SENS Version 3 - Webinar 4

Wednesday, October 28th 2020
CartONG
Agenda of Webinar 4

• Overview of the structure of SENS V3 Forms.

• Overview of new aspects in SENS V3 Forms:
  – Consent (for use of Mobile Data Collection, interview, measurements and GPS);
  – Demography and Mortality;
  – Anthropometry and health, Anaemia and IYCF;
  – Food security, Mosquito Net Coverage and WASH.

• Overview of how to adapt the SENS V3 Forms.
Overview of SENS V3 Forms (1)

- There are 5 Global SENS Mobile templates:
  - Global V3 SENS Demography (GLO_V3_DM_EN_FR_AR_SW_01-XLS)
  - Global V3 SENS Demography and Mortality (GLO_V3_DM_MOR_EN_FR_AR_SW_01-XLS)
  - Global V3 SENS Food security, Mosquito, WASH (GLO_V3_FS_NET_WS_EN_FR_AR_SW_01-XLS)
  - Global V3 SENS Infant and Child Questionnaire (GLO_V3_PH_Child_EN_FR_AR_SW_01-XLS)
  - Global V3 SENS Women Questionnaire (GLO_V3_Women_EN_FR_AR_SW_01-XLS)
Overview of SENS V3 Forms (2)

Module 1: Demography and Mortality
- If you wish to collect data for Demography ONLY: use Global V3 SENS Demography form
- If you wish to collect data for both Demography and Mortality: use Global V3 SENS Demography and Mortality form

Module 2: Anthropometry and Health
- Children: use Global V3 SENS Infant and Child Questionnaire
- Women: use Global V3 SENS Women Questionnaire

Module 3: Anaemia
- Children: use Global V3 SENS Infant and Child Questionnaire
- Women: use Global V3 SENS Women Questionnaire
Overview of SENS V3 Forms (3)

Module 4: IYCF
- use Global V3 SENS Infant and Child Questionnaire

Module 5: Food Security
- use Global V3 SENS Food security, Mosquito, WASH form

Module 6: Mosquito Net Coverage
- use Global V3 SENS Food security, Mosquito, WASH form

Module 7: WASH
- use Global V3 SENS Food security, Mosquito, WASH form
Overview of SENS V3 Forms (4)
Structure of Consent in SENS V3 Forms

- **Module 1: Demography and Mortality**
  - Question on Consent on use of MDC for interview;
  - Question on Consent on use of GPS.

- **Modules 2-4: Anthropometry and health, Anaemia, IYCF**
  - Consent for interview and measurements in Child form;
  - Consent for interview and measurements in Women form;
  - GPS coordinates are collected in both forms if consent in Module 1 is “Yes”. *(This needs to be set up! – by default the question is hidden)*

- **Modules 5-7: Food security, Mosquito Net Coverage, WASH**
  - Consent for interview on Food security;
  - Consent for interview on Mosquito Net Coverage;
  - Consent for interview on WASH;
  - GPS coordinates are collected at the end of the form if consent in Module 1 is “Yes”. *(This needs to be set up! – by default the question is hidden)*
Consent – Module 1

- The consent on the use of MDC is asked at the very beginning of the survey, in the Demography and Mortality Module (Module 1).
- If answer is “Yes”, you can start conducting the interview on mobile phones.
- If answer is “No”, stop the interview on mobile phones there.
- The question on consent is exactly the same whether you use the Demography or the Demography and Mortality form.
Consent – Modules 2-4

- Consent for interview and measurements for Modules 2-4 (Anthropometry and health, Anaemia, IYCF) are in the Child and Woman Form:
  - **Child**: consent is asked for every child to be measured and included in the interview;
  - **Woman**: consent is asked from every women to be interviewed and measured;
  - If the answer is “No” to any one of the children or women, you will proceed with the next eligible child or woman asking for consent.
Consent – Modules 5-7

- Consent for interview for **Modules 5-7** (Food security, Mosquito Net Coverage, WASH) are in the Food security, Mosquito Net Coverage and WASH form.
- If the answer is **"No"** to one of the modules above you will be guided to the next module in the Household form and ask consent.
Consent – GPS (1)

- The consent for taking the GPS coordinates of the household is asked at the end of the Demography and Mortality Module (Module 1) (when enabled).
- If answer is “Yes”, you can collect the GPS coordinates whenever the question appears.
- If answer is “No”, skip the question on GPS coordinates whenever you come across it.
- The question on consent for GPS is exactly the same whether you use the Demography or the Demography and Mortality form.
Consent – GPS (2)

- There are 3 different options in the SENS V3 forms where GPS coordinates can be collected:
  - **Food security, Mosquito Net Coverage and WASH form:** at the end of the form (if consent is “Yes” for at least 1 Module in the form);
  - **Child form:** at the end of the form;
  - **Woman form:** at the end of the form.

Please note: You need to choose prior starting the survey if and where collecting GPS coordinates makes sense. Tips to be found [here](#).
Demography V3 Form

- Depending on whether you need to measure Mortality or not, you will either use the Demography or the Demography and Mortality form.
- The Demography form will look into the size of the household and its demographics.
Demography and Mortality V3 Form

- The Demography and Mortality Form is a Demography form augmented by two components:
  - Household members that have left the household since a specific start date.
  - Household members that have died since a specific start date.
Instructions for Analysis of Mortality Data

- **Instructions** on how to proceed to analysis of data collected with the Demography and Mortality form are available (using ENA software).

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**Module 1**

### INSTRUCTIONS FOR ANALYSIS OF MORTALITY FORM (GENS)

1. **Introduction**
   
   This document explains how to use the data from the GENs Mortality form ("N8O_DMG_GEN_Fсмерт.mdb") and prepares it for analysis with ENA software.

2. **Summary of steps**

   **Aggregates:**
   
   - Extract the data from the Aggregate server by using BioFrame (as usual).
   - There are 3 files of measure = "A", "B" (the household), "C" (that Data).
   - Create a "Modified_gen_Gen smoothed" tab in each of the files where you only extract the columns necessary for ENA. These columns are identified by "ENA" as a prefix in the name of the columns. Everything not marked in this way should not be included.
   - Consolidate the data into any of the 3 files. The order of the columns in each file is exactly the same — you can simply copy-paste from one file to the other.
   - Copy and paste the remaining columns into ENA and re-apply the settings in ENA by following the steps mentioned under "1. Import data into ENA" in the document.
   - If the above steps have been followed accurately, only the columns corresponding to ENA’s analysis will be left.

   **Kobo Toolbox:**
   
   - Extract the data from the Kobo Toolbox server in "CSV format" with "ENA values and headers".
   - There are 3 tabs of measure in 3 files — "A" (in Household), "B" (that Left), "C" (that Data). They contain the data for each family member.
   - Create a "Modified_kobo_Gen smoothed" tab next to each of the kobo/ID tabs where you only extract the columns necessary for ENA. These columns are identified by "ENA" as a prefix in the name of the columns. Everything not marked in this way should not be included.
   - Consolidate the data into a new tab called "Combined data 1 and 2". The order of the columns in each file is exactly the same — you can simply copy-paste from one file to the other.
   - Copy and paste the remaining columns into ENA and re-apply the settings in ENA by following the steps mentioned under "1. Import data into ENA" in the document.
   - If the above steps have been followed accurately, only the columns corresponding to ENA’s analysis will be left.

3. **Output data from Aggregate**

   The data of interest is contained in 3 files — one per group: A (in Household), B (that Left), and C (that Data) groups.
Anthropometry and health, Anaemia and IYCF

- New aspects in Global SENS V3 Infant and Child form:
  - Z-scores computed in the form;
  - Flags for SAM, MAM and Anaemia;
  - Second measure for SAM;
  - Revised IYCF section.
Flag for SAM

- Flag for **Severe Acute Malnutrition (SAM)** is triggered in the form for each child when:
  - MUAC<115mm AND/OR
  - Bilateral oedema = Yes AND/OR
  - WHZ<-3 AND
  - Enrolment for malnutrition treatment programme = No / Don’t know.

- If a SAM is detected a **second measure** of the child will be required in the form.
Flag for MAM

- Flag for Moderate Acute Malnutrition (MAM) is triggered in the form for each child when:
  - 115mm<MUAC<125mm AND/OR
  - -3<WHZ<-2 AND
  - Enrolment for malnutrition treatment programme = No / Don’t know.

- A second measure of the child could be required in the form if weight and height figures seem impossible or implausible.

Child questionnaire: > 1

- Child 1 needs to be referred for moderate acute malnutrition (MAM), please fill out a referral form: one slip is for the mother/caregiver and the other is for the health facility.

(if MUAC>125mm and >115mm and/or WHZ<-2 and WHZ>3 and if Enrolment for malnutrition treatment programme was set to "No" or "Don't know").
Flag for Anaemia

- Flag for **Severe Anaemia** is triggered in the form for each child when:
  - Hb<7.0g/dL measured (including altitude correction if present)

- If a Severe Anaemia is detected the enumerator will have to fill out a **referral form**: one slip for the mother/caregiver and another for the health facility.
Altitude based haemoglobin CUTOFF

- In both the Child and Woman form, a tab with CUTOFF altitude values is available for you to be able to adapt the CUTOFF for haemoglobin in your Child and Woman form to your context.
Reduced Coping Strategy Index (RCSI)

- The Reduced Coping Strategy Index (RCSI) is directly calculated in the Food security database:

\[
\text{RCSI} = (\text{LESSMED} \times 1) + (\text{REDW} \times 2) + (\text{LESSMED} \times 1) + (\text{REDMED} \times 1) + (\text{REDADULT} \times 3)
\]
### Food Consumption Score (FCS)

- Such as the **Food Consumption Score (FCS):**

```excel
<table>
<thead>
<tr>
<th>A</th>
<th>B</th>
<th>C</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>type</td>
<td>name</td>
</tr>
<tr>
<td></td>
<td></td>
<td>calculate</td>
</tr>
<tr>
<td>1</td>
<td></td>
<td>FCS</td>
</tr>
</tbody>
</table>
```

```excel
<table>
<thead>
<tr>
<th>BX</th>
<th>BY</th>
<th>BZ</th>
<th>CA</th>
<th>CB</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>6</td>
</tr>
<tr>
<td>37.5</td>
<td>35</td>
<td>42</td>
<td>50</td>
<td>50</td>
</tr>
<tr>
<td>42</td>
<td>42</td>
<td>35</td>
<td>35</td>
<td>35</td>
</tr>
<tr>
<td>49.5</td>
<td>37</td>
<td>59.5</td>
<td>51.5</td>
<td></td>
</tr>
</tbody>
</table>
```

- Modules 5-7

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[logos] cartong, UNHCR
WASH (1)

- The indicators on water supply, water quantity and defecation were aligned with the UNHCR WASH KAP indicators (and JMP).
  - List of choices in SENS V3 are now aligned.
  - Calculations on water supply and quantity in SENS V3 as well.
WASH (2)

• Calculation of water quantity now takes into account:
  – **Potable water**: water collected from a protected source AND
  – **Protected water**: the container in which water is collected and stored is covered (protected from contamination vectors).
WASH (3)

- New indicator on **access to soap** from UNHCR WASH KAP.
- The household is asked to **show the soap** they have in their household.
- If they are able to show it within 1 minute, it is considered that they have access to soap. Otherwise, there is no access.
- The **time-limit is set at 1 minute**, in order to avoid having them bring soap from somewhere else (neighbors etc).
Introduction to Adaptation (1)

- Each SENS MDC questionnaire is designed to get the best balance of global standardization and localized adaptability.

- Key indicators are comparable from country to country and year to year.

- In order to analyze comparable data from different contexts, local adaptation is required.
Introduction to Adaptation (2)

• The following slides briefly introduce how to adapt the standardized global forms according to the local context.

• Information on what should be changed in the questionnaires is mentioned in the guidance of each module.

• The template form can be quite complex to understand without background, please reach out to the regional office or headquarter for assistance on the adaptation if needed.

• The forms have been published and can be found here.
The XLS Form Mobile Template

- These SENS Global Forms are set up in **XLS form**, a format compatible with many mobile data collection tools, in particular Kobo /ODK Collect.
- There is an **instructions** tab in each form on how to use them.
What to Adapt

• The **administrative information (identification variables):**
  – What are the **identification variables** relevant in your context? Camps, blocks, sections, zones…
  – What **types of questions** are they? Numeric, text, list of options?
  – What are the **constraints** you want to put on the numeric ones (between 1 and 5…)?

• **Make optional questions appear:** the optional questions are hidden by default from your survey and you might need to unhide some of them if necessary.

• **The choice list:** you might need to adapt the choice list, particularly for optional questions.

• **Constraints on other questions:** you might need to add or adapt constraints on some questions adapted to your context.

• **Change the wording:** you might need to adapt the wording of some questions to your context, particularly the optional ones.

• **Add new questions:** you might need to add new questions to your form when necessary.
How to Adapt (1)

- You will find instructions on how to adapt them in the “Instructions” tab in each one of the 5 forms.
- In the “name” column: Red indicates mandatory questions which should not be changed. Green questions are optional and blue questions are modifiable.
- The text in [bracket] is supposed to be added according to the context.
- More hints on adaptation for specific variable can be found in the last comments columns ➔ column called “Comments_for_modification_and_adaptation_of_the_forms:: English”
How to Adapt (2)

• Usual changes:
  – Identification variables: camp names etc.
  – Contextual texts in [bracket]
  – Localize names in “choices” tab
  – Limiting values for constraint

• If you use cluster sampling, remove 1=2 in column “relevant” in “survey” tab.

• Adapt & Save.
How to Adapt (3)

• Change the version number – VERY important!
• “Settings” tab. For example:
  – Form_title: (…) 01
  – Form_id: (…)-AR-SW-1
  – Version: 1

• Rename the XLS form as well so that the version number (01 or V1) is obvious without having to open the file.
How to Adapt the Altitude CUTOFF

- CUTOFF to be adapted in both the Child and Women forms.
- Search for your location in the “HB_CUTOFF” tab, in column “Reduction in individual HB concentration (g/dl)” of the form.
- If you find it: replace the value in calculation column of CUTOFF variable in “survey” tab of your form.
- If you do not find it: keep the CUTOFF at “0” in “survey” tab.