Instructions for analysis of MORTALITY Form (SENS)

# Intro

This document explains how to use the data from the SENS Mortality form (“GLO\_DM\_MOR\_EN\_FR\_AR\_SW”) and prepare it for analysis with ENA software.

# Summary of steps

# Aggregate:

* Extract the data from the Aggregate server by using Briefcase (as usual).
* There are 3 files of interest – “\_H” (in the Household), “\_L” (that Left), “\_D” (that Died). They contain the data for each family member.
* Create a “Modified \_H/\_L/\_D” tab in each of the file where you only extract the columns necessary for ENA. Those 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 by update the settings in EA by following the steps mentioned under “5. Import data into ENA” in this document.
* If the above steps have been followed precisely, only the columns corresponding to ENA’s analysis will be left.

# Kobo Toolbox:

* Extract the data from the Kobo Toolbox server in “XLS format” with “XML values and headers”.
* There are 3 tabs of interest in 1 file – “H” (in the Household), L (that Left), D (that Died). They contain the data for each family member.
* Create a “Modified H/L/D” tab next to each of the H/L/D tabs where you only extract the columns necessary for ENA. Those 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 H L and D”. 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 by update the settings in EA by following the steps mentioned under “5. Import data into ENA” in this document.
* If the above steps have been followed precisely, only the columns corresponding to ENA’s analysis will be left.

# Obtain the data from ODK Aggregate

The data of interest is contained in 3 files – one per group, H (in Household), L (that Left), and D (that Died) groups:

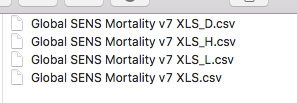


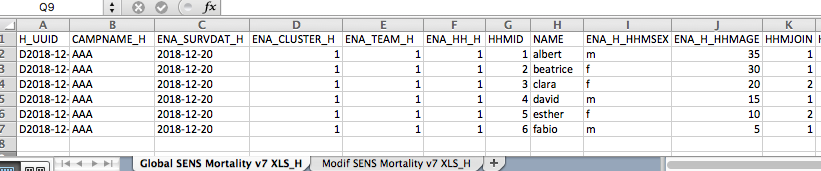
Figure 1: The output data from Aggregate (3 files of interest and main file)

## Remove all unnecessary columns for ENA analysis

The columns required for ENA analysis are prefixed by “ENA\_” in the “\_H”, “\_L” and “\_D” groups (for instance ENA\_H\_HHMAGE). ENA requires exactly those columns so we must delete all others.

In each one of the groups (files), create a second tab where you will paste only the columns with the “ENA\_” prefix and rename it “Modified \_H/\_L/\_D”. Then copy paste all the “ENA\_” prefixed columns one by one to the new tab as follows:

**3.1.1 “\_H” group:**



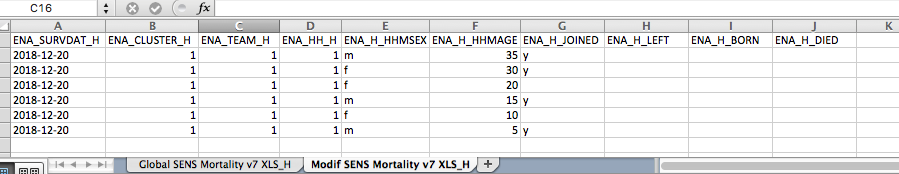
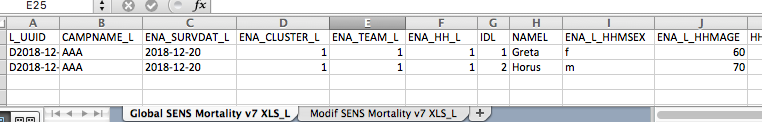


Figure 2: Remaining columns after deletion for “\_H” group

**3.1.2 “\_L” group:**



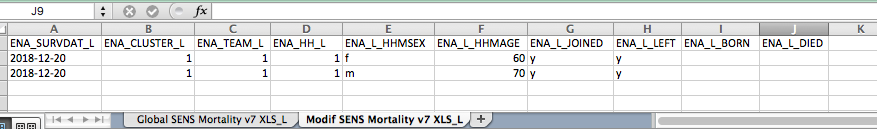
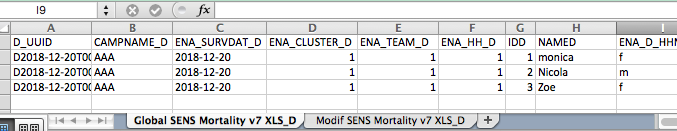


Figure 3: Remaining columns after deletion for “\_L” group

**3.1.3 “\_D” group:**



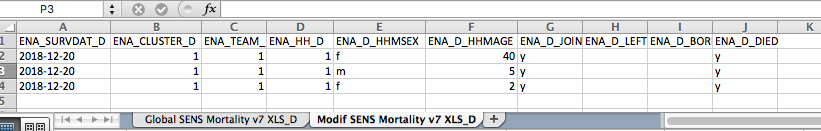


Figure 4: Remaining columns after deletion for “\_D” group

## Combining the data from the modified tabs in a single file

The modified 3 tabs for “\_H”, “\_L” and “\_D” in the above figures are the ones containing the ENA compatible mortality data. They all have the same layout in terms of the order of the columns they contain and the specific names of columns vary slightly.

As the order is the same in all 3 files, create a last tab in one of the 3 files of interest (it doesn’t matter which one), name it “Combined data \_H \_L and \_D” and copy-paste the data from the 3 modified tabs above one after the other. Simply copy and paste the data at the bottom of those already contained in the file. The end result, taking the 3 files above as a starting point, should look like this:

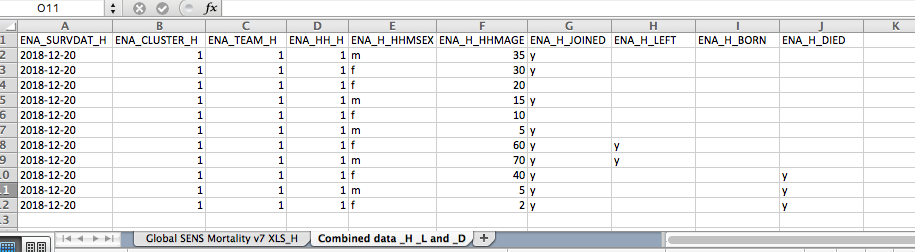


Figure 5: All the ENA compatible Mortality data is now contained in a single file, with only 1 row of headers at the top.

* Copy and paste only the data itself, NOT the headers (first row of each file).

# Obtain the data from Kobo Toolbox

On Kobo, instead of having 4 separate files, all the data is in a single Excel file with 4 tabs, as below:

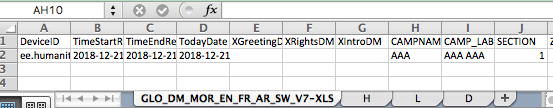


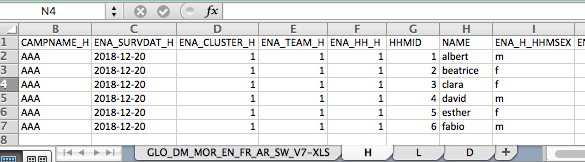
Figure 6: The output data from Kobo (1 file with main data and 3 tabs of interest)

## Remove all unnecessary columns for ENA analysis

The required columns for ENA analysis are prefixed by “ENA\_” in the “H”, “L” and “D” tabs. ENA requires exactly those columns so we must delete all others.

For each one of the tabs, create a second tab where you will paste only the columns with the “ENA\_” prefix and rename it “Modified H/L/D”. Then copy paste all the “ENA\_” prefixed columns one by one to the new tab as follows:

**4.1.1 “H” group:**



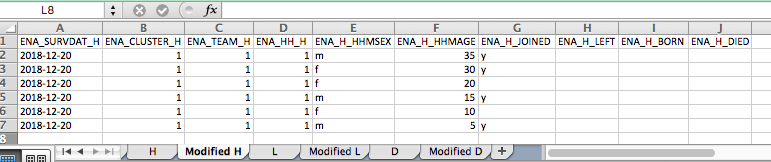
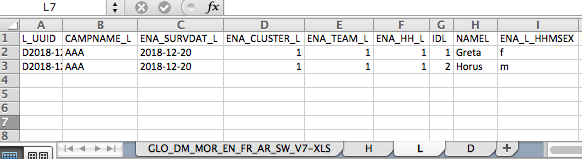


Figure 7: Remaining columns after deletion for “H” group

**4.1.2 “\_L” group:**



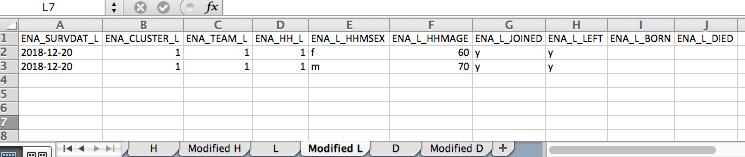
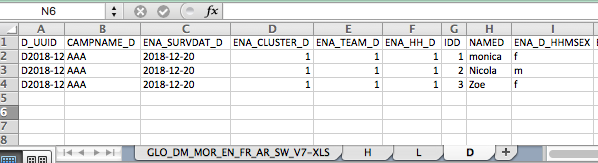


Figure 8: Remaining columns after deletion for “L” group

**4.1.3 “\_D” group:**



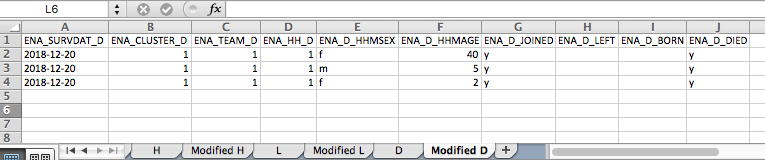


Figure 9: Remaining columns after deletion for “D” group

## Combining the data from the modified tabs in a single file

The modified 3 tabs for “H”, “L” and “H” in the above figures are the ones containing the ENA compatible mortality data. They all have the same layout in terms of the order of the columns they contain and the specific names of columns vary slightly.

As the order is the same in all 3 files, create a last tab in the excel file, name it “Combined data H L and D” and simply copy-paste the data from the 3 modified tabs above one after the other. Simply copy & paste the data at the bottom of those already contained in the file. The end result, taking the 3 tabs above as a starting point, should look like this:

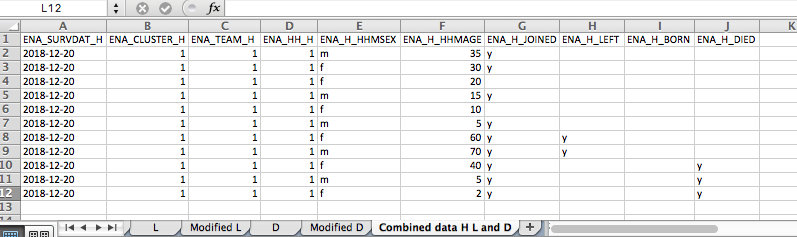


Figure 10: All the ENA compatible Mortality data is now contained in a single tab, with only 1 row of headers at the top.

* Copy and paste only the data itself, NOT the headers (first row of each file).

# Import data into ENA

We then select the data (all columns and rows but *excluding the headers*) that remains and copy it (ctrl + c or right-click), as below:

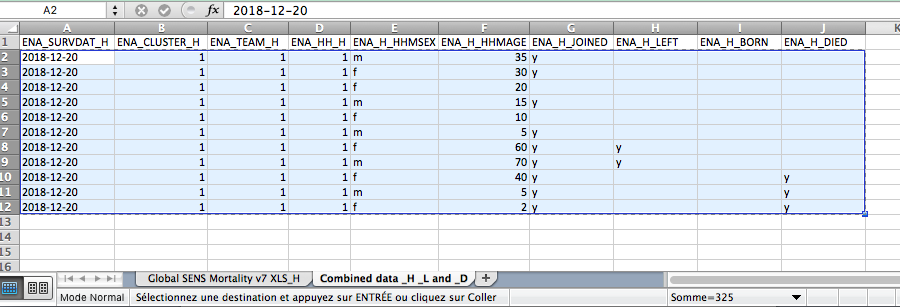


Figure 11: Selecting the data to copy into ENA

Then open the ENA software and follow through the following steps:

1. First go to “Planning” tab of the ENA survey and update the duration of your recall period in the “Recall period of days” field.
2. Then go to “Death rates” tab in ENA software, in “Data Entry Individual Level”.
3. In the “Data of all households” part of the tab, select the first cell (row 1, column “Date”) in.
4. Then click on the clipboard symbol “Paste Data form Clipboard”.

* ENA software will need data in the Cluster column no matter what. Thus, if you have used a simple or systematic random sampling and do not have data for the Cluster column, please still fill it with a random number (“1” for instance).

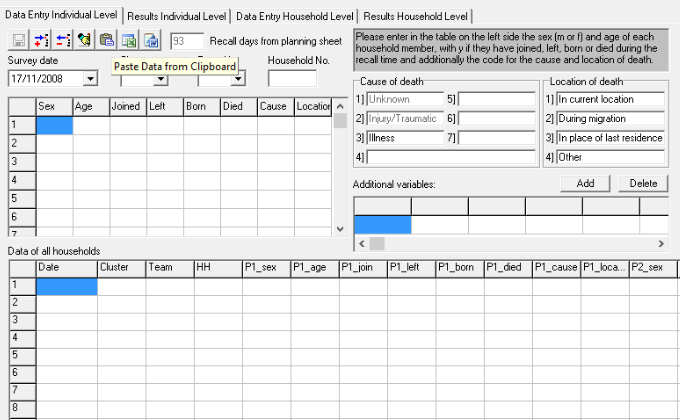


Figure 12: The analysis tab into ENA

1. ENA will then include the data copied from Excel, as below:

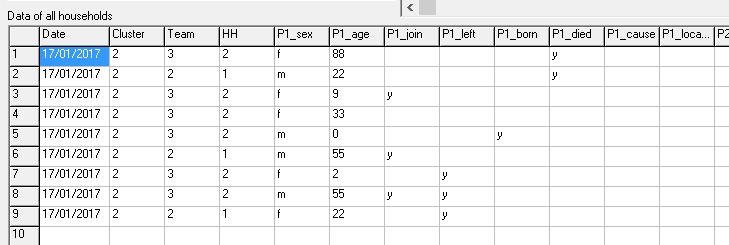


Figure 13: The final data in ENA

1. The results will be available in the tab “Results Individual Level”. The analysis can be done now.

* The last 2 columns, \_cause and \_location are not part of the current form and will always be empty.
* When the data is entered manually, it can be entered as one family per row, whereas the data from Aggregate is structured as one person per row. The end results of the analysis are the same in both cases however.