∶Go to the farm or work on the plot (not for pay), 14∶Take care/feed animals/cut grass for fodder (not for pay), 15∶Travel to/from work, 16∶Time spent at work, 17∶Other leisure activities (needle work/ knit/weave/make baskets/carve soap stones/tailor/repair clothes), 18∶Take a walk, 19∶Listen to radio, 20∶Watch television, 21∶Read, 22∶Rest, 23∶Religious activities (incl. pray), 24∶Drink tea/coffee, 25∶Attend some entertainment, 26∶Visit a local club, 27∶Study, 28∶Meet with other women of my community, 29∶Tell stories, 88∶Other (specify)

[47] time_30: How do you usually spend your time between 19:30 and 20:00?
Categories: 1∶Get ready, 2∶Prepare meals/eat meals, 3∶Attend to children, 4∶Get children ready for school, 5∶Care for children, sick, elderly, disabled, 6∶Do laundry, 7∶Clean utensils, 8∶Clean dwelling / homestead, 9∶Maintain / repair dwelling, 10∶Fetch water, 11∶Collect firewood, 12∶Buy household goods (incl. travel time), 13∶Go to the farm or work on the plot (not for pay), 14∶Take care/feed animals/cut grass for fodder (not for pay), 15∶Travel to/from work, 16∶Time spent at work, 17∶Other leisure activities (needle work/ knit/weave/make baskets/carve soap stones/tailor/repair clothes), 18∶Take a walk, 19∶Listen to radio, 20∶Watch television, 21∶Read, 22∶Rest, 23∶Religious activities (incl. pray), 24∶Drink tea/coffee, 25∶Attend some entertainment, 26∶Visit a local club, 27∶Study, 28∶Meet with other women of my community, 29∶Tell stories, 88∶Other (specify)

[48] time_31: How do you usually spend your time between 20:00 and 20:30?
Categories: 1∶Get ready, 2∶Prepare meals/eat meals, 3∶Attend to children, 4∶Get children ready for school, 5∶Care for children, sick, elderly, disabled, 6∶Do laundry, 7∶Clean utensils, 8∶Clean dwelling / homestead, 9∶Maintain / repair dwelling, 10∶Fetch water, 11∶Collect firewood, 12∶Buy household goods (incl. travel time), 13∶Go to the farm or work on the plot (not for pay), 14∶Take care/feed animals/cut grass for fodder (not for pay), 15∶Travel to/from work, 16∶Time spent at work, 17∶Other leisure activities (needle work/ knit/weave/make baskets/carve soap stones/tailor/repair clothes), 18∶Take a walk, 19∶Listen to radio, 20∶Watch television, 21∶Read, 22∶Rest, 23∶Religious activities (incl. pray), 24∶Drink tea/coffee, 25∶Attend some entertainment, 26∶Visit a local club, 27∶Study, 28∶Meet with other women of my community, 29∶Tell stories, 88∶Other (specify)

[49] time_32: How do you usually spend your time between 20:30 and 21:00?
Categories: 1∶Get ready, 2∶Prepare meals/eat meals, 3∶Attend to children, 4∶Get children ready for school, 5∶Care for children, sick, elderly, disabled, 6∶Do laundry, 7∶Clean utensils, 8∶Clean dwelling / homestead, 9∶Maintain / repair dwelling, 10∶Fetch water, 11∶Collect firewood, 12∶Buy household goods (incl. travel time), 13∶Go to the farm or work on the plot (not for pay), 14∶Take care/feed animals/cut grass for fodder (not for pay), 15∶Travel to/from work, 16∶Time spent at work, 17∶Other leisure activities (needle work/ knit/weave/make baskets/carve soap stones/tailor/repair clothes), 18∶Take a walk, 19∶Listen to radio, 20∶Watch television, 21∶Read, 22∶Rest, 23∶Religious activities (incl. pray), 24∶Drink tea/coffee, 25∶Attend some entertainment, 26∶Visit a local club, 27∶Study, 28∶Meet with other women of my community, 29∶Tell stories, 88∶Other (specify)

[50] time_33: How do you usually spend your time between 21:00 and 21:30?
Categories: 1∶Get ready, 2∶Prepare meals/eat meals, 3∶Attend to children, 4∶Get children ready for school, 5∶Care for children, sick, elderly, disabled, 6∶Do laundry, 7∶Clean utensils, 8∶Clean dwelling / homestead, 9∶Maintain / repair dwelling, 10∶Fetch water, 11∶Collect firewood, 12∶Buy household goods (incl. travel time), 13∶Go to the farm or work on the plot (not for pay), 14∶Take care/feed animals/cut grass for fodder (not for pay), 15∶Travel to/from work, 16∶Time spent at work, 17∶Other leisure activities (needle work/ knit/weave/make baskets/carve soap stones/tailor/repair clothes), 18∶Take a walk, 19∶Listen to radio, 20∶Watch television, 21∶Read, 22∶Rest, 23∶Religious activities (incl. pray), 24∶Drink tea/coffee, 25∶Attend some entertainment, 26∶Visit a local club, 27∶Study, 28∶Meet with other women of my community, 29∶Tell stories, 88∶Other (specify)

[51] time_34: How do you usually spend your time between 21:30 and 22:00?
Categories: 1∶Get ready, 2∶Prepare meals/eat meals, 3∶Attend to children, 4∶Get children ready for school, 5∶Care for children, sick, elderly, disabled, 6∶Do laundry, 7∶Clean utensils, 8∶Clean dwelling / homestead, 9∶Maintain / repair dwelling, 10∶Fetch water, 11∶Collect firewood, 12∶Buy household goods (incl. travel time), 13∶Go to the farm or work on the plot (not for pay), 14∶Take care/feed animals/cut grass for fodder (not for pay), 15∶Travel to/from work, 16∶Time spent at work, 17∶Other leisure activities (needle work/ knit/weave/make baskets/carve soap stones/tailor/repair clothes), 18∶Take a walk, 19∶Listen to radio, 20∶Watch television, 21∶Read, 22∶Rest, 23∶Religious activities (incl. pray), 24∶Drink tea/coffee, 25∶Attend some entertainment, 26∶Visit a local club, 27∶Study, 28∶Meet with other women of my community, 29∶Tell stories, 88∶Other (specify)

[52] time_35: How do you usually spend your time between 22:00 and 22:30?
Categories: 1∶Get ready, 2∶Prepare meals/eat meals, 3∶Attend to children, 4∶Get children ready for school, 5∶Care for children, sick, elderly, disabled, 6∶Do laundry, 7∶Clean utensils, 8∶Clean dwelling / homestead, 9∶Maintain / repair dwelling, 10∶Fetch water, 11∶Collect firewood, 12∶Buy household goods (incl. travel time), 13∶Go to the farm or work on the plot (not for pay), 14∶Take care/feed animals/cut grass for fodder (not for pay), 15∶Travel to/from work, 16∶Time spent at work, 17∶Other leisure activities (needle work/ knit/weave/make baskets/carve soap stones/tailor/repair clothes), 18∶Take a walk, 19∶Listen to radio, 20∶Watch television, 21∶Read, 22∶Rest, 23∶Religious activities (incl. pray), 24∶Drink tea/coffee, 25∶Attend some entertainment, 26∶Visit a local club, 27∶Study, 28∶Meet with other women of my community, 29∶Tell stories, 88∶Other (specify)

[53] time_36: How do you usually spend your time between 22:30 and 23:00?

Categories: 1:Get ready, 2:Prepare meals/eat meals, 3:Attend to children, 4:Get children ready for school, 5:Care for children, sick, elderly, disabled, 6:Do laundry, 7:Clean utensils, 8:Clean dwelling / homestead, 9:Maintain / repair dwelling, 10:Fetch water, 11:Collect firewood, 12:Buy household goods (incl. travel time), 13:Go to the farm or work on the plot (not for pay), 14:Take care/feed animals/cut grass for fodder (not for pay), 15:Travel to/from work, 16:Time spent at work, 17:Other leisure activities (needle work/ knit/weave/make baskets/carve soap stones/tailor/repair clothes), 18:Take a walk, 19:Listen to radio, 20:Watch television, 21:Read, 22:Rest, 23:Religious activities (incl. pray), 24:Drink tea/coffee, 25:Attend some entertainment, 26:Visit a local club, 27:Study, 28:Meet with other women of my community, 29:Tell stories, 88:Other (specify)

[54] time_37: How do you usually spend your time between 23:00 and 23:30?
Categories: 1:Get ready, 2:Prepare meals/eat meals, 3:Attend to children, 4:Get children ready for school, 5:Care for children, sick, elderly, disabled, 6:Do laundry, 7:Clean utensils, 8:Clean dwelling / homestead, 9:Maintain / repair dwelling, 10:Fetch water, 11:Collect firewood, 12:Buy household goods (incl. travel time), 13:Go to the farm or work on the plot (not for pay), 14:Take care/feed animals/cut grass for fodder (not for pay), 15:Travel to/from work, 16:Time spent at work, 17:Other leisure activities (needle work/ knit/weave/make baskets/carve soap stones/tailor/repair clothes), 18:Take a walk, 19:Listen to radio, 20:Watch television, 21:Read, 22:Rest, 23:Religious activities (incl. pray), 24:Drink tea/coffee, 25:Attend some entertainment, 26:Visit a local club, 27:Study, 28:Meet with other women of my community, 29:Tell stories, 88:Other (specify)

[55] time_38: How do you usually spend your time between 23:30 and 00:00 (midnight)?
Categories: 1:Get ready, 2:Prepare meals/eat meals, 3:Attend to children, 4:Get children ready for school, 5:Care for children, sick, elderly, disabled, 6:Do laundry, 7:Clean utensils, 8:Clean dwelling / homestead, 9:Maintain / repair dwelling, 10:Fetch water, 11:Collect firewood, 12:Buy household goods (incl. travel time), 13:Go to the farm or work on the plot (not for pay), 14:Take care/feed animals/cut grass for fodder (not for pay), 15:Travel to/from work, 16:Time spent at work, 17:Other leisure activities (needle work/ knit/weave/make baskets/carve soap stones/tailor/repair clothes), 18:Take a walk, 19:Listen to radio, 20:Watch television, 21:Read, 22:Rest, 23:Religious activities (incl. pray), 24:Drink tea/coffee, 25:Attend some entertainment, 26:Visit a local club, 27:Study, 28:Meet with other women of my community, 29:Tell stories, 88:Other (specify)

[56] time_39: How do you usually spend your time between 00:00 (midnight) and 00:30?
Categories: 1:Get ready, 2:Prepare meals/eat meals, 3:Attend to children, 4:Get children ready for school, 5:Care for children, sick, elderly, disabled, 6:Do laundry, 7:Clean utensils, 8:Clean dwelling / homestead, 9:Maintain / repair dwelling, 10:Fetch water, 11:Collect firewood, 12:Buy household goods (incl. travel time), 13:Go to the farm or work on the plot (not for pay), 14:Take care/feed animals/cut grass for fodder (not for pay), 15:Travel to/from work, 16:Time spent at work, 17:Other leisure activities (needle work/ knit/weave/make baskets/carve soap stones/tailor/repair clothes), 18:Take a walk, 19:Listen to radio, 20:Watch television, 21:Read, 22:Rest, 23:Religious activities (incl. pray), 24:Drink tea/coffee, 25:Attend some entertainment, 26:Visit a local club, 27:Study, 28:Meet with other women of my community, 29:Tell stories, 88:Other (specify)

[57] time_40: How do you usually spend your time between 00:30 and 01:00?
Categories: 1:Get ready, 2:Prepare meals/eat meals, 3:Attend to children, 4:Get children ready for school, 5:Care for children, sick, elderly, disabled, 6:Do laundry, 7:Clean utensils, 8:Clean dwelling / homestead, 9:Maintain / repair dwelling, 10:Fetch water, 11:Collect firewood, 12:Buy household goods (incl. travel time), 13:Go to the farm or work on the plot (not for pay), 14:Take care/feed animals/cut grass for fodder (not for pay), 15:Travel to/from work, 16:Time spent at work, 17:Other leisure activities (needle work/ knit/weave/make baskets/carve soap stones/tailor/repair clothes), 18:Take a walk, 19:Listen to radio, 20:Watch television, 21:Read, 22:Rest, 23:Religious activities (incl. pray), 24:Drink tea/coffee, 25:Attend some entertainment, 26:Visit a local club, 27:Study, 28:Meet with other women of my community, 29:Tell stories, 88:Other (specify)

[58] time_41: How do you usually spend your time between 01:00 and 01:30?
Categories: 1:Get ready, 2:Prepare meals/eat meals, 3:Attend to children, 4:Get children ready for school, 5:Care for children, sick, elderly, disabled, 6:Do laundry, 7:Clean utensils, 8:Clean dwelling / homestead, 9:Maintain / repair dwelling, 10:Fetch water, 11:Collect firewood, 12:Buy household goods (incl. travel time), 13:Go to the farm or work on the plot (not for pay), 14:Take care/feed animals/cut grass for fodder (not for pay), 15:Travel to/from work, 16:Time spent at work, 17:Other leisure activities (needle work/ knit/weave/make baskets/carve soap stones/tailor/repair clothes), 18:Take a walk, 19:Listen to radio, 20:Watch television, 21:Read, 22:Rest, 23:Religious activities (incl. pray), 24:Drink tea/coffee, 25:Attend some entertainment, 26:Visit a local club, 27:Study, 28:Meet with other women of my community, 29:Tell stories, 88:Other (specify)

[59] time_42: How do you usually spend your time between 01:30 and 02:00?
Categories: 1:Get ready, 2:Prepare meals/eat meals, 3:Attend to children, 4:Get children ready for school, 5:Care for children, sick, elderly, disabled, 6:Do laundry, 7:Clean utensils, 8:Clean dwelling / homestead, 9:Maintain / repair dwelling, 10:Fetch water, 11:Collect firewood, 12:Buy household goods (incl. travel time), 13:Go to the farm or work on the plot (not for pay), 14:Take care/feed animals/cut grass for fodder (not for pay), 15:Travel to/from work, 16:Time spent at work, 17:Other leisure activities (needle work/ knit/weave/make baskets/carve soap stones/tailor/repair clothes), 18:Take a walk, 19:Listen to radio, 20:Watch television, 21:Read, 22:Rest, 23:Religious activities (incl. pray), 24:Drink tea/coffee, 25:Attend some entertainment, 26:Visit a local club, 27:Study, 28:Meet with other women of my community, 29:Tell stories, 88:Other (specify)

[60] time_43: How do you usually spend your time between 02:00 and 02:30?
Categories: 1:Get ready, 2:Prepare meals/eat meals, 3:Attend to children, 4:Get children ready for school, 5:Care for children, sick, elderly, disabled, 6:Do laundry, 7:Clean utensils, 8:Clean dwelling / homestead, 9:Maintain / repair dwelling, 10:Fetch water, 11:Collect firewood, 12:Buy household goods (incl. travel time), 13:Go to the farm or work on the plot (not for pay), 14:Take care/feed animals/cut grass for fodder (not for pay), 15:Travel to/from work, 16:Time spent at work, 17:Other leisure activities (needle work/ knit/weave/make baskets/carve soap stones/tailor/repair clothes), 18:Take a walk, 19:Listen to radio, 20:Watch television, 21:Read, 22:Rest, 23:Religious activities (incl. pray), 24:Drink tea/coffee, 25:Attend some entertainment, 26:Visit a local club, 27:Study, 28:Meet with other women of my community, 29:Tell stories, 88:Other (specify)

[61] time_44: How do you usually spend your time between 02:30 and 03:00?
Categories: 1:Get ready, 2:Prepare meals/eat meals, 3:Attend to children, 4:Get children ready for school, 5:Care for children, sick, elderly, disabled, 6:Do laundry, 7:Clean utensils, 8:Clean dwelling / homestead, 9:Maintain / repair dwelling, 10:Fetch water, 11:Collect firewood, 12:Buy household goods (incl. travel time), 13:Go to the farm or work on the plot (not for pay), 14:Take care/feed animals/cut grass for fodder (not for pay), 15:Travel to/from work, 16:Time spent at work, 17:Other leisure activities (needle work/ knit/weave/make baskets/carve soap stones/tailor/repair clothes), 18:Take a walk, 19:Listen to radio, 20:Watch television, 21:Read, 22:Rest, 23:Religious activities (incl. pray), 24:Drink tea

a/coffee, 25: Attend some entertainment, 26: Visit a local club, 27: Study, 28: Meet with other women of my community, 29: Tell stories, 88: Other (specify)

[62] ch_time_45: How does %childrespname% usually spend their time between 03:00 and 03:30?
Categories: 1: Get ready, 2: Prepare/eat a meal, 3: Go to school (including travel to school), 4: Go to duksi/madrasa/other religious education, 5: Do homework / study (at home), 6: Do homework / study (in neighbourhood), 7: Do household chores (incl. cleaning dwelling/compound), 8: Wash clothes, 9: Fetch water, 10: Collect firewood, 11: Buy household goods, 12: Go to the farm / work on a plot, 13: Take care / feed animals, 14: Caring for siblings, sick, elderly, disabled, 15: Go to/from work, 16: Help with the household business, 17: Selling anything at market/ street/ mobile, 18: Other work, 19: Take a walk, 20: Listen to radio, 21: Watch television, 22: Read, 23: Rest, 24: Religious activities (e.g. pray, reciting), 25: Attend some entertainment, 26: Play (at homestead), 27: Play (outside the homestead), 88: Other (specify)

[63] ch_time_46: How does %childrespname% usually spend their time between 03:30 and 04:00?
Categories: 1: Get ready, 2: Prepare/eat a meal, 3: Go to school (including travel to school), 4: Go to duksi/madrasa/other religious education, 5: Do homework / study (at home), 6: Do homework / study (in neighbourhood), 7: Do household chores (incl. cleaning dwelling/compound), 8: Wash clothes, 9: Fetch water, 10: Collect firewood, 11: Buy household goods, 12: Go to the farm / work on a plot, 13: Take care / feed animals, 14: Caring for siblings, sick, elderly, disabled, 15: Go to/from work, 16: Help with the household business, 17: Selling anything at market/ street/ mobile, 18: Other work, 19: Take a walk, 20: Listen to radio, 21: Watch television, 22: Read, 23: Rest, 24: Religious activities (e.g. pray, reciting), 25: Attend some entertainment, 26: Play (at homestead), 27: Play (outside the homestead), 88: Other (specify)

[64] ch_time_47: How does %childrespname% usually spend their time between 04:00 and 04:30?
Categories: 1: Get ready, 2: Prepare/eat a meal, 3: Go to school (including travel to school), 4: Go to duksi/madrasa/other religious education, 5: Do homework / study (at home), 6: Do homework / study (in neighbourhood), 7: Do household chores (incl. cleaning dwelling/compound), 8: Wash clothes, 9: Fetch water, 10: Collect firewood, 11: Buy household goods, 12: Go to the farm / work on a plot, 13: Take care / feed animals, 14: Caring for siblings, sick, elderly, disabled, 15: Go to/from work, 16: Help with the household business, 17: Selling anything at market/ street/ mobile, 18: Other work, 19: Take a walk, 20: Listen to radio, 21: Watch television, 22: Read, 23: Rest, 24: Religious activities (e.g. pray, reciting), 25: Attend some entertainment, 26: Play (at homestead), 27: Play (outside the homestead), 88: Other (specify)

[65] ch_time_48: How does %childrespname% usually spend their time between 04:30 and 05:00?
Categories: 1: Get ready, 2: Prepare/eat a meal, 3: Go to school (including travel to school), 4: Go to duksi/madrasa/other religious education, 5: Do homework / study (at home), 6: Do homework / study (in neighbourhood), 7: Do household chores (incl. cleaning dwelling/compound), 8: Wash clothes, 9: Fetch water, 10: Collect firewood, 11: Buy household goods, 12: Go to the farm / work on a plot, 13: Take care / feed animals, 14: Caring for siblings, sick, elderly, disabled, 15: Go to/from work, 16: Help with the household business, 17: Selling anything at market/ street/ mobile, 18: Other work, 19: Take a walk, 20: Listen to radio, 21: Watch television, 22: Read, 23: Rest, 24: Religious activities (e.g. pray, reciting), 25: Attend some entertainment, 26: Play (at homestead), 27: Play (outside the homestead), 88: Other (specify)

[66] ch_time_1: How does %childrespname% usually spend their time between 05:00 and 05:30?
Categories: 1: Get ready, 2: Prepare/eat a meal, 3: Go to school (including travel to school), 4: Go to duksi/madrasa/other religious education, 5: Do homework / study (at home), 6: Do homework / study (in neighbourhood), 7: Do household chores (incl. cleaning dwelling/compound), 8: Wash clothes, 9: Fetch water, 10: Collect firewood, 11: Buy household goods, 12: Go to the farm / work on a plot, 13: Take care / feed animals, 14: Caring for siblings, sick, elderly, disabled, 15: Go to/from work, 16: Help with the household business, 17: Selling anything at market/ street/ mobile, 18: Other work, 19: Take a walk, 20: Listen to radio, 21: Watch television, 22: Read, 23: Rest, 24: Religious activities (e.g. pray, reciting), 25: Attend some entertainment, 26: Play (at homestead), 27: Play (outside the homestead), 88: Other (specify)

[67] ch_time_2: How does %childrespname% usually spend their time between 05:30 and 06:00?
Categories: 1: Get ready, 2: Prepare/eat a meal, 3: Go to school (including travel to school), 4: Go to duksi/madrasa/other religious education, 5: Do homework / study (at home), 6: Do homework / study (in neighbourhood), 7: Do household chores (incl. cleaning dwelling/compound), 8: Wash clothes, 9: Fetch water, 10: Collect firewood, 11: Buy household goods, 12: Go to the farm / work on a plot, 13: Take care / feed animals, 14: Caring for siblings, sick, elderly, disabled, 15: Go to/from work, 16: Help with the household business, 17: Selling anything at market/ street/ mobile, 18: Other work, 19: Take a walk, 20: Listen to radio, 21: Watch television, 22: Read, 23: Rest, 24: Religious activities (e.g. pray, reciting), 25: Attend some entertainment, 26: Play (at homestead), 27: Play (outside the homestead), 88: Other (specify)

[68] ch_time_3: How does %childrespname% usually spend their time between 06:00 and 06:30?
Categories: 1: Get ready, 2: Prepare/eat a meal, 3: Go to school (including travel to school), 4: Go to duksi/madrasa/other religious education, 5: Do homework / study (at home), 6: Do homework / study (in neighbourhood), 7: Do household chores (incl. cleaning dwelling/compound), 8: Wash clothes, 9: Fetch water, 10: Collect firewood, 11: Buy household goods, 12: Go to the farm / work on a plot, 13: Take care / feed animals, 14: Caring for siblings, sick, elderly, disabled, 15: Go to/from work, 16: Help with the household business, 17: Selling anything at market/ street/ mobile, 18: Other work, 19: Take a walk, 20: Listen to radio, 21: Watch television, 22: Read, 23: Rest, 24: Religious activities (e.g. pray, reciting), 25: Attend some entertainment, 26: Play (at homestead), 27: Play (outside the homestead), 88: Other (specify)

[69] ch_time_4: How does %childrespname% usually spend their time between 06:30 and 07:00?
Categories: 1: Get ready, 2: Prepare/eat a meal, 3: Go to school (including travel to school), 4: Go to duksi/madrasa/other religious education, 5: Do homework / study (at home), 6: Do homework / study (in neighbourhood), 7: Do household chores (incl. cleaning dwelling/compound), 8: Wash clothes, 9: Fetch water, 10: Collect firewood, 11: Buy household goods, 12: Go to the farm / work on a plot, 13: Take care / feed animals, 14: Caring for siblings, sick, elderly, disabled, 15: Go to/from work, 16: Help with the household business, 17: Selling anything at market/ street/ mobile, 18: Other work, 19: Take a walk, 20: Listen to radio, 21: Watch television, 22: Read, 23: Rest, 24: Religious activities (e.g. pray, reciting), 25: Attend some entertainment, 26: Play (at homestead), 27: Play (outside the homestead), 88: Other (specify)

[70] ch_time_5: How does %childrespname% usually spend their time between 07:00 and 07:30?
Categories: 1: Get ready, 2: Prepare/eat a meal, 3: Go to school (including travel to school), 4: Go to duksi/madrasa/other religious education, 5: Do homework / study (at home), 6: Do homework / study (in neighbourhood), 7: Do household chores (incl. cleaning dwelling/compound), 8: Wash clothes, 9: Fetch water, 10: Collect firewood, 11: Buy household goods, 12: Go to the farm / work on a plot, 13: Take care / feed animals, 14: Caring for siblings, sick, elderly, disabled, 15: Go to/from work, 16: Help with the household business, 17: Selling anything at market/ street/ mobile, 18: Other work, 19: Take a walk, 20: Listen to radio, 21: Watch television, 22: Read, 23: Rest, 24: Religious activities (e.g. pray, reciting), 25: Attend some entertainment, 26: Play (at homestead), 27: Play (outside the homestead), 88: Other (specify)

[71] ch_time_6: How does %childrespname% usually spend their time between 07:30 and 08:00?

Categories: 1 : Get ready, 2 : Prepare/eat a meal, 3 : Go to school (including travel to school), 4 : Go to duksi/madrasa/other religious education, 5 : Do homework / study (at home), 6 : Do homework / study (in neighbourhood), 7 : Do household chores (incl. cleaning dwelling/compound), 8 : Wash clothes, 9 : Fetch water, 10 : Collect firewood, 11 : Buy household goods, 12 : Go to the farm / work on a plot, 13 : Take care / feed animals, 14 : Caring for siblings, sick, elderly, disabled, 15 : Go to/from work, 16 : Help with the household business, 17 : Selling anything at market/ street/ mobile, 18 : Other work, 19 : Take a walk, 20 : Listen to radio, 21 : Watch television, 22 : Read, 23 : Rest, 24 : Religious activities (e.g. pray, reciting), 25 : Attend some entertainment, 26 : Play (at homestead), 27 : Play (outside the homestead), 88 : Other (specify)

[72] ch_time_7: How does %childrespname% usually spend their time between 08:00 and 08:30?
Categories: 1 : Get ready, 2 : Prepare/eat a meal, 3 : Go to school (including travel to school), 4 : Go to duksi/madrasa/other religious education, 5 : Do homework / study (at home), 6 : Do homework / study (in neighbourhood), 7 : Do household chores (incl. cleaning dwelling/compound), 8 : Wash clothes, 9 : Fetch water, 10 : Collect firewood, 11 : Buy household goods, 12 : Go to the farm / work on a plot, 13 : Take care / feed animals, 14 : Caring for siblings, sick, elderly, disabled, 15 : Go to/from work, 16 : Help with the household business, 17 : Selling anything at market/ street/ mobile, 18 : Other work, 19 : Take a walk, 20 : Listen to radio, 21 : Watch television, 22 : Read, 23 : Rest, 24 : Religious activities (e.g. pray, reciting), 25 : Attend some entertainment, 26 : Play (at homestead), 27 : Play (outside the homestead), 88 : Other (specify)

[73] ch_time_8: How does %childrespname% usually spend their time between 08:30 and 09:00?
Categories: 1 : Get ready, 2 : Prepare/eat a meal, 3 : Go to school (including travel to school), 4 : Go to duksi/madrasa/other religious education, 5 : Do homework / study (at home), 6 : Do homework / study (in neighbourhood), 7 : Do household chores (incl. cleaning dwelling/compound), 8 : Wash clothes, 9 : Fetch water, 10 : Collect firewood, 11 : Buy household goods, 12 : Go to the farm / work on a plot, 13 : Take care / feed animals, 14 : Caring for siblings, sick, elderly, disabled, 15 : Go to/from work, 16 : Help with the household business, 17 : Selling anything at market/ street/ mobile, 18 : Other work, 19 : Take a walk, 20 : Listen to radio, 21 : Watch television, 22 : Read, 23 : Rest, 24 : Religious activities (e.g. pray, reciting), 25 : Attend some entertainment, 26 : Play (at homestead), 27 : Play (outside the homestead), 88 : Other (specify)

[74] ch_time_9: How does %childrespname% usually spend their time between 09:00 and 09:30?
Categories: 1 : Get ready, 2 : Prepare/eat a meal, 3 : Go to school (including travel to school), 4 : Go to duksi/madrasa/other religious education, 5 : Do homework / study (at home), 6 : Do homework / study (in neighbourhood), 7 : Do household chores (incl. cleaning dwelling/compound), 8 : Wash clothes, 9 : Fetch water, 10 : Collect firewood, 11 : Buy household goods, 12 : Go to the farm / work on a plot, 13 : Take care / feed animals, 14 : Caring for siblings, sick, elderly, disabled, 15 : Go to/from work, 16 : Help with the household business, 17 : Selling anything at market/ street/ mobile, 18 : Other work, 19 : Take a walk, 20 : Listen to radio, 21 : Watch television, 22 : Read, 23 : Rest, 24 : Religious activities (e.g. pray, reciting), 25 : Attend some entertainment, 26 : Play (at homestead), 27 : Play (outside the homestead), 88 : Other (specify)

[75] ch_time_10: How does %childrespname% usually spend their time between 09:30 and 10:00?
Categories: 1 : Get ready, 2 : Prepare/eat a meal, 3 : Go to school (including travel to school), 4 : Go to duksi/madrasa/other religious education, 5 : Do homework / study (at home), 6 : Do homework / study (in neighbourhood), 7 : Do household chores (incl. cleaning dwelling/compound), 8 : Wash clothes, 9 : Fetch water, 10 : Collect firewood, 11 : Buy household goods, 12 : Go to the farm / work on a plot, 13 : Take care / feed animals, 14 : Caring for siblings, sick, elderly, disabled, 15 : Go to/from work, 16 : Help with the household business, 17 : Selling anything at market/ street/ mobile, 18 : Other work, 19 : Take a walk, 20 : Listen to radio, 21 : Watch television, 22 : Read, 23 : Rest, 24 : Religious activities (e.g. pray, reciting), 25 : Attend some entertainment, 26 : Play (at homestead), 27 : Play (outside the homestead), 88 : Other (specify)

[76] ch_time_11: How does %childrespname% usually spend their time between 10:00 and 10:30?
Categories: 1 : Get ready, 2 : Prepare/eat a meal, 3 : Go to school (including travel to school), 4 : Go to duksi/madrasa/other religious education, 5 : Do homework / study (at home), 6 : Do homework / study (in neighbourhood), 7 : Do household chores (incl. cleaning dwelling/compound), 8 : Wash clothes, 9 : Fetch water, 10 : Collect firewood, 11 : Buy household goods, 12 : Go to the farm / work on a plot, 13 : Take care / feed animals, 14 : Caring for siblings, sick, elderly, disabled, 15 : Go to/from work, 16 : Help with the household business, 17 : Selling anything at market/ street/ mobile, 18 : Other work, 19 : Take a walk, 20 : Listen to radio, 21 : Watch television, 22 : Read, 23 : Rest, 24 : Religious activities (e.g. pray, reciting), 25 : Attend some entertainment, 26 : Play (at homestead), 27 : Play (outside the homestead), 88 : Other (specify)

[77] ch_time_12: How does %childrespname% usually spend their time between 10:30 and 11:00?
Categories: 1 : Get ready, 2 : Prepare/eat a meal, 3 : Go to school (including travel to school), 4 : Go to duksi/madrasa/other religious education, 5 : Do homework / study (at home), 6 : Do homework / study (in neighbourhood), 7 : Do household chores (incl. cleaning dwelling/compound), 8 : Wash clothes, 9 : Fetch water, 10 : Collect firewood, 11 : Buy household goods, 12 : Go to the farm / work on a plot, 13 : Take care / feed animals, 14 : Caring for siblings, sick, elderly, disabled, 15 : Go to/from work, 16 : Help with the household business, 17 : Selling anything at market/ street/ mobile, 18 : Other work, 19 : Take a walk, 20 : Listen to radio, 21 : Watch television, 22 : Read, 23 : Rest, 24 : Religious activities (e.g. pray, reciting), 25 : Attend some entertainment, 26 : Play (at homestead), 27 : Play (outside the homestead), 88 : Other (specify)

[78] ch_time_13: How does %childrespname% usually spend their time between 11:00 and 11:30?
Categories: 1 : Get ready, 2 : Prepare/eat a meal, 3 : Go to school (including travel to school), 4 : Go to duksi/madrasa/other religious education, 5 : Do homework / study (at home), 6 : Do homework / study (in neighbourhood), 7 : Do household chores (incl. cleaning dwelling/compound), 8 : Wash clothes, 9 : Fetch water, 10 : Collect firewood, 11 : Buy household goods, 12 : Go to the farm / work on a plot, 13 : Take care / feed animals, 14 : Caring for siblings, sick, elderly, disabled, 15 : Go to/from work, 16 : Help with the household business, 17 : Selling anything at market/ street/ mobile, 18 : Other work, 19 : Take a walk, 20 : Listen to radio, 21 : Watch television, 22 : Read, 23 : Rest, 24 : Religious activities (e.g. pray, reciting), 25 : Attend some entertainment, 26 : Play (at homestead), 27 : Play (outside the homestead), 88 : Other (specify)

[79] ch_time_14: How does %childrespname% usually spend their time between 11:30 and 12:00?
Categories: 1 : Get ready, 2 : Prepare/eat a meal, 3 : Go to school (including travel to school), 4 : Go to duksi/madrasa/other religious education, 5 : Do homework / study (at home), 6 : Do homework / study (in neighbourhood), 7 : Do household chores (incl. cleaning dwelling/compound), 8 : Wash clothes, 9 : Fetch water, 10 : Collect firewood, 11 : Buy household goods, 12 : Go to the farm / work on a plot, 13 : Take care / feed animals, 14 : Caring for siblings, sick, elderly, disabled, 15 : Go to/from work, 16 : Help with the household business, 17 : Selling anything at market/ street/ mobile, 18 : Other work, 19 : Take a walk, 20 : Listen to radio, 21 : Watch television, 22 : Read, 23 : Rest, 24 : Religious activities (e.g. pray, reciting), 25 : Attend some entertainment, 26 : Play (at homestead), 27 : Play (outside the homestead), 88 : Other (specify)

[80] ch_time_15: How does %childrespname% usually spend their time between 12:00 and 12:30?
Categories: 1 : Get ready, 2 : Prepare/eat a meal, 3 : Go to school (including travel to school), 4 : Go to duksi/madrasa/other religious education, 5 : Do homework / study (at home), 6 : Do homework / study (in neighbourhood), 7 : Do household chores (incl. cleaning dwelling/compound), 8 : Wash clothes, 9 : Fetch water, 10 : Collect firewood, 11 : Buy household goods, 12 : Go to the farm / work on a plot, 13 : Take care / feed animals, 14 : Caring for siblings, sick, elderly, disabled, 15 : Go to/from work, 16 : Help with the household business, 17 : Selling anything at market/ street/ mo

bile, 18:Other work, 19:Take a walk, 20:Listen to radio, 21:Watch television, 22:Read, 23:Rest, 24:Religious activities (e.g. pray, reciting), 25:Attend some entertainment, 26:Play (at homestead), 27:Play (outside the homestead), 88:Other (specify)

[81] ch_time_16: How does %childrespname% usually spend their time between 12:30 and 13:00?
Categories: 1:Get ready, 2:Prepare/eat a meal, 3:Go to school (including travel to school), 4:Go to duksi/madrasa/other religious education, 5:Do homework / study (at home), 6:Do homework / study (in neighbourhood), 7:Do household chores (incl. cleaning dwelling/compound), 8:Wash clothes, 9:Fetch water, 10:Collect firewood, 11:Buy household goods, 12:Go to the farm / work on a plot, 13:Take care / feed animals, 14:Caring for siblings, sick, elderly, disabled, 15:Go to/from work, 16:Help with the household business, 17:Selling anything at market/ street/ mobile, 18:Other work, 19:Take a walk, 20:Listen to radio, 21:Watch television, 22:Read, 23:Rest, 24:Religious activities (e.g. pray, reciting), 25:Attend some entertainment, 26:Play (at homestead), 27:Play (outside the homestead), 88:Other (specify)

[82] ch_time_17: How does %childrespname% usually spend their time between 13:00 and 13:30?
Categories: 1:Get ready, 2:Prepare/eat a meal, 3:Go to school (including travel to school), 4:Go to duksi/madrasa/other religious education, 5:Do homework / study (at home), 6:Do homework / study (in neighbourhood), 7:Do household chores (incl. cleaning dwelling/compound), 8:Wash clothes, 9:Fetch water, 10:Collect firewood, 11:Buy household goods, 12:Go to the farm / work on a plot, 13:Take care / feed animals, 14:Caring for siblings, sick, elderly, disabled, 15:Go to/from work, 16:Help with the household business, 17:Selling anything at market/ street/ mobile, 18:Other work, 19:Take a walk, 20:Listen to radio, 21:Watch television, 22:Read, 23:Rest, 24:Religious activities (e.g. pray, reciting), 25:Attend some entertainment, 26:Play (at homestead), 27:Play (outside the homestead), 88:Other (specify)

[83] ch_time_18: How does %childrespname% usually spend their time between 13:30 and 14:00?
Categories: 1:Get ready, 2:Prepare/eat a meal, 3:Go to school (including travel to school), 4:Go to duksi/madrasa/other religious education, 5:Do homework / study (at home), 6:Do homework / study (in neighbourhood), 7:Do household chores (incl. cleaning dwelling/compound), 8:Wash clothes, 9:Fetch water, 10:Collect firewood, 11:Buy household goods, 12:Go to the farm / work on a plot, 13:Take care / feed animals, 14:Caring for siblings, sick, elderly, disabled, 15:Go to/from work, 16:Help with the household business, 17:Selling anything at market/ street/ mobile, 18:Other work, 19:Take a walk, 20:Listen to radio, 21:Watch television, 22:Read, 23:Rest, 24:Religious activities (e.g. pray, reciting), 25:Attend some entertainment, 26:Play (at homestead), 27:Play (outside the homestead), 88:Other (specify)

[84] ch_time_19: How does %childrespname% usually spend their time between 14:00 and 14:30?
Categories: 1:Get ready, 2:Prepare/eat a meal, 3:Go to school (including travel to school), 4:Go to duksi/madrasa/other religious education, 5:Do homework / study (at home), 6:Do homework / study (in neighbourhood), 7:Do household chores (incl. cleaning dwelling/compound), 8:Wash clothes, 9:Fetch water, 10:Collect firewood, 11:Buy household goods, 12:Go to the farm / work on a plot, 13:Take care / feed animals, 14:Caring for siblings, sick, elderly, disabled, 15:Go to/from work, 16:Help with the household business, 17:Selling anything at market/ street/ mobile, 18:Other work, 19:Take a walk, 20:Listen to radio, 21:Watch television, 22:Read, 23:Rest, 24:Religious activities (e.g. pray, reciting), 25:Attend some entertainment, 26:Play (at homestead), 27:Play (outside the homestead), 88:Other (specify)

[85] ch_time_20: How does %childrespname% usually spend their time between 14:30 and 15:00?
Categories: 1:Get ready, 2:Prepare/eat a meal, 3:Go to school (including travel to school), 4:Go to duksi/madrasa/other religious education, 5:Do homework / study (at home), 6:Do homework / study (in neighbourhood), 7:Do household chores (incl. cleaning dwelling/compound), 8:Wash clothes, 9:Fetch water, 10:Collect firewood, 11:Buy household goods, 12:Go to the farm / work on a plot, 13:Take care / feed animals, 14:Caring for siblings, sick, elderly, disabled, 15:Go to/from work, 16:Help with the household business, 17:Selling anything at market/ street/ mobile, 18:Other work, 19:Take a walk, 20:Listen to radio, 21:Watch television, 22:Read, 23:Rest, 24:Religious activities (e.g. pray, reciting), 25:Attend some entertainment, 26:Play (at homestead), 27:Play (outside the homestead), 88:Other (specify)

[86] ch_time_21: How does %childrespname% usually spend their time between 15:00 and 15:30?
Categories: 1:Get ready, 2:Prepare/eat a meal, 3:Go to school (including travel to school), 4:Go to duksi/madrasa/other religious education, 5:Do homework / study (at home), 6:Do homework / study (in neighbourhood), 7:Do household chores (incl. cleaning dwelling/compound), 8:Wash clothes, 9:Fetch water, 10:Collect firewood, 11:Buy household goods, 12:Go to the farm / work on a plot, 13:Take care / feed animals, 14:Caring for siblings, sick, elderly, disabled, 15:Go to/from work, 16:Help with the household business, 17:Selling anything at market/ street/ mobile, 18:Other work, 19:Take a walk, 20:Listen to radio, 21:Watch television, 22:Read, 23:Rest, 24:Religious activities (e.g. pray, reciting), 25:Attend some entertainment, 26:Play (at homestead), 27:Play (outside the homestead), 88:Other (specify)

[87] ch_time_22: How does %childrespname% usually spend their time between 15:30 and 16:00?
Categories: 1:Get ready, 2:Prepare/eat a meal, 3:Go to school (including travel to school), 4:Go to duksi/madrasa/other religious education, 5:Do homework / study (at home), 6:Do homework / study (in neighbourhood), 7:Do household chores (incl. cleaning dwelling/compound), 8:Wash clothes, 9:Fetch water, 10:Collect firewood, 11:Buy household goods, 12:Go to the farm / work on a plot, 13:Take care / feed animals, 14:Caring for siblings, sick, elderly, disabled, 15:Go to/from work, 16:Help with the household business, 17:Selling anything at market/ street/ mobile, 18:Other work, 19:Take a walk, 20:Listen to radio, 21:Watch television, 22:Read, 23:Rest, 24:Religious activities (e.g. pray, reciting), 25:Attend some entertainment, 26:Play (at homestead), 27:Play (outside the homestead), 88:Other (specify)

[88] ch_time_23: How does %childrespname% usually spend their time between 16:00 and 16:30?
Categories: 1:Get ready, 2:Prepare/eat a meal, 3:Go to school (including travel to school), 4:Go to duksi/madrasa/other religious education, 5:Do homework / study (at home), 6:Do homework / study (in neighbourhood), 7:Do household chores (incl. cleaning dwelling/compound), 8:Wash clothes, 9:Fetch water, 10:Collect firewood, 11:Buy household goods, 12:Go to the farm / work on a plot, 13:Take care / feed animals, 14:Caring for siblings, sick, elderly, disabled, 15:Go to/from work, 16:Help with the household business, 17:Selling anything at market/ street/ mobile, 18:Other work, 19:Take a walk, 20:Listen to radio, 21:Watch television, 22:Read, 23:Rest, 24:Religious activities (e.g. pray, reciting), 25:Attend some entertainment, 26:Play (at homestead), 27:Play (outside the homestead), 88:Other (specify)

[89] ch_time_24: How does %childrespname% usually spend their time between 16:30 and 17:00?
Categories: 1:Get ready, 2:Prepare/eat a meal, 3:Go to school (including travel to school), 4:Go to duksi/madrasa/other religious education, 5:Do homework / study (at home), 6:Do homework / study (in neighbourhood), 7:Do household chores (incl. cleaning dwelling/compound), 8:Wash clothes, 9:Fetch water, 10:Collect firewood, 11:Buy household goods, 12:Go to the farm / work on a plot, 13:Take care / feed animals, 14:Caring for siblings, sick, elderly, disabled, 15:Go to/from work, 16:Help with the household business, 17:Selling anything at market/ street/ mobile, 18:Other work, 19:Take a walk, 20:Listen to radio, 21:Watch television, 22:Read, 23:Rest, 24:Religious activities (e.g. pray, reciting), 25:Attend some entertainment, 26:Play (at homestead), 27:Play (outside the homestead), 88:Other (specify)

[90] ch_time_25: How does %childrespname% usually spend their time between 17:00 and 17:30?

Categories: 1:Get ready, 2:Prepare/eat a meal, 3:Go to school (including travel to school), 4:Go to duksi/madrasa/other religious education, 5:Do homework / study (at home), 6:Do homework / study (in neighbourhood), 7:Do household chores (incl. cleaning dwelling/compound), 8:Wash clothes, 9:Fetch water, 10:Collect firewood, 11:Buy household goods, 12:Go to the farm / work on a plot, 13:Take care / feed animals, 14:Caring for siblings, sick, elderly, disabled, 15:Go to/from work, 16:Help with the household business, 17:Selling anything at market/ street/ mobile, 18:Other work, 19:Take a walk, 20:Listen to radio, 21:Watch television, 22:Read, 23:Rest, 24:Religious activities (e.g. pray, reciting), 25:Attend some entertainment, 26:Play (at homestead), 27:Play (outside the homestead), 88:Other (specify)

[91] ch_time_26: How does %childrespname% usually spend their time between 17:30 and 18:00?
Categories: 1:Get ready, 2:Prepare/eat a meal, 3:Go to school (including travel to school), 4:Go to duksi/madrasa/other religious education, 5:Do homework / study (at home), 6:Do homework / study (in neighbourhood), 7:Do household chores (incl. cleaning dwelling/compound), 8:Wash clothes, 9:Fetch water, 10:Collect firewood, 11:Buy household goods, 12:Go to the farm / work on a plot, 13:Take care / feed animals, 14:Caring for siblings, sick, elderly, disabled, 15:Go to/from work, 16:Help with the household business, 17:Selling anything at market/ street/ mobile, 18:Other work, 19:Take a walk, 20:Listen to radio, 21:Watch television, 22:Read, 23:Rest, 24:Religious activities (e.g. pray, reciting), 25:Attend some entertainment, 26:Play (at homestead), 27:Play (outside the homestead), 88:Other (specify)

[92] ch_time_27: How does %childrespname% usually spend their time between 18:00 and 18:30?
Categories: 1:Get ready, 2:Prepare/eat a meal, 3:Go to school (including travel to school), 4:Go to duksi/madrasa/other religious education, 5:Do homework / study (at home), 6:Do homework / study (in neighbourhood), 7:Do household chores (incl. cleaning dwelling/compound), 8:Wash clothes, 9:Fetch water, 10:Collect firewood, 11:Buy household goods, 12:Go to the farm / work on a plot, 13:Take care / feed animals, 14:Caring for siblings, sick, elderly, disabled, 15:Go to/from work, 16:Help with the household business, 17:Selling anything at market/ street/ mobile, 18:Other work, 19:Take a walk, 20:Listen to radio, 21:Watch television, 22:Read, 23:Rest, 24:Religious activities (e.g. pray, reciting), 25:Attend some entertainment, 26:Play (at homestead), 27:Play (outside the homestead), 88:Other (specify)

[93] ch_time_28: How does %childrespname% usually spend their time between 18:30 and 19:00?
Categories: 1:Get ready, 2:Prepare/eat a meal, 3:Go to school (including travel to school), 4:Go to duksi/madrasa/other religious education, 5:Do homework / study (at home), 6:Do homework / study (in neighbourhood), 7:Do household chores (incl. cleaning dwelling/compound), 8:Wash clothes, 9:Fetch water, 10:Collect firewood, 11:Buy household goods, 12:Go to the farm / work on a plot, 13:Take care / feed animals, 14:Caring for siblings, sick, elderly, disabled, 15:Go to/from work, 16:Help with the household business, 17:Selling anything at market/ street/ mobile, 18:Other work, 19:Take a walk, 20:Listen to radio, 21:Watch television, 22:Read, 23:Rest, 24:Religious activities (e.g. pray, reciting), 25:Attend some entertainment, 26:Play (at homestead), 27:Play (outside the homestead), 88:Other (specify)

[94] ch_time_29: How does %childrespname% usually spend their time between 19:00 and 19:30?
Categories: 1:Get ready, 2:Prepare/eat a meal, 3:Go to school (including travel to school), 4:Go to duksi/madrasa/other religious education, 5:Do homework / study (at home), 6:Do homework / study (in neighbourhood), 7:Do household chores (incl. cleaning dwelling/compound), 8:Wash clothes, 9:Fetch water, 10:Collect firewood, 11:Buy household goods, 12:Go to the farm / work on a plot, 13:Take care / feed animals, 14:Caring for siblings, sick, elderly, disabled, 15:Go to/from work, 16:Help with the household business, 17:Selling anything at market/ street/ mobile, 18:Other work, 19:Take a walk, 20:Listen to radio, 21:Watch television, 22:Read, 23:Rest, 24:Religious activities (e.g. pray, reciting), 25:Attend some entertainment, 26:Play (at homestead), 27:Play (outside the homestead), 88:Other (specify)

[95] ch_time_30: How does %childrespname% usually spend their time between 19:30 and 20:00?
Categories: 1:Get ready, 2:Prepare/eat a meal, 3:Go to school (including travel to school), 4:Go to duksi/madrasa/other religious education, 5:Do homework / study (at home), 6:Do homework / study (in neighbourhood), 7:Do household chores (incl. cleaning dwelling/compound), 8:Wash clothes, 9:Fetch water, 10:Collect firewood, 11:Buy household goods, 12:Go to the farm / work on a plot, 13:Take care / feed animals, 14:Caring for siblings, sick, elderly, disabled, 15:Go to/from work, 16:Help with the household business, 17:Selling anything at market/ street/ mobile, 18:Other work, 19:Take a walk, 20:Listen to radio, 21:Watch television, 22:Read, 23:Rest, 24:Religious activities (e.g. pray, reciting), 25:Attend some entertainment, 26:Play (at homestead), 27:Play (outside the homestead), 88:Other (specify)

[96] ch_time_31: How does %childrespname% usually spend their time between 20:00 and 20:30?
Categories: 1:Get ready, 2:Prepare/eat a meal, 3:Go to school (including travel to school), 4:Go to duksi/madrasa/other religious education, 5:Do homework / study (at home), 6:Do homework / study (in neighbourhood), 7:Do household chores (incl. cleaning dwelling/compound), 8:Wash clothes, 9:Fetch water, 10:Collect firewood, 11:Buy household goods, 12:Go to the farm / work on a plot, 13:Take care / feed animals, 14:Caring for siblings, sick, elderly, disabled, 15:Go to/from work, 16:Help with the household business, 17:Selling anything at market/ street/ mobile, 18:Other work, 19:Take a walk, 20:Listen to radio, 21:Watch television, 22:Read, 23:Rest, 24:Religious activities (e.g. pray, reciting), 25:Attend some entertainment, 26:Play (at homestead), 27:Play (outside the homestead), 88:Other (specify)

[97] ch_time_32: How does %childrespname% usually spend their time between 20:30 and 21:00?
Categories: 1:Get ready, 2:Prepare/eat a meal, 3:Go to school (including travel to school), 4:Go to duksi/madrasa/other religious education, 5:Do homework / study (at home), 6:Do homework / study (in neighbourhood), 7:Do household chores (incl. cleaning dwelling/compound), 8:Wash clothes, 9:Fetch water, 10:Collect firewood, 11:Buy household goods, 12:Go to the farm / work on a plot, 13:Take care / feed animals, 14:Caring for siblings, sick, elderly, disabled, 15:Go to/from work, 16:Help with the household business, 17:Selling anything at market/ street/ mobile, 18:Other work, 19:Take a walk, 20:Listen to radio, 21:Watch television, 22:Read, 23:Rest, 24:Religious activities (e.g. pray, reciting), 25:Attend some entertainment, 26:Play (at homestead), 27:Play (outside the homestead), 88:Other (specify)

[98] ch_time_33: How does %childrespname% usually spend their time between 21:00 and 21:30?
Categories: 1:Get ready, 2:Prepare/eat a meal, 3:Go to school (including travel to school), 4:Go to duksi/madrasa/other religious education, 5:Do homework / study (at home), 6:Do homework / study (in neighbourhood), 7:Do household chores (incl. cleaning dwelling/compound), 8:Wash clothes, 9:Fetch water, 10:Collect firewood, 11:Buy household goods, 12:Go to the farm / work on a plot, 13:Take care / feed animals, 14:Caring for siblings, sick, elderly, disabled, 15:Go to/from work, 16:Help with the household business, 17:Selling anything at market/ street/ mobile, 18:Other work, 19:Take a walk, 20:Listen to radio, 21:Watch television, 22:Read, 23:Rest, 24:Religious activities (e.g. pray, reciting), 25:Attend some entertainment, 26:Play (at homestead), 27:Play (outside the homestead), 88:Other (specify)

[99] ch_time_34: How does %childrespname% usually spend their time between 21:30 and 22:00?
Categories: 1:Get ready, 2:Prepare/eat a meal, 3:Go to school (including travel to school), 4:Go to duksi/madrasa/other religious education, 5:Do homework / study (at home), 6:Do homework / study (in neighbourhood), 7:Do household chores (incl. cleaning dwelling/compound), 8:Wash clothes, 9:Fetch water, 10:Collect firewood, 11:Buy household goods, 12:Go to the farm / work on a plot, 13:Take care / feed animals, 14:Caring for siblings, sick, elderly, disabled, 15:Go to/from work, 16:Help with the household business, 17:Selling anything at market/ street/ mo

bile, 18：Other work, 19：Take a walk, 20：Listen to radio, 21：Watch television, 22：Read, 23：Rest, 24：Religious activities (e.g. pray, reciting), 25：Attend some entertainment, 26：Play (at homestead), 27：Play (outside the homestead), 88：Other (specify)

[100] ch_time_35: How does %childrespname% usually spend their time between 22:00 and 22:30?
Categories: 1：Get ready, 2：Prepare/eat a meal, 3：Go to school (including travel to school), 4：Go to duksi/madrasa/other religious education, 5：Do homework / study (at home), 6：Do homework / study (in neighbourhood), 7：Do household chores (incl. cleaning dwelling/compound), 8：Wash clothes, 9：Fetch water, 10：Collect firewood, 11：Buy household goods, 12：Go to the farm / work on a plot, 13：Take care / feed animals, 14：Caring for siblings, sick, elderly, disabled, 15：Go to/from work, 16：Help with the household business, 17：Selling anything at market/ street/ mobile, 18：Other work, 19：Take a walk, 20：Listen to radio, 21：Watch television, 22：Read, 23：Rest, 24：Religious activities (e.g. pray, reciting), 25：Attend some entertainment, 26：Play (at homestead), 27：Play (outside the homestead), 88：Other (specify)

[101] ch_time_36: How does %childrespname% usually spend their time between 22:30 and 23:00?
Categories: 1：Get ready, 2：Prepare/eat a meal, 3：Go to school (including travel to school), 4：Go to duksi/madrasa/other religious education, 5：Do homework / study (at home), 6：Do homework / study (in neighbourhood), 7：Do household chores (incl. cleaning dwelling/compound), 8：Wash clothes, 9：Fetch water, 10：Collect firewood, 11：Buy household goods, 12：Go to the farm / work on a plot, 13：Take care / feed animals, 14：Caring for siblings, sick, elderly, disabled, 15：Go to/from work, 16：Help with the household business, 17：Selling anything at market/ street/ mobile, 18：Other work, 19：Take a walk, 20：Listen to radio, 21：Watch television, 22：Read, 23：Rest, 24：Religious activities (e.g. pray, reciting), 25：Attend some entertainment, 26：Play (at homestead), 27：Play (outside the homestead), 88：Other (specify)

[102] ch_time_37: How does %childrespname% usually spend their time between 23:00 and 23:30?
Categories: 1：Get ready, 2：Prepare/eat a meal, 3：Go to school (including travel to school), 4：Go to duksi/madrasa/other religious education, 5：Do homework / study (at home), 6：Do homework / study (in neighbourhood), 7：Do household chores (incl. cleaning dwelling/compound), 8：Wash clothes, 9：Fetch water, 10：Collect firewood, 11：Buy household goods, 12：Go to the farm / work on a plot, 13：Take care / feed animals, 14：Caring for siblings, sick, elderly, disabled, 15：Go to/from work, 16：Help with the household business, 17：Selling anything at market/ street/ mobile, 18：Other work, 19：Take a walk, 20：Listen to radio, 21：Watch television, 22：Read, 23：Rest, 24：Religious activities (e.g. pray, reciting), 25：Attend some entertainment, 26：Play (at homestead), 27：Play (outside the homestead), 88：Other (specify)

[103] ch_time_38: How does %childrespname% usually spend their time between 23:30 and 00:00 (midnight)?
Categories: 1：Get ready, 2：Prepare/eat a meal, 3：Go to school (including travel to school), 4：Go to duksi/madrasa/other religious education, 5：Do homework / study (at home), 6：Do homework / study (in neighbourhood), 7：Do household chores (incl. cleaning dwelling/compound), 8：Wash clothes, 9：Fetch water, 10：Collect firewood, 11：Buy household goods, 12：Go to the farm / work on a plot, 13：Take care / feed animals, 14：Caring for siblings, sick, elderly, disabled, 15：Go to/from work, 16：Help with the household business, 17：Selling anything at market/ street/ mobile, 18：Other work, 19：Take a walk, 20：Listen to radio, 21：Watch television, 22：Read, 23：Rest, 24：Religious activities (e.g. pray, reciting), 25：Attend some entertainment, 26：Play (at homestead), 27：Play (outside the homestead), 88：Other (specify)

[104] ch_time_39: How does %childrespname% usually spend their time between 00:00 (midnight) and 00:30?
Categories: 1：Get ready, 2：Prepare/eat a meal, 3：Go to school (including travel to school), 4：Go to duksi/madrasa/other religious education, 5：Do homework / study (at home), 6：Do homework / study (in neighbourhood), 7：Do household chores (incl. cleaning dwelling/compound), 8：Wash clothes, 9：Fetch water, 10：Collect firewood, 11：Buy household goods, 12：Go to the farm / work on a plot, 13：Take care / feed animals, 14：Caring for siblings, sick, elderly, disabled, 15：Go to/from work, 16：Help with the household business, 17：Selling anything at market/ street/ mobile, 18：Other work, 19：Take a walk, 20：Listen to radio, 21：Watch television, 22：Read, 23：Rest, 24：Religious activities (e.g. pray, reciting), 25：Attend some entertainment, 26：Play (at homestead), 27：Play (outside the homestead), 88：Other (specify)

[105] ch_time_40: How does %childrespname% usually spend their time between 00:30 and 01:00?
Categories: 1：Get ready, 2：Prepare/eat a meal, 3：Go to school (including travel to school), 4：Go to duksi/madrasa/other religious education, 5：Do homework / study (at home), 6：Do homework / study (in neighbourhood), 7：Do household chores (incl. cleaning dwelling/compound), 8：Wash clothes, 9：Fetch water, 10：Collect firewood, 11：Buy household goods, 12：Go to the farm / work on a plot, 13：Take care / feed animals, 14：Caring for siblings, sick, elderly, disabled, 15：Go to/from work, 16：Help with the household business, 17：Selling anything at market/ street/ mobile, 18：Other work, 19：Take a walk, 20：Listen to radio, 21：Watch television, 22：Read, 23：Rest, 24：Religious activities (e.g. pray, reciting), 25：Attend some entertainment, 26：Play (at homestead), 27：Play (outside the homestead), 88：Other (specify)

[106] ch_time_41: How does %childrespname% usually spend their time between 01:00 and 01:30?
Categories: 1：Get ready, 2：Prepare/eat a meal, 3：Go to school (including travel to school), 4：Go to duksi/madrasa/other religious education, 5：Do homework / study (at home), 6：Do homework / study (in neighbourhood), 7：Do household chores (incl. cleaning dwelling/compound), 8：Wash clothes, 9：Fetch water, 10：Collect firewood, 11：Buy household goods, 12：Go to the farm / work on a plot, 13：Take care / feed animals, 14：Caring for siblings, sick, elderly, disabled, 15：Go to/from work, 16：Help with the household business, 17：Selling anything at market/ street/ mobile, 18：Other work, 19：Take a walk, 20：Listen to radio, 21：Watch television, 22：Read, 23：Rest, 24：Religious activities (e.g. pray, reciting), 25：Attend some entertainment, 26：Play (at homestead), 27：Play (outside the homestead), 88：Other (specify)

[107] ch_time_42: How does %childrespname% usually spend their time between 01:30 and 02:00?
Categories: 1：Get ready, 2：Prepare/eat a meal, 3：Go to school (including travel to school), 4：Go to duksi/madrasa/other religious education, 5：Do homework / study (at home), 6：Do homework / study (in neighbourhood), 7：Do household chores (incl. cleaning dwelling/compound), 8：Wash clothes, 9：Fetch water, 10：Collect firewood, 11：Buy household goods, 12：Go to the farm / work on a plot, 13：Take care / feed animals, 14：Caring for siblings, sick, elderly, disabled, 15：Go to/from work, 16：Help with the household business, 17：Selling anything at market/ street/ mobile, 18：Other work, 19：Take a walk, 20：Listen to radio, 21：Watch television, 22：Read, 23：Rest, 24：Religious activities (e.g. pray, reciting), 25：Attend some entertainment, 26：Play (at homestead), 27：Play (outside the homestead), 88：Other (specify)

[108] ch_time_43: How does %childrespname% usually spend their time between 02:00 and 02:30?
Categories: 1：Get ready, 2：Prepare/eat a meal, 3：Go to school (including travel to school), 4：Go to duksi/madrasa/other religious education, 5：Do homework / study (at home), 6：Do homework / study (in neighbourhood), 7：Do household chores (incl. cleaning dwelling/compound), 8：Wash clothes, 9：Fetch water, 10：Collect firewood, 11：Buy household goods, 12：Go to the farm / work on a plot, 13：Take care / feed animals, 14：Caring for siblings, sick, elderly, disabled, 15：Go to/from work, 16：Help with the household business, 17：Selling anything at market/ street/ mobile, 18：Other work, 19：Take a walk, 20：Listen to radio, 21：Watch television, 22：Read, 23：Rest, 24：Religious activities (e.g. pray, reciting), 25：Attend some entertainment, 26：Play (at homestead), 27：Play (outside the homestead), 88：Other (specify)

[109] ch_time_44: How does %childrespname% usually spend their time between 02:30 and 03:00?

Categories: 1: Get ready, 2: Prepare/eat a meal, 3: Go to school (including travel to school), 4: Go to duksi/madrasa/other religious education, 5: Do homework / study (at home), 6: Do homework / study (in neighbourhood), 7: Do household chores (incl. cleaning dwelling/compound), 8: Wash clothes, 9: Fetch water, 10: Collect firewood, 11: Buy household goods, 12: Go to the farm / work on a plot, 13: Take care / feed animals, 14: Caring for siblings, sick, elderly, disabled, 15: Go to/from work, 16: Help with the household business, 17: Selling anything at market/ street/ mobile, 18: Other work, 19: Take a walk, 20: Listen to radio, 21: Watch television, 22: Read, 23: Rest, 24: Religious activities (e.g. pray, reciting), 25: Attend some entertainment, 26: Play (at homestead), 27: Play (outside the homestead), 88: Other (specify)

APPENDIX E — VARIABLES

[1] childprim914:
memdetroster.Where(p=>IsAnswered(p.list) && IsAnswered(p.memagey) && IsAnswered(p.edugrd)).Where(p=>p.memagey.InRange(9,14) && p.edugrd.InRange(1,8)).OrderBy(p=>p.memagey).ThenBy(p=>p.edugrd).First().@rowcode

[2] childprim:
memdetroster.Where(p=>IsAnswered(p.list) && IsAnswered(p.memagey) && IsAnswered(p.edugrd)).Where(p=>p.edugrd.InRange(1,8)).OrderBy(p=>p.memagey).ThenBy(p=>p.edugrd).First().@rowcode

APPENDIX F — CATEGORIES FILTERS

[1] asawd: What alternative sources of lighting have you heard about?
(@optioncode==1 && lightsr.No.Contains(1)) || (@optioncode==2 && lightsr.No.Contains(2)) || (@optioncode==3 && lightsr.No.Contains(3)) ||
(@optioncode==4 && lightsr.No.Contains(4)) || (@optioncode==5 && lightsr.No.Contains(5)) || (@optioncode==6 && lightsr.No.Contains(6)) ||
(@optioncode==7 && lightsr.No.Contains(7)) || ((@optioncode==8 || @optioncode==9 || @optioncode==10 || @optioncode==88) &&
asaw==1) || (@optioncode==11 && lightsr.No.Contains(13)) || (@optioncode==12 && lightsr.No.Contains(14))

LEGEND

Legend and structure of information in this file

Name of section

Enabling condition for this section　　　**Type of question, scope**　　　**Variable name**

Question title　　　**Answer options**

SECTION 5: OTHER INCOME SOURCES
E s4_other_sources_which.Contains(98)

Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur?

I **This refers to family relations**
E s3_time_other > 0
V1 s4_rel_leaders_which.Contains(98)
M1 **Can not be itself**
V2 (s3_time_other_breeding_advice <= (50 - s3_time_art_in-sem_advice)) ||s3_time_other_breeding_advice == 0
M2 **This person is not in the list**
F optioncode != s5_ignored_option_code

MULTI-SELECT
SCOPE: PREFILLED　　　　s4_rel_leaders_other

01 ☐ **Community animal health workers**

02 ☐ **Private**

03 ☐ **Government**

04 ☐ **Livestock keepers association**

05 ☐ **NGO**

And **5 other [13]**

Additional information:
　"I" — Question instruction
　"E" — Enabling condition
"V1" — Validation condition №1
"M1" — Message for validation №1
　"F" — Filter in Categorical questions

Link to full set in appendix

Breadcrumbs

Type or roster

Roster Title

CHAPTER 3 IDENTIFICATION /
Roster: **LEADER RELATION DETAILS**
generated by fixed list:

01 **Ward Livestock Officer**

02 **Village Livestock Officer**

99 **Other (specify)**

List items