

# Mobile Data Collection (MDC) with OpenDataKit

2024

Survey Manager Training



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- **105** Introduction to the Platform mandatory
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- Phase 4 Analyze mandatory
- Standard Operating Procedures (SOPs) mandatory





## Introduction

- What is MDC (Mobile Data Collection) ?
- MDC with UNHCR





### What is Mobile Data Collection?

Mobile Data Collection

- MDC: use of new technologies to collect data (smartphones or tablets instead of paper forms).
- Used by CartONG since 2010 with many partners (UNHCR, Terre des Hommes, MSF, Solidarités International, REACH, Caritas, UNICEF, etc.)
- Possible use cases: surveys, assessments (potentially in emergency), tracking (distributions & such), monitoring and evaluation, etc.



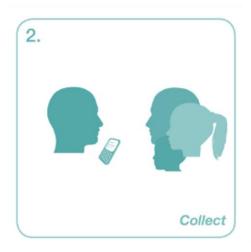


#### MDC

Mobile Data Collection

• Mobile tech is a major improvement in information management (IM).

• It is now possible in real time or near real time to:











## Exercise 1

Mobile Data Collection

MDC Advantages	MDC Disadvantages		



#### Exercise 1

Mobile Data Collection





#### MDC Advantages



Improved data quality and analytical capacities with integrated calculation, data validation constraints, skip logic, ...



Integrated tool to collect different types of multimedia: GPS points, pictures, signatures, audio recordings, barcodes, ...



Time saving: easier and faster analysis



Better day-to-day monitoring of the data collection process and possibility of remote access to data



Cost saving in the long run: less HR resources (no need for data entry clerks)

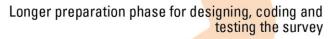


Centralized online archiving: reduced risk of data loss if well managed



Interviewers go lighter in the field

#### MDC Disadvantages





Can be intimidating and create distance with the person interviewed. Not appropriate in some contexts



Can be a safety issue for staff in some contexts (targeting, theft)



Requires more tecnical skills in the project system implementation (longer training, adapted skills)



Fragile and expensive devices at first and risk of technical issues



Dependence on electricity for use and internet connexion for data synchronization



Not adapted for qualitative surveys





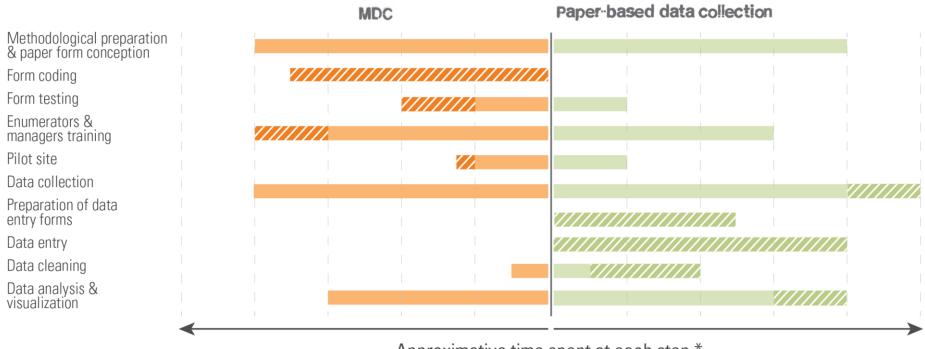


## Data collection workflow (time spent)

Mobile Data Collection

### MDC versus paper-based data collection workflow

approximative time spent at each step







Additional time needed for MDC

Additional time needed for paper-based data collection

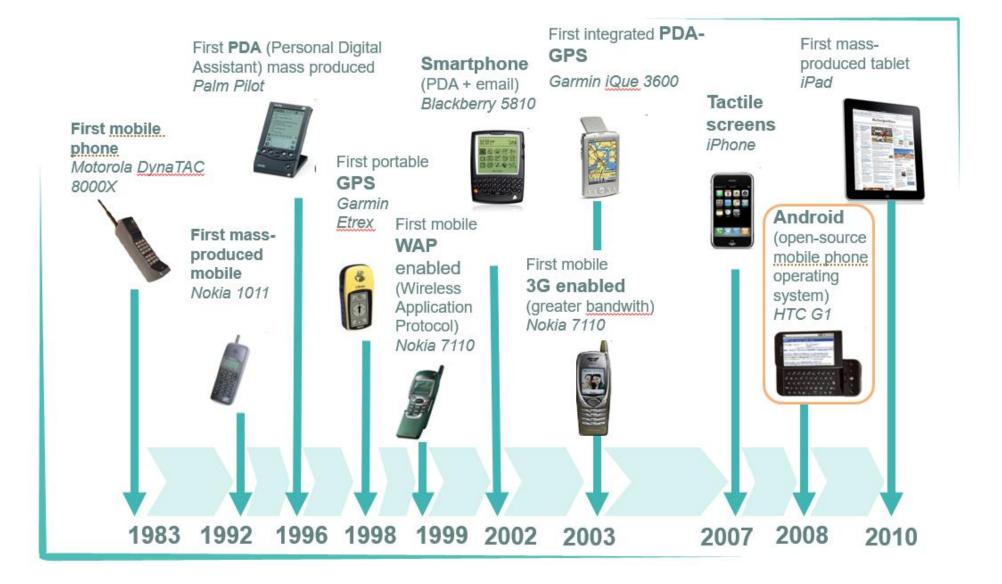




<sup>\*</sup> This illustration is a simplified representation, the associated time can vary significantly from data collection to data collection

## **Evolution of technology**

Mobile Data Collection





## Introduction

- What is MDC (Mobile Data Collection)?
- MDC with UNHCR





## MDC for PHS (UNHCR)

Mobile Data Collection





#### • First deployment :

- Kenya: Mosquito nets with ODK (Open Data Kit) 2010, UNHCR
- Tools: ODK Collect & ODK Aggregate
- Since then, dozens of deployments!



From the field: Sara Hoibak, consultant UNHCR



### Exercise 2

Mobile Data Collection

What are the main phases of a mobile data collection campaign for you?



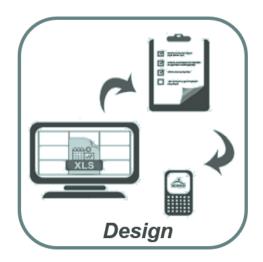


# Phases of a Mobile Data Collection

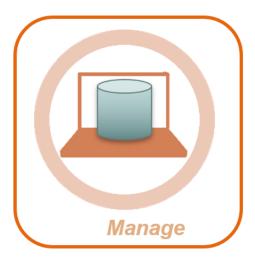




## Phases of an MDC









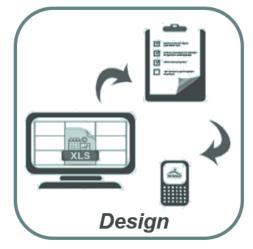
# Phase 1 – How to adapt the SENS MDC questionnaires

Adapt the SENS MDC questionnaires by using XLS Form Global Templates

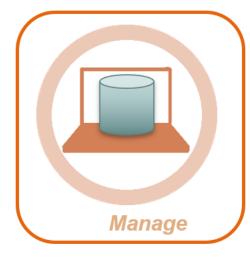




## Phases of an MDC











## Introduction (1) – Design

XLS Form Mobile Templates

 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 are required.

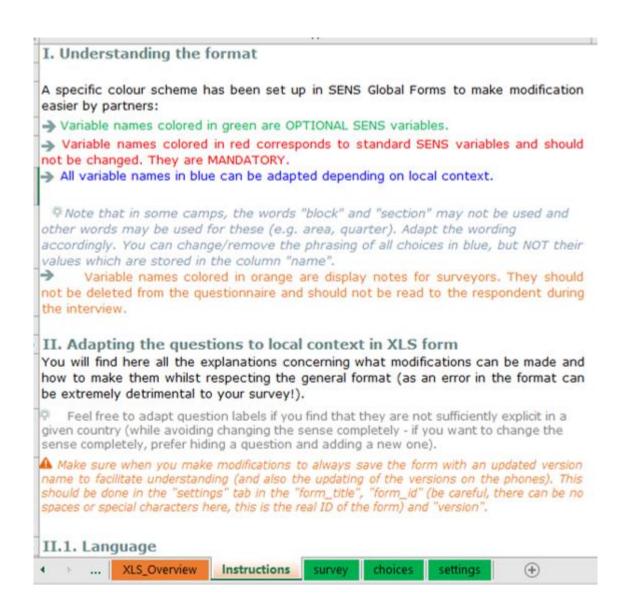
## Introduction (2) - Adaptation

- 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.



### Introduction (3) - What are the Global Forms?

- 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.



#### Exercise 3

- As a group, look at :
  - The paper form,
  - The mobile form.
- And come up with five different types of changes you would like to make to the mobile form (you can open the form on the mobile if it helps).



## What to modify (1)

XLS Form Mobile Templates

#### The administrative information:

- What are the administrative 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...)?



## What to modify (2)

- Add/delete options (adjust according to the module guidance).
- Add/delete a language.
- Add/delete an optional question or module available.
- Change the text of the question or option.
- Change the notification or instruction for question shown on the phone.
- Add a question or option that is not at all available in the global form (such as photos as options of answers for tricky questions)?
- Anything else?



## How to Adapt (1) - Code in forms

- Open "GLO\_Child\_EN\_FR\_AR\_SW-XLS.xls"
- 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.

	name	labels/English	tabel::Français	العربية: label
calculate	CHELIGMAX	Maximum number of months to be eligible:	Nombre maximum de mois pour être éligible:	مد الأقمن لعدد الأشهر أن يكون فاتولي.
calculate	CHELIG			
note	Xconfidential3	EXPLAIN TO THE RESPONDENT THAT THESE QUESTIONS WILL BE KEPT CONFIDENTIAL AND WILL NOT AFFECT THE ASSISTANCE THEY RECEIVE/ARE ENTITLED TO.	EXPLIQUER AU RÉPONDANT QUE LES RÉPONSES À CES QUESTIONS RESTERONT CONFIDENTIELLES ET QUE CELA N'AFFECTERA PAS L'ASSISTANCE QU'ILS REÇOIVENT / À L'AQUELLE ILS ONT DROIT.	رضح للمستحيب بأن فلده الأسالة ستدامل بسرية وأن تؤثر على ساعدة التي يتلقونها أو التي سوف يتلقونها.
select_one arrive	CHARRIVE	Did S(CHNAME) arrive to (camp name/country of asylum) before or after [INSERT THE EVENT RESPONSIBLE FOR THE INFLUX OF REFUGEES)?	Est-ce que S (CHNAME) est arrivé à (nom du camp / pays d'asile) avant ou après (INSÉRER ÉVÈNEMENT RESPONSABLE DU NOUVEL AFFLUX DE RÉFUGIÉS) ? avant ou après (INSÉRER L'ÉVÈNEMENT DECLENCHEUR DU FLUX DE RÉFUGIÉS)?	ل وصل (CHNAME)\$ ل (احم لمخيم / بلك حود) قبل أو بعد [درج المدت المسؤول عن للفق فازهاري]؟
select_one yesno	CHPRES	Is \$(CHNAME) currently present in the household?	S[CHNAME], est-il actuellement présent dans le ménage?	هل (CHNAME) موجود حالياً ضمن الأسرة؟
decimal	WEIGHT	S[CHNAME]'s weight in kilograms (±0, 1kg):	Poids en kilogrammes (±0,1kg) de S[CHNAME]:	وزد (CHNAME) انگیلوجوامات (2.1.5 کیلوجوام):
survey	choices settings	HB_CUTOFF ⊕		1 4



## How to Adapt (2) - Usual Changes

- Usual changes:
  - Admin levels: 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.





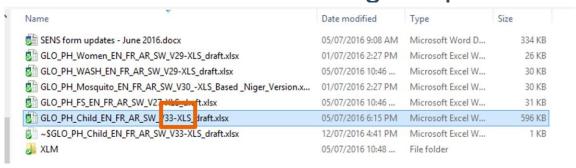
## How to adapt (3)

XLS Form Mobile Templates

- Change the version number VERY important!
- "Settings" tab. For example:
  - Form\_title: (...) V3.3
  - Form\_id: (...)-ref-33-XLS
  - Version: 33



Rename the XLS form as well so that the version number (33 or 3.3) is obvious without having to open the file.





# Phase 2 - Collect : Getting to know ODK Collect

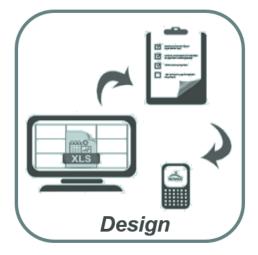
- Initiate smartphone's settings
- Initiate ODK with advanced settings
- ODK data entry, review and edit



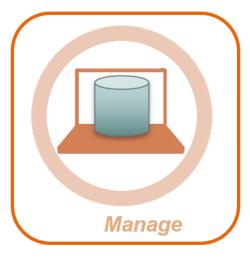


## Phases of a MDC

**ODK Collect** 













## Smartphones (1) - Model

**ODK Collect** 

Sony Experia:

Xiaomi:

Samsung:







Please make sure that you have the latest android enabled phone.

## Smartphone (2) - Control

**ODK Collect** 

- Varies from models to models (layout, buttons physical VS virtual etc.)
- Core components are similar between models :





## Smartphones (3) - Homescreen

**ODK Collect** 

#### Example : Samsung Galaxy





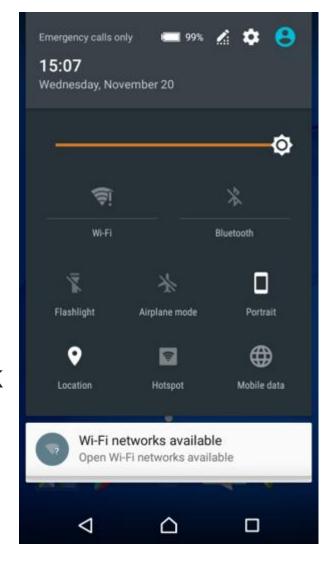
## Smartphones (4) - Energy Saving

**ODK Collect** 

- To save energy:
  - Plane mode 🛪
  - WIFI OFF
  - Lower luminosity of the display;
  - Set display turn off;
  - Charge up battery daily if possible;
  - Turn off GPS when not in use

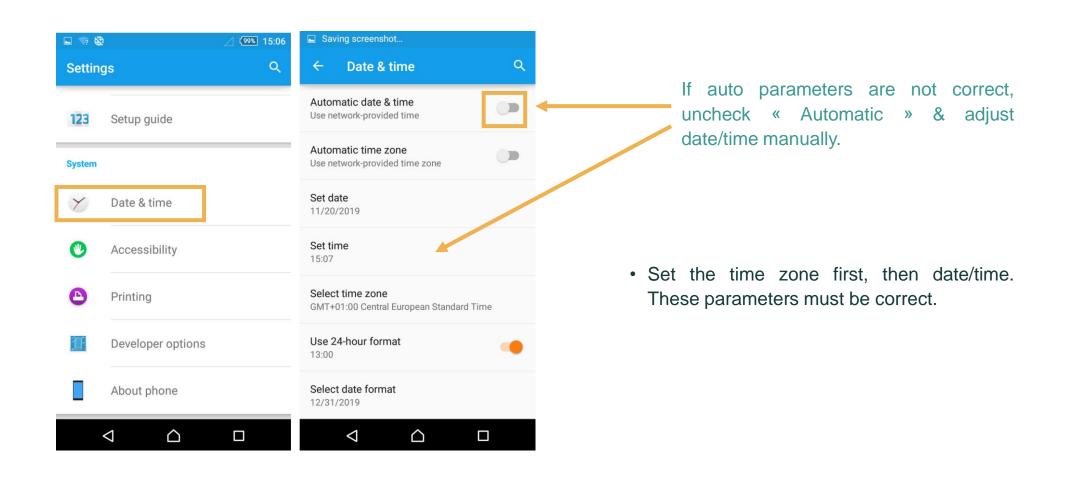


- Use dark themes on ODK Collect (change settings in ODK Collect);
- Use Power Bars / USB Chargers for remote place.



## Smartphones (5) – Date & Time

**ODK Collect** 



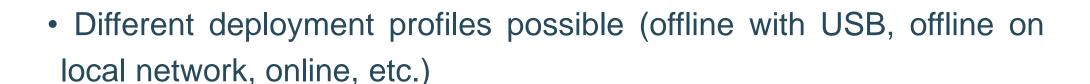


## Apps (1) - OpenDataKit (ODK) Collect

**ODK Collect** 

Most well-known MDC solution in the humanitarian sector.

- Open-source solution for Android :
  - Widely used
  - Basis for numerous systems
  - Powerful and flexible
  - Secure storage on your own servers possible





## Apps (2) – Why Use ODK Collect

**ODK Collect** 

 ODK Collect and Kobo Collect are similar apps. They could both be used for data collection for SENS.

#### HOWEVER:

- ODK Collect is updated and thus debugged on a more regular basis than Kobo Collect.
- ODK Collect has more advanced features.
- THUS, use ODK Collect for SENS data collection.
  - Make sure you do not have both ODK Collect and Kobo Collect apps on your phone: as those 2 use the same directory on your phone, they can interact and bug each other if on the same phone.

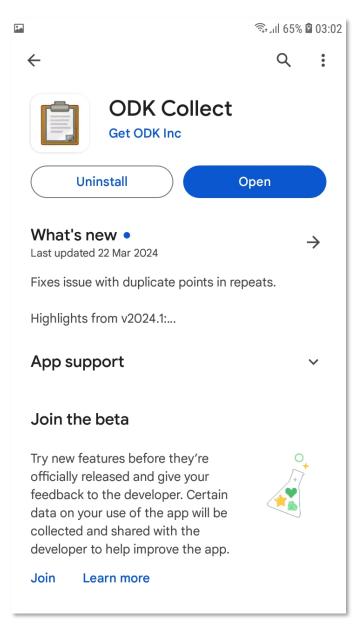




## Apps (3) - ODK Installing Online

**ODK Collect** 

- NB : ODK Collect is only available on Android phones!
- Go to the Google Playstore.
- Download « ODK Collect ».
- This is the most recommended path, if you can't use PlayStore, follow the instructions from the <u>ODK repository</u>.





## Apps (4) – Other applications

**ODK Collect** 

- Install the following as well if needed:
  - GPS Test: faster/more accurate acquisition of location for GPS readings
  - https://play.google.com/store/apps/details?id=com.chartcross.gpstest&hl=en

- A file manager such as AndExplorer may be useful available for free on the Play Store/Google Play. Many newer phones have a file manager already pre-installed.
  - https://play.google.com/store/apps/details?id=lysesoft.andexplorer&hl=en

#### Exercise 4

**ODK Collect** 

#### Set parameters on the phone

- Set the date to today's date and the current time.
- Ensure that the phone is in flight mode, that the WIFI is off and display brightness is set to low.

#### Discussion:

- How do these settings impact the survey?
- What happens if you accidentally remove the ODK Collect shortcut from the home screen?

# Phase 2 - Collect : Getting to know ODK Collect

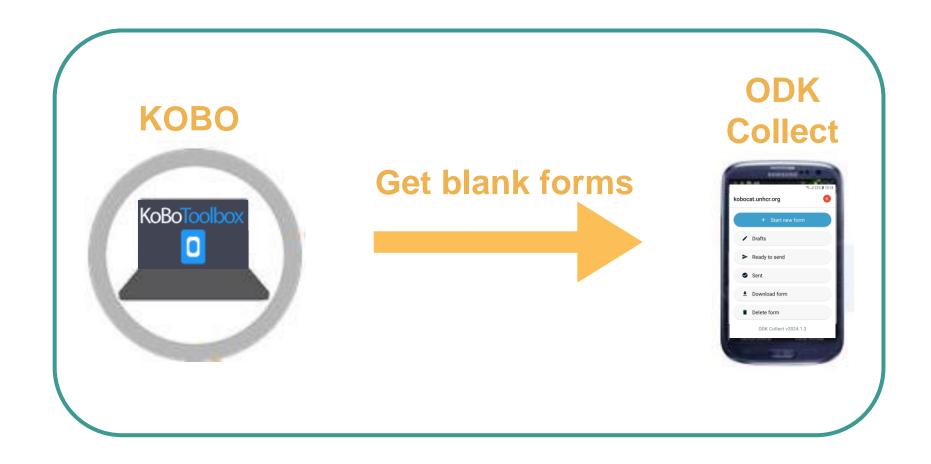
- Initiate smartphone's settings
- Initiate ODK with advanced settings
- ODK data entry, review and edit





## Get the form (1) – Kobo Toolbox

Kobo Toolbox

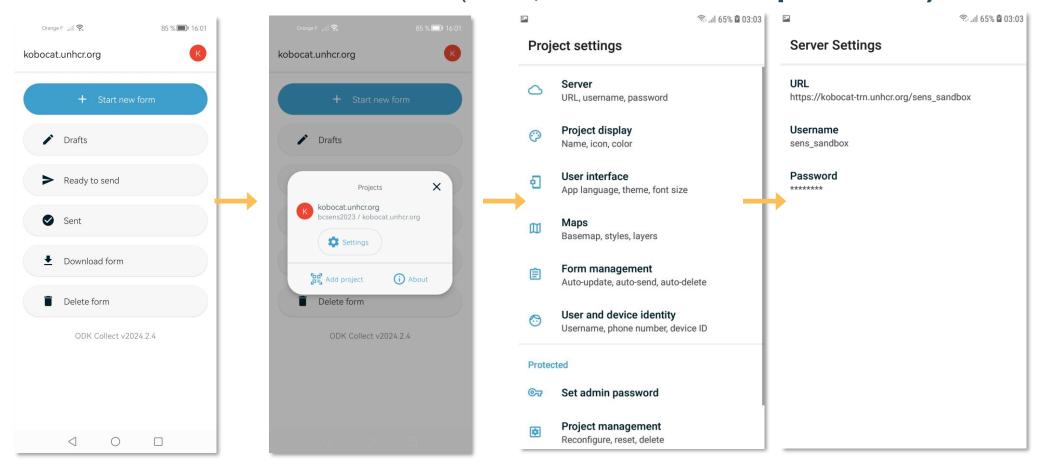




## Get the form (2) – Connect to Kobo Toolbox

ODK Collect

 Click on "General Settings", "Server" and enter your account's credentials on Kobo Toolbox (URL, username and password).

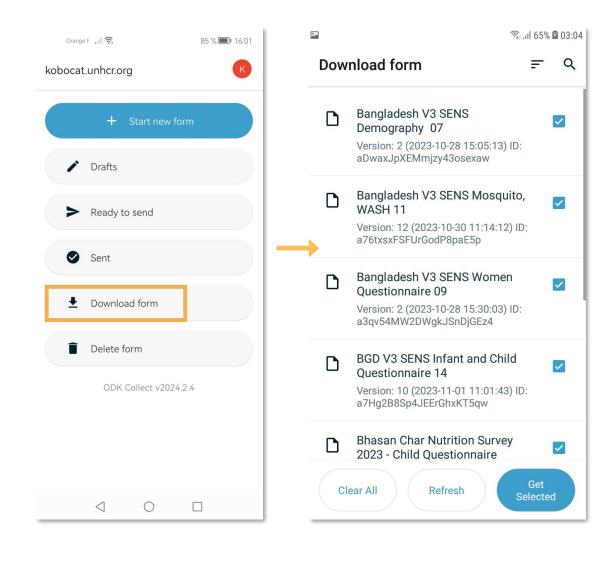


Structure of the URL: the URL from the UNHCR Kobo Toolbox server will always have the following structure: "https://kobocat.unhcr.org/[username]"



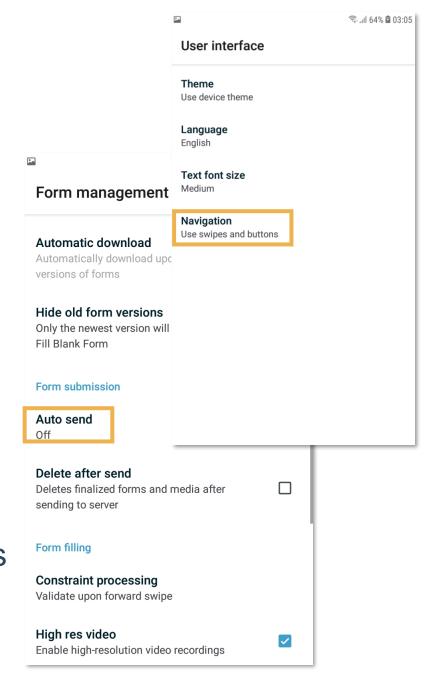
### Get the form (3) - Get Blank Form

- To get a blank form:
  - Connect on your local WIFI network.
  - Click "Download form " on the phone.
  - Select the blank form(s) of interest.
  - Repeat on all survey phones.



## **ODK Collect parameters**

- In project settings, under Form management :
  - "Auto send with WIFI" → uncheck so that you can manually send data to the server after review.
- In settings, under User Interface:
  - "Navigation" → you can set it to have only swipes, arrows or both – we recommend providing both on larger screens.
- Under "Admin settings" you can set other parameters and hide some features from enumerators (deleting forms etc.).





# Phase 2 - Collect : Getting to know ODK Collect

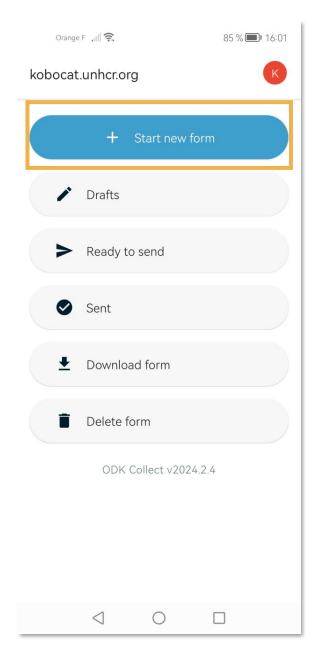
- Initiate smartphone's settings
- Initiate ODK with advanced settings
- ODK data entry, review and edit





## Fill the Form (1) - Start new form

- The most commonly used feature is « + Start new form».
- → Used to enter a new data entry.

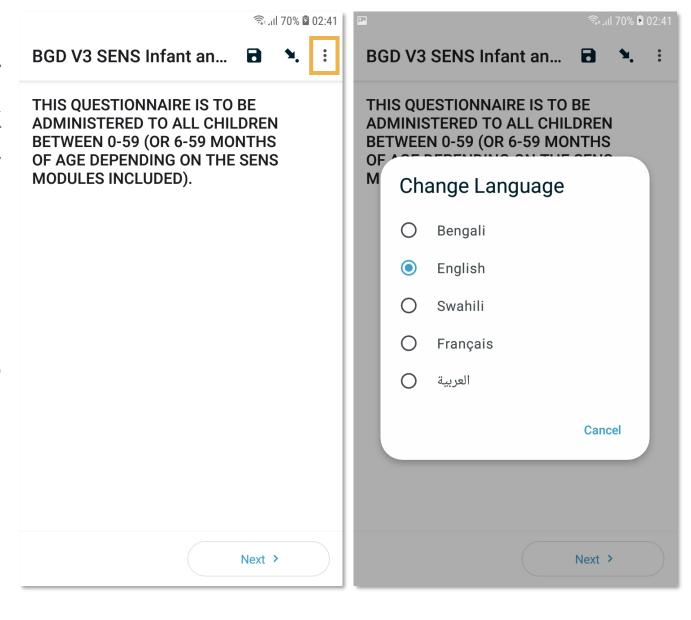


## Fill the form (2) - Change Language

**ODK Collect** 

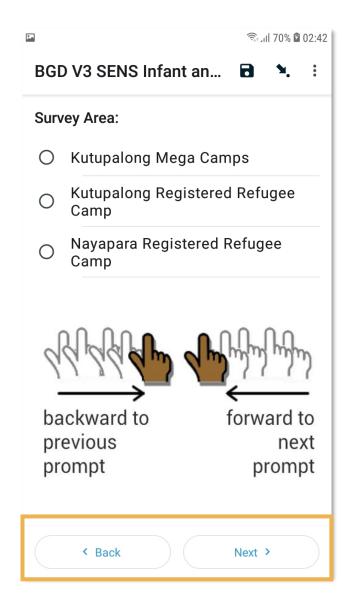
 To change the survey language, open a blank form or an already saved form.

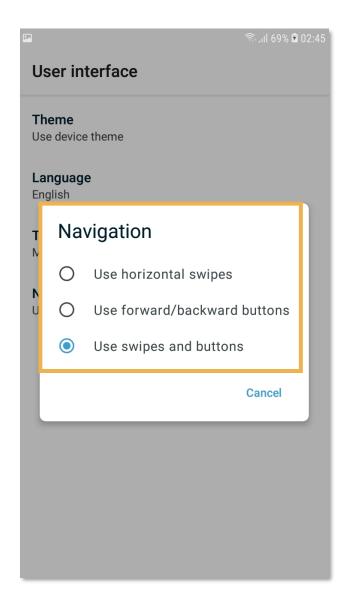
 Then tap the « Menu » button top right and tap « Change Language ».



## Fill the form (3) - Navigation in form

- You can slide your finger to the left or the right to move forward or backward in the form, much like reading a book.
- The 3 following navigation options can be found in the "User interface"

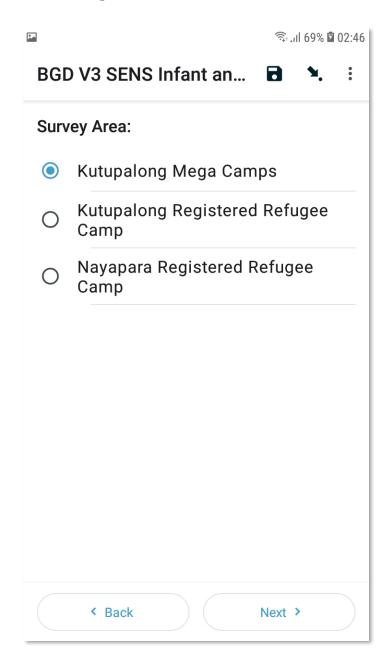






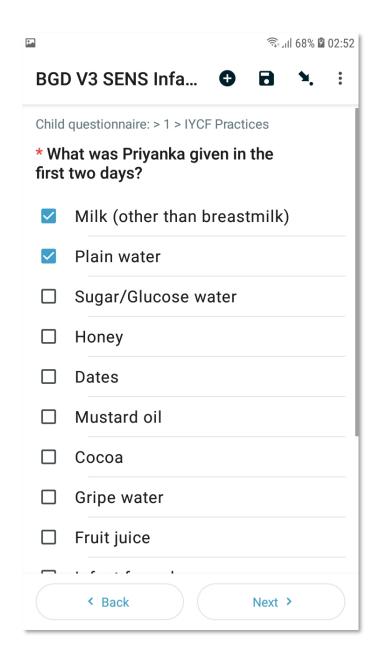
## Fill the form (4) - Select an option

- In this example one of the answers can be selected.
- When the icon is a circle (radio button), only ONE answer can be selected.



## Fill the form (5) – Select multiple options

- When the icon is a square,
   SEVERAL answers can be selected.
- The questions asked to the respondents are in bold.
- The capitalized sentences are the instruction to you, please don't read the instruction to the respondents, and operate following the instruction.

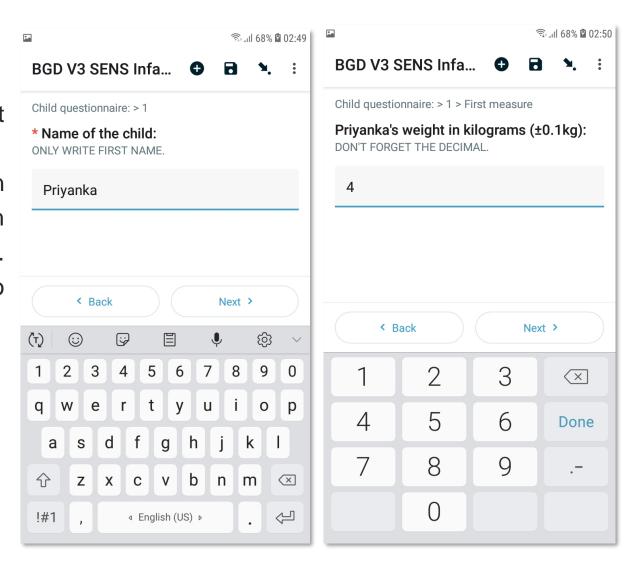


## Fill the form (6) – Enter text / number

**ODK Collect** 

#### • Example :

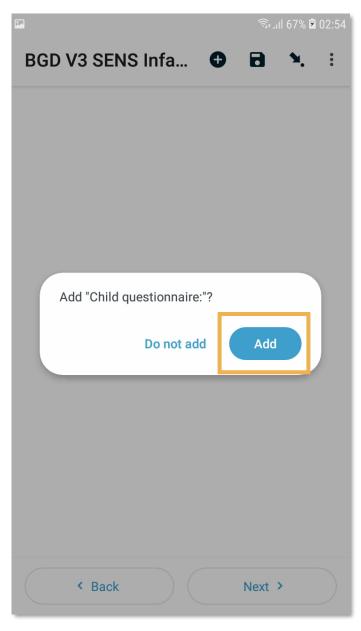
- Some questions require text entries.
- For some fields, only letters can be used, while for others both integers/letters are accepted. Constraints may also be used to control input.





## Fill the form (7) - Add a group

**ODK Collect** 



- Example:
  - Adding a group for the « Child » form
  - Each child in the HH will be a group member

If the filled group number doesn't match the total number of the member in the household, a notification will be given before it can be finalized. Please review the number of group and add/delete the missing/repeated member accordingly.

How to remove a group if too many have been added?

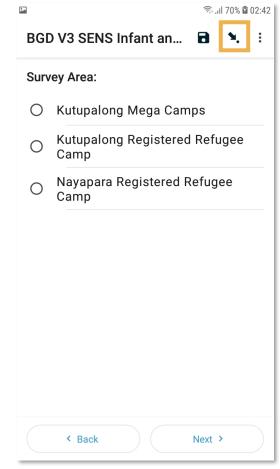
## Fill the Form (8) - Delete a group

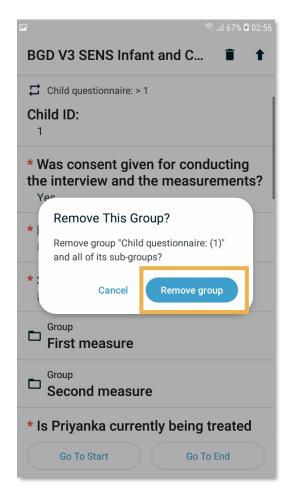
**ODK Collect** 

 In forms where groups are used, if a group has been erroneously added, it can be removed.

 To do so, press and hold on the response field.

Then select « Remove group ».



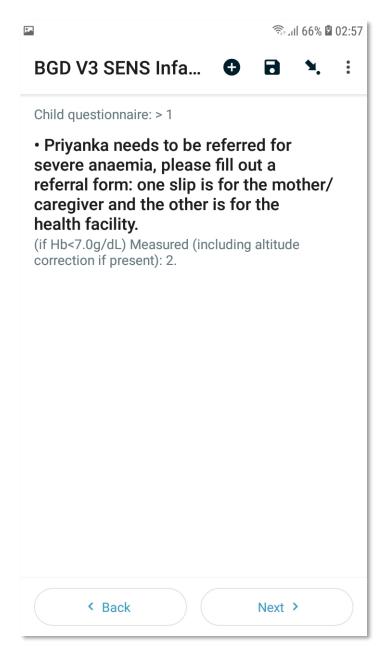


## Fill the Form (9) - Automatic Referral

**ODK Collect** 

• If the child is either malnourished or has severe anaemia, and is not involved in the treating program, an automatic referral information will be shown on the screen.

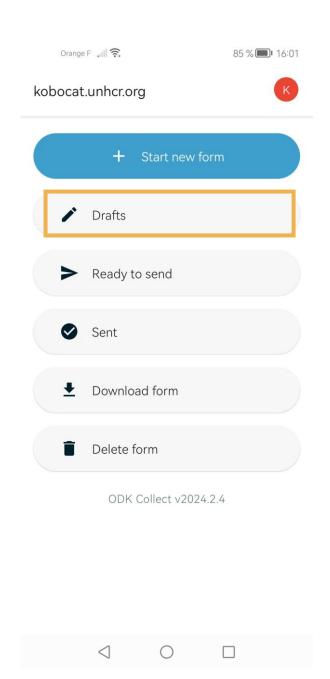
 Please fill the referral clips accordingly.



## Review and Edit Data (1)

**ODK Collect** 

• If a form has been saved (done automatically as it is filled), it is possible to edit the answers with: "Drafts".





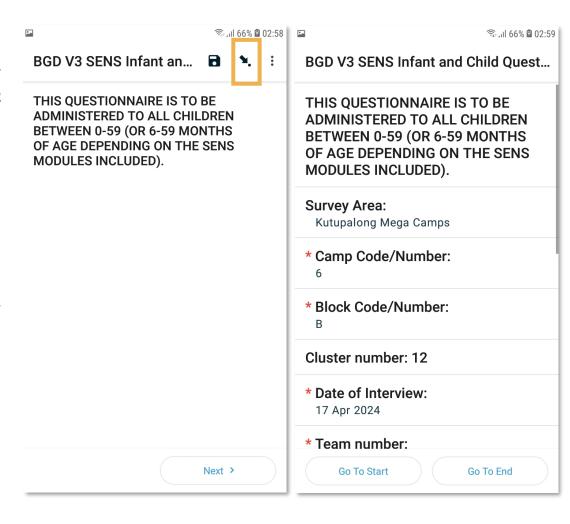


### Review and Edit Data (2)

**ODK Collect** 

 Once the form is selected, click on the arrow in the top right of the screen for "prompt mode".

 This allows all the responses to be reviewed more conveniently as shown in second screenshot.



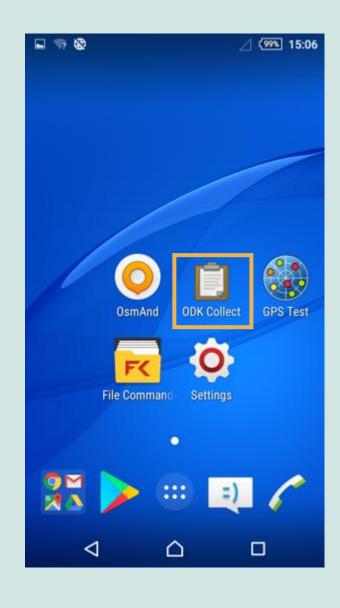
#### Exercise 5

**ODK Collect** 

Tap the « ODK Collect » icon.

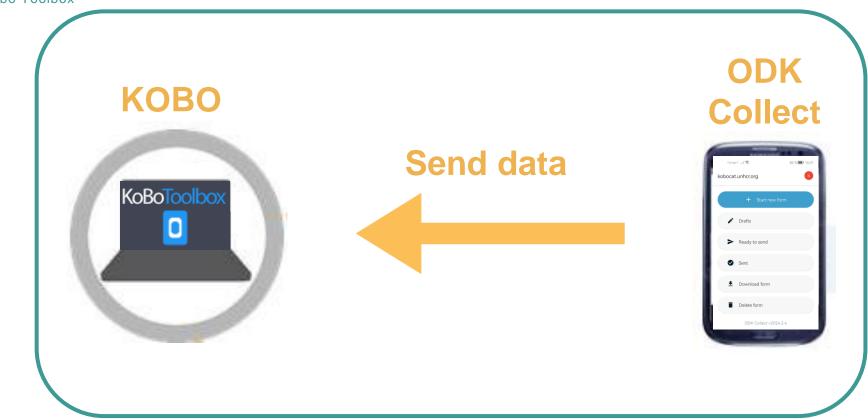
Select « + Start New Form ».

 Fill out the « Global V3 SENS Women Questionnaire » form and keep it saved on your form.



## Sending Data (1) – Kobo Toolbox

Kobo Toolbox



Turn the Wi-Fi on.



- If you wish to review and edit your data before sending, please tick "Save as draft" instead of ticking "Finalize" since once you finalize, data can't be edited anymore. Otherwise tick "Finalize".
- · Go to « Ready to send», select the forms to send .

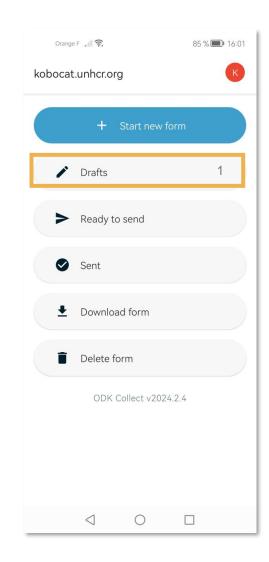


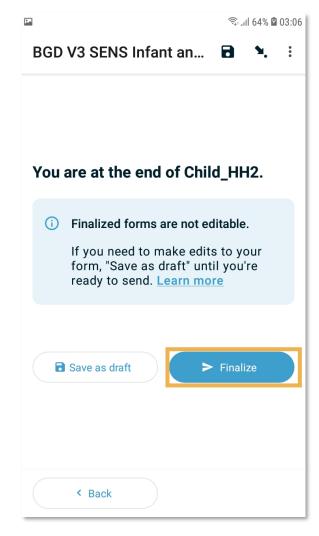
## Sending Data (2) - Finalize Form

**ODK Collect** 

 In order to be able to send your data entry saved in "Drafts" to the server, you will first have to finalize it.

You can finalize the data entries by clicking on "Drafts", enter each one of the data entries and tick "Finalize" on the last screen of the data entry.







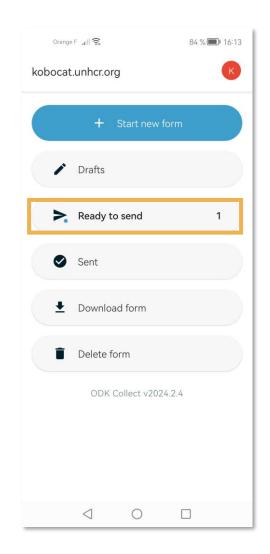
## Sending Data (2) - Send Finalized Form

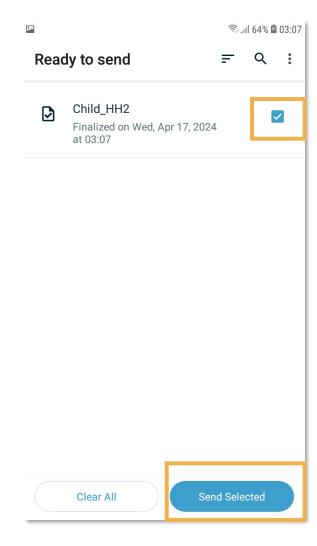
**ODK Collect** 

• Turn the Wi-Fi on,



 You can then click on "Ready to send", select the data entry/ies to be sent to the server and click on "Send Selected".

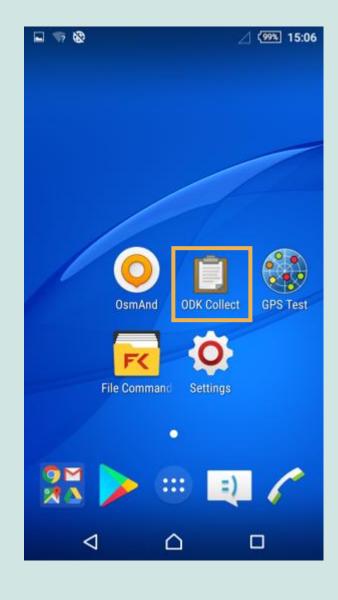




#### Exercise 6

**ODK Collect** 

 Go back to your saved data entry from the « Global V3 SENS Women Questionnaire » form, finalize it and send it to the server.



# Phase 3 – Manage : Using Kobo Toolbox server

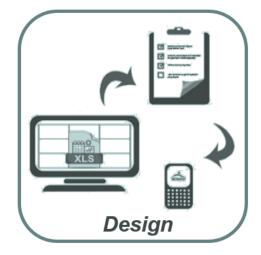
- Initiate Kobo Toolbox before data collection
- Deploy forms in Kobo Toolbox before data collection
- Exports data from Kobo Toolbox to Excel for analysis after data collection



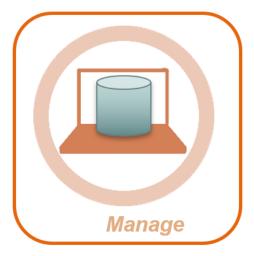


### Phases of MDC

Kobo Toolbox







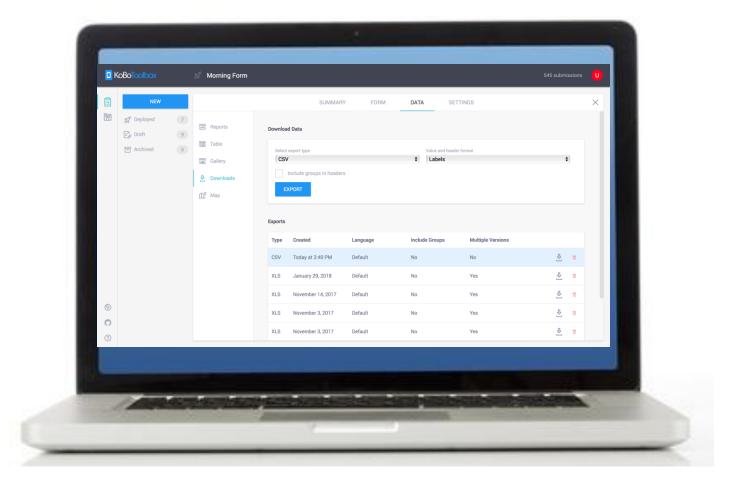




#### What is Kobo Toolbox?

Kobo Toolbox

 KoBo: online server developed by Harvard Humanitarian Initiative with support from UN OCHA.

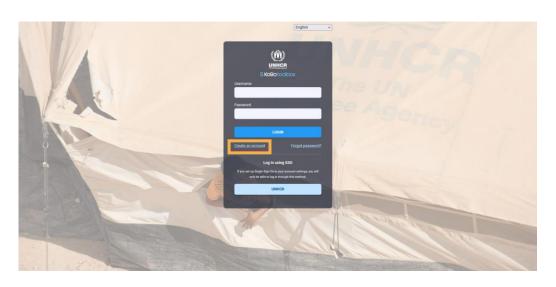


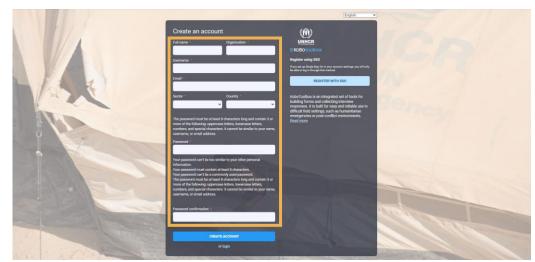
#### Create an account

Kobo Toolbox

- Fill in the necessary information :
  - Make sure the username has no capitals, no spaces and no special characters.
- Check your emails for validation email:
  - It can take a few minutes;
  - Be careful not to click on the link twice by mistake;
  - Check your spam if you cannot see the email.
- Then log in to the online platform.
- Please note that there are 2 servers :
  - The production server : <a href="https://kobo.unhcr.org">https://kobo.unhcr.org</a>
  - For training purposes, the training server : https://kobo-trn.unhcr.org

#### https://kobo.unhcr.org





## Phase 3 – Manage : Using Kobo Toolbox server

- Initiate Kobo Toolbox before data collection
- Deploy forms in Kobo Toolbox before data collection
- Exports data from Kobo Toolbox to Excel for analysis after data collection



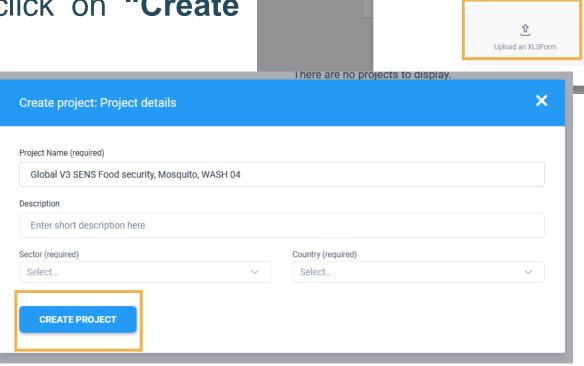


## Deploy forms in Kobo (1)

Kobo Toolbox

 Click on "New", "Upload an XLSForm" and the upload the SENS XLS format Form.

 Name your project in Kobo Toolbox and click on "Create Project".



Deployed

tutorial\_encrypted

WASH\_KAP\_mobile\_template\_v9\_11\_2

Create project: Choose a source

Choose one of the options below to continue. You will be prompted to enter name and other details in further steps.

Build from scratch

F

Use a template

Import an XLSForm via URL





Today at 3:27 PM

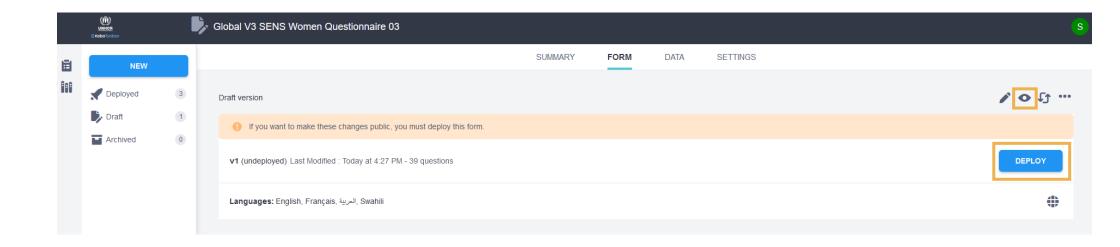
Yesterday at 3:01 PM

Last Wednesday at 10:22 AM Last

## Deploy forms in Kobo (2)

Kobo Toolbox

- For your SENS form to be accessible from ODK Collect on the Smartphones/Tablets, you
  will need to deploy the form by clicking on "Deploy".
- You can also visualise it online (through an Enketo link) by clicking on the "Preview" button.
- Warning: Testing the form on Enketo will not work with all parameters as some calculations
  do not work the same on Enketo and on ODK and the forms were set up to work on ODK.

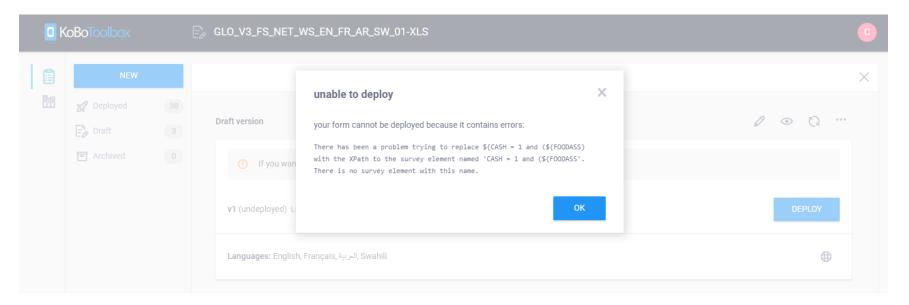




## Deploy forms in Kobo (3)

Kobo Toolbox

- If there is an error in your XLS Form, Kobo Toolbox will inform you when you will attempt to deploy it.
  - It pinpoints to you where the error is and one at a time.
  - Once this (and all potential other) error(s) corrected, you will be able to deploy your form.
  - In the example below, a bracket is missing at the relevancy \${CASH} = 1
  - Please consult the IM officer or HQ if the bug cannot be fixed.

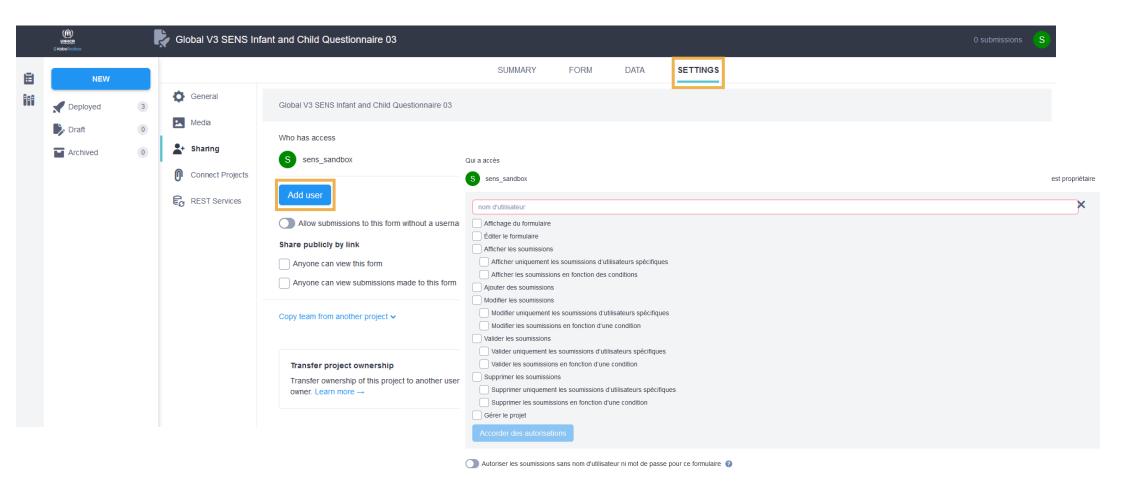




## Sharing your project

Kobo Toolbox

 You can easily share your project with another Kobo user (on same server):





# Phase 3 – Manage : Using Kobo Toolbox server

- Initiate Kobo Toolbox before data collection
- Deploy forms in Kobo Toolbox before data collection
- Exports data from Kobo Toolbox to Excel for analysis after data collection

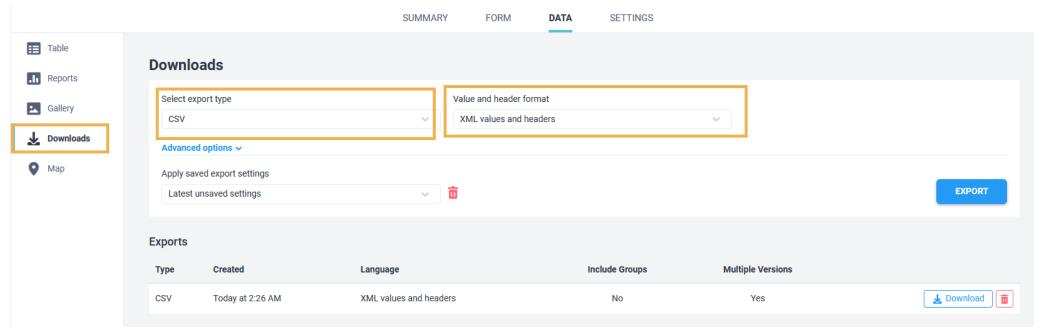




## Exporting dataset from Kobo Toolbox

Kobo Toolbox

- You can access and download the dataset by selecting on "Data" tab and then click on "Downloads". Always choose "XML values and headers."
- The SENS Mapper analysis tool requires data in "CSV" / "XML values and headers" format type export.

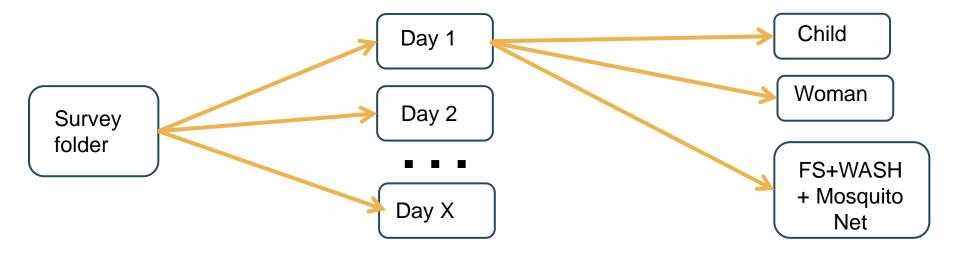




## Organizing data

Kobo Toolbox

How can you efficiently organize your data?



- Export data each day (prevent data losses, help to keep things organized).
- At the end of the survey, only the last day's export needs to be used for analysis as it contains the whole dataset.
- See "MDC Tool 01&02" for how to export the data.

## Phase 4 - Analyze

- Exporting Data for Analysis
- SENS Mapper



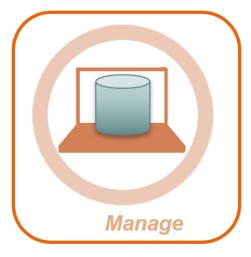


#### Phases of MDC

Kobo Toolbox









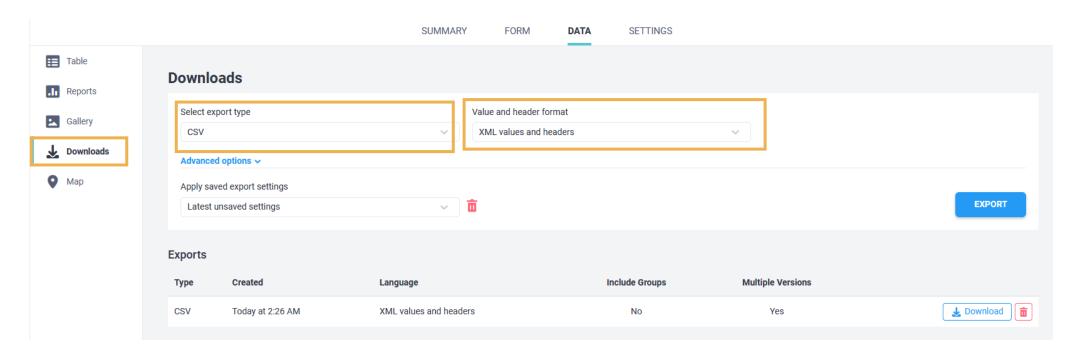




#### UNHCR Kobo Toolbox: export data

Kobo Toolbox

- Access Kobo Toolbox at <a href="https://kobo.unhcr.org">https://kobo.unhcr.org</a> and log in with your username and password.
- Click on the name of the form you wish to analyse, choose "Data", "Downloads" and download the data in "CSV" format with "XML values and headers".
- Refer to "Tutorial 1 Exporting Data for Analysis".





## Phase 4 - Analyze

- Exporting Data for Analysis
- SENS Mapper

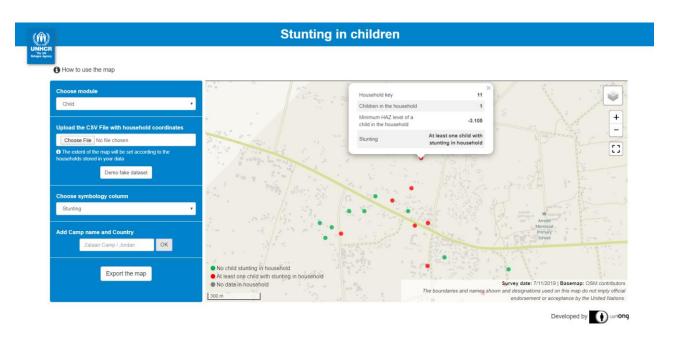




#### Analysis Tools - SENS Mapper

**SENS Mapper** 

- Surveys that have been set up to collect GPS coordinates of households can be visualized and extracted for reporting on the SENS Mapper.
- For more information in which type of setting and how to use GPS coordinates, refer to MDC Tool 08.





# Standard operationg procedures (SOPs)

- Pre-deployment: SOP of survey manager
- In-deployment: SOP of survey manager, supervisors & enumerators





#### Planning the survey and its logistics

- Which modules do you need?
- How many teams to deploy? How many phones needed?
- Specific needs in terms of phones? Safety of enumerators?
- Which tools?
- How many supervisors to check data quality?
- Which languages needed for translation?
- Online/offline?
- Power supply?
- How many hours in the field each day, number of days needed?
- What backup for data?
- What adaptations needed to the survey (with respect to context etc.)
- What sampling?



#### Do you need help?

- Option 1: In-country support
  - When the survey manager has no MDC experience, little help available in-country.

- Option 2: Remote support
  - Some MDC experience, previous ODK training, tech savvy survey manager.

- Option 3: No support
  - When everything, including coding XLS forms, is already known.

### Prepare your material

- A few weeks before the survey :
  - Phones:
    - Likely 2 phones per team, a few spares as well.
    - Clean older phones no old surveys/data left on the phone.
  - Install or update needed applications :
    - ODK Collect
    - GPS Test
  - Update any screenshots for your training.





#### Week before deployment

**SOPs** 

- Test any forms modified to ensure they behave as expected.
- Deploy finalized forms on the server.
- Deploy forms on the phones.
- Print training material.
- See SENS Page for various MDC tools:

http://sens.unhcr.org/mobile-technology/tools/



# Standard operating procedures (SOPs)

- Pre-deployment: SOP of survey manager
- In-deployment: SOP of survey manager, supervisors & enumerators





#### Roles

- Survey manager
- Supervisor(s)
- Enumerators



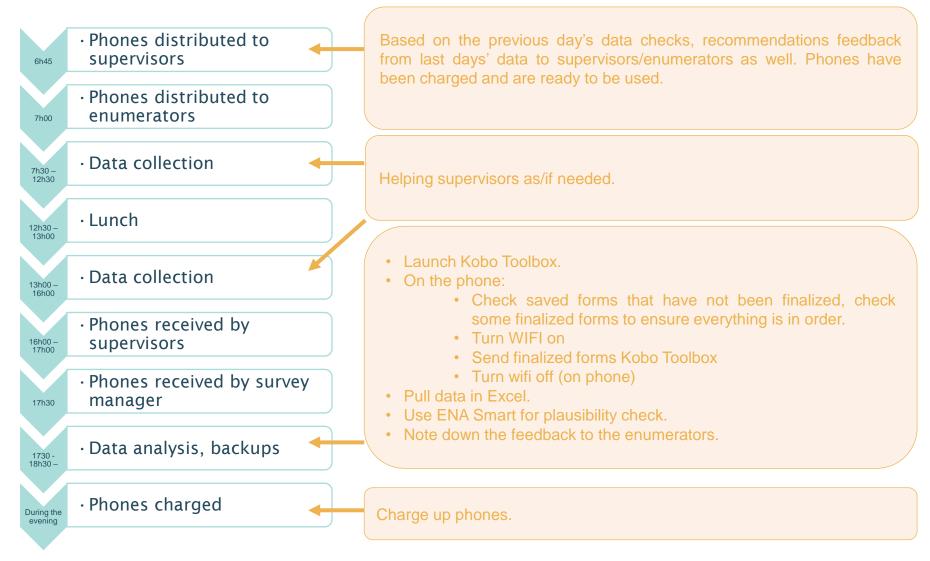






## Typical day: Survey Manager

**SOPs** 



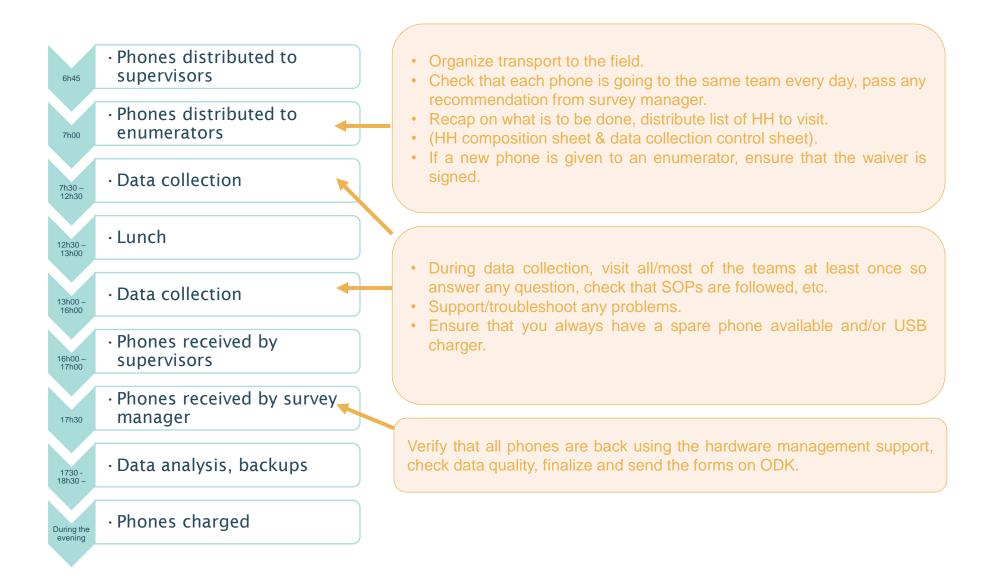
To be adapted to your context.





### Typical day: Supervisor

SOPs



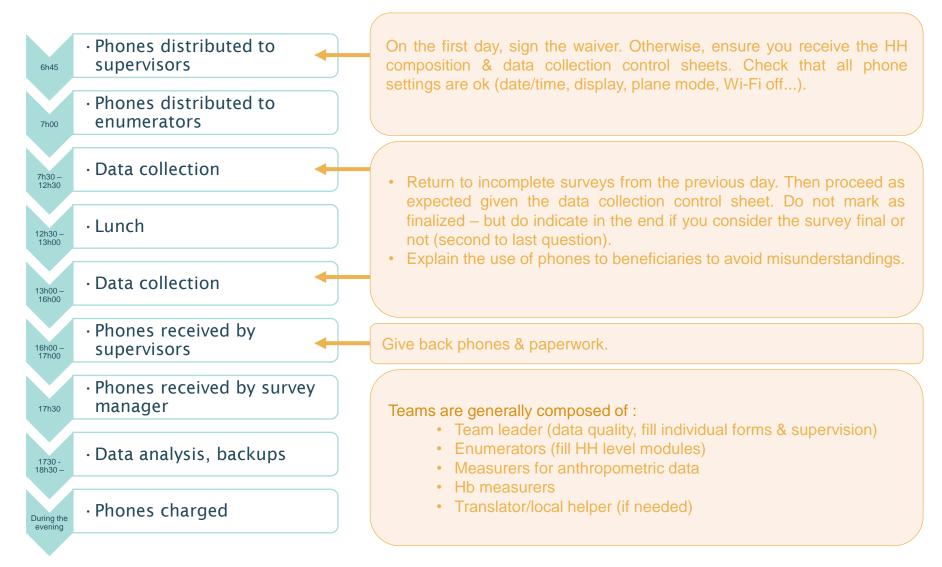


To be adapted to your context.



#### Typical day: Enumerator

**SOPs** 



To be adapted to your context.





## Lifecycle of a form

SOPs

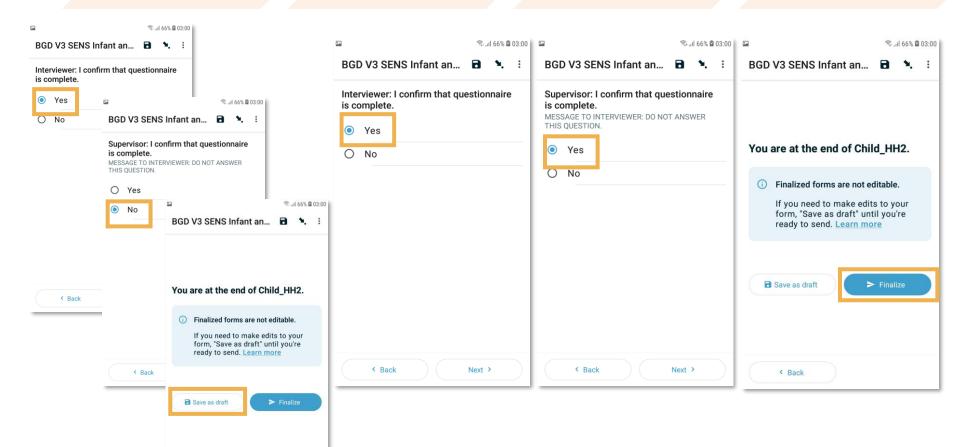
Ongoing (not finalized, absent, etc.)

< Back

Considered finished by enumerator

Considered finished by supervisor

Marked as finalized by supervisor





#### Support documentation

**SOPs** 

- Data collection control:
  - Overview of all HH to be visited;
  - One per block/cluster.

Date of sampling: dd / mm /yyyy			Section No.:			Block No.:		Cluster No. (if applicable):			Team No.:			
HH No.			Anaemia Children 6-59 mo.			Anaemia Women 15-49 y			IYCF Children 0-23 mo.		WASH	Food Security	Mosquito Net	
	No. in HH	No. surveyed	No. referred	No. in HH	No. surveyed	No. referred	No. in HH	No. surveyed	No. referred	No. in HH	No. surveyed	1=completed 2=absent 3=refused	1=completed 2=absent 3=refused	1=completed 2=absent 3=refused
01														
02				700 Step 1	appending.	2010101010101	7277727	September 1	201000000				(202222222	(seminorizanius
03														
04				4277230	19000000	See21/2214	2000000	\$500 Yes Ves	Service Services				SALANAN SERVICE	
05														
06				2500000	The second	20000000000000000000000000000000000000	2012/2013		3000001115					19144444444
07														
00							100000	7777777	17.7.7.7.7.7.7					

- HH composition sheet:
  - Overview of the composition of each HH;
  - One per HH.

Date		Camp	z	one	Block	HH Num	ber	Cluster no.	Team nu	mber
_/_	_/	I	_   1	I		LL		$\Box$		
Please complete using the following order: HH head, adult males, adult females, children, infants, other relatives										
Identif	fication and	age			Anthropometry and health				Anaemia	
НН #	Name		M/F	Age • If age ≥5 y: unit is years • If age<5 y: unit is months	Weight Kg Children 6-59	Height cm Children 6-59	MUAC cm / mm Children 6-59	Referred? Y/N	Hb g/dL Children 6-59 Non-pregnant women	Referred? Y/N

Only useful when it is actually being used!



## Phone ownership and responsibilities

**SOPs** 



#### ANDROID PHONE HANDOVER

#### **General Statement**

Name of receiver.....

- The android phone issued is property of UNHCR and should be handled with utmost care against loss or damages of any kind.
- > You are liable to ensure that the phone is returned in a good working condition
- This letter serves as a confirmation that you accept responsibility for the phone provided by UNHCR with the description attached:

#### PHONE IMEI:

I have received the above items in good working condition. I have also read and agree to the statement explained above and assume full responsibility

Signature Date		
Name of issuer Signature		

Signed once before the start of the survey when the phones are distributed.

Date of final Return: Signature of Responsible person:





#### Daily phone management

**SOPs** 

#### Burkina Faso Food Security Survey List of phones by team and by day

DATE:

	Xperia				
<b>PreTest</b>	Barcode/IMEI	G1 Barcode/IMEI	Team leader	Signature	Team colour
Team 1	351676030088209	12468001490007			red
Team 2	351677030034813	12468001495048			yellow
Team 3	351677030073092	12468001496087			pink
Team 4	351677030072961	12468001493050			orange
Team 5	351676030030847	12468001494843			blue
Team 6	351676030122990	12468001495998			green

Must be signed once by the enumerator in the morning, when they receive the material. The supervisor signs at the end of the day when the phones are returned.

#### Support documentation available

**SOPs** 

#### MDC Tools

Here, we provide you with standardised tools for implementing a SENS using mobile phone technology. The tools describe the various steps from setting up the system to data extraction and the daily use of mobile phones. They also include standard forms to assist in data collection, as well as tips and tricks for the various survey staff.

If you wish to implement a SENS using mobile technology, please contact: HQPHN@unhcr.org.

