

Learner's Guide to Android Capture

What is this guide?

This guide contains all exercises and detailed steps to perform them related to the use of event reports for the Tracker Use Level 1 academy. Please perform each of the exercises when prompted to by your instructors

Learning objectives for this session

1. Explain the Android App
2. Demonstrate how to install the android app
3. Demonstrate how tracker data can be captured on Android devices including:
 1. Searching for tracked entities
 2. Registering tracked entities
 3. Navigating a person's tracked entity dashboard
 4. Entering event data within a program stages
 5. Completing an enrollment
 6. Entering relationships
 7. Enrolling a tracked entity in multiple programs
 8. Working with tracker data offline

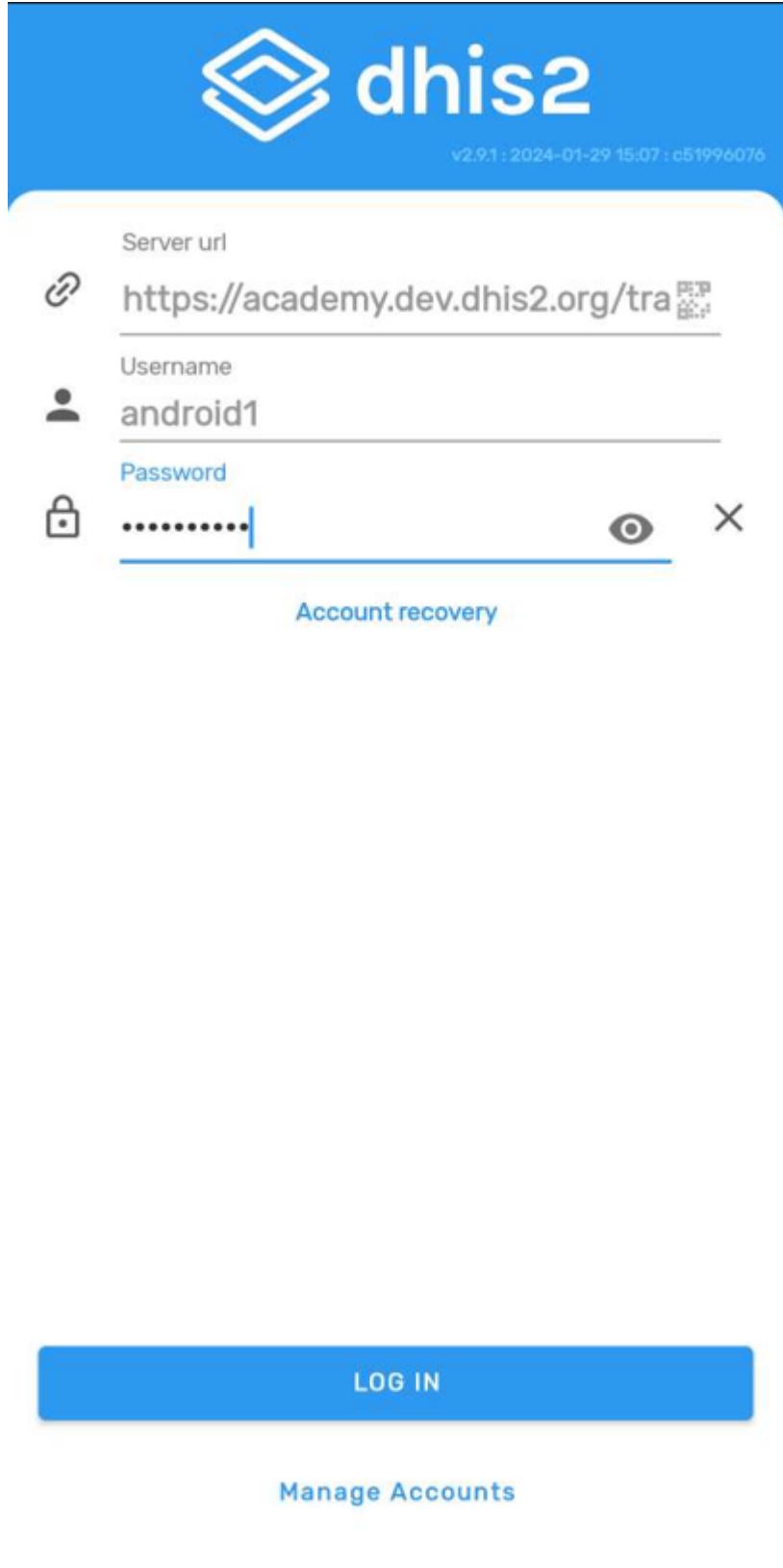
Exercise 1

Log in to the Android App

Server URL : the academy instance URL specified by your instructors

Username: android1

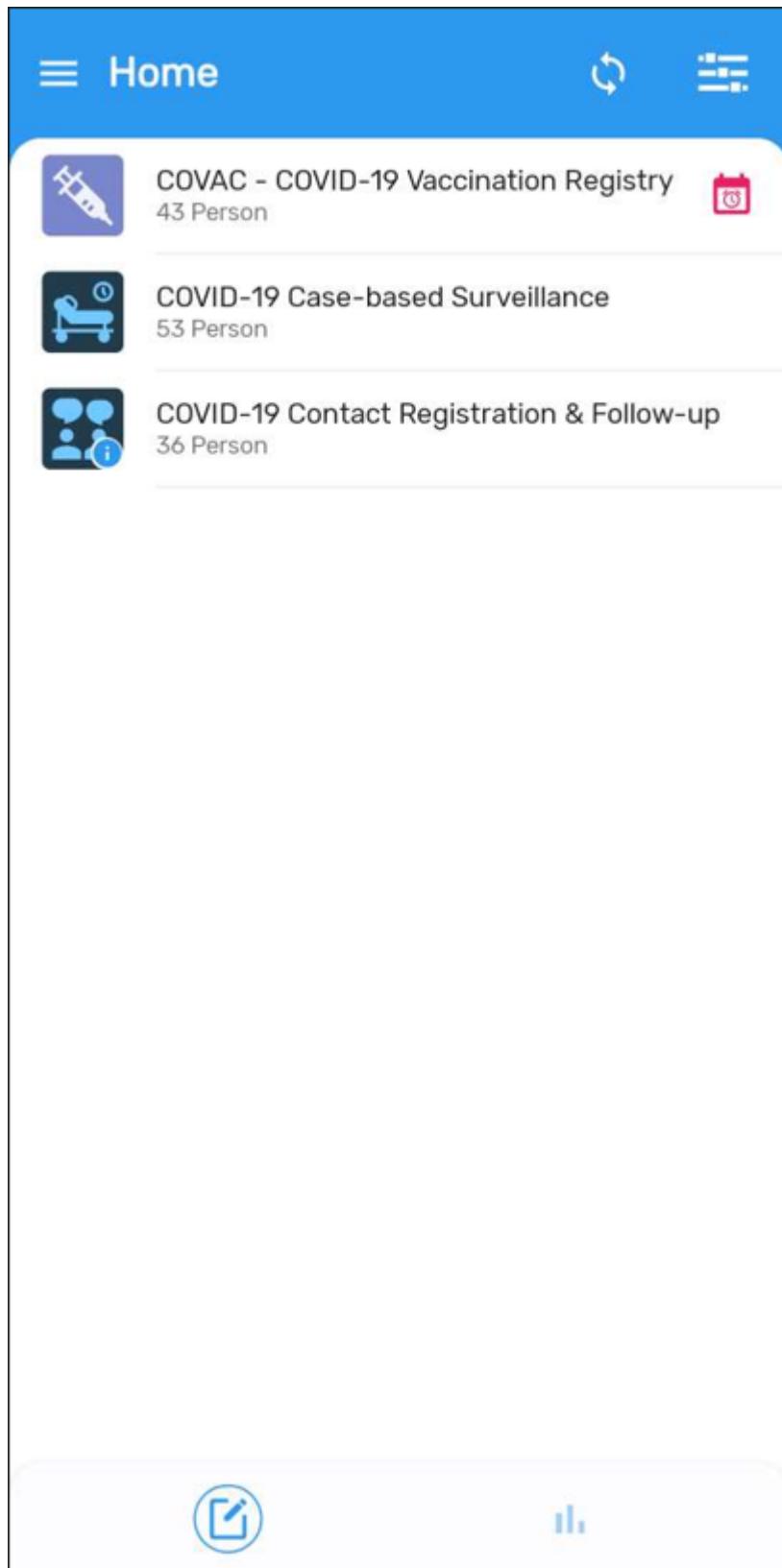
Password: District1#



The first time you login may take a little while as it downloads the configuration

Review the interface

You should see the following programs when logging in



Select the Case-base Surveillance program

Select this program. It should show you a list of individuals registered in the program based on the org units your user is assigned, similar to the front page list in tracker capture.

The screenshot shows a list of COVID-19 cases. Each case entry includes a blue circular icon with a white 'C', the System Generated Case ID (e.g., COVID19_0002986), the date (e.g., 7/1/2024), and a detailed list of personal information (First Name, Surname, Date of birth, Enrolled in). There is also a 'Show more' button for each entry. At the bottom, there are filter and export icons.

System Generated Case ID	Date
COVID19_0002986	7/1/2024
COVID19_0002980	6/1/2024
COVID19_0002979	6/1/2024
COVID19_0002877	19/7/2023

Filter the list

You can filter the list by selecting the filter button and applying relevant filters

The screenshot shows the filter settings for the COVID-19 Case Management app. The filters listed are:

- EVENT DATE**: No filters applied.
- CASE REGISTRATION DATE**: No filters applied.
- ORG. UNIT**: No filters applied.
- SYNC**: No filters applied.
- ENROLLMENT STATUS**: No filters applied.
- EVENT STATUS**: No filters applied.
- FOLLOWED UP PERSON**: No filters applied. (Switch is off)
- ASSIGNED TO ME**: No filters applied. (Switch is off)

Below the filters, there is a search bar with a magnifying glass icon and the word "Search".

Two case details are listed:

- C** **System Generated Case ID:** COVID19_0002986 **Date:** 7/1/2024
First Name: Victor
Enrolled in: CHW Mahosot
- C** **System Generated Case ID:** COVID19_0002980 **Date:** 6/1/2024
First Name: Chad
Surname: Carroll

For example, you can try filtering out completed events.

Search for an individual that already exists

Search for an individual which already exists.

- Local Case ID : ID-1793576
- First Name : Brianna
- Surname : Richard

The screenshot shows a mobile application interface for a COVID-19 Case-based Survey. At the top, there is a back arrow icon and the title "COVID-19 Case-based Surv...". A note says "It is necessary to enter at least 1 attributes to search". Below this, there are four input fields:

- System Generated Case ID:** An input field labeled "Enter text" with the placeholder "Local Case ID". Inside the field, the value "ID-1793576" is entered.
- First Name:** An input field labeled "Enter text".
- Surname:** An input field labeled "Enter text".
- Sex:** An input field labeled "Enter text" with a dropdown arrow icon.

Below these fields is a section for "Country of Residence" with an "Enter text" input field and a dropdown arrow icon. At the bottom right of the screen are two large, rounded rectangular buttons: one with a smiley face icon and another with a magnifying glass icon.

Open this record. You will see all the events associated with the case within the case-base surveillance program, starting with the most recent event.

There are 4 tabs at the bottom when you open the record. You can discuss what each tab is and how it relates to what would normally be seen on tracker capture (web).

The screenshot shows the 'Edit person' screen of the LG Tracker app. At the top, there is a back arrow, a pencil icon labeled 'Edit person', and a three-dot menu icon. Below this, the text 'System Generated Case ID: COVID19_0000348' is displayed in bold. Underneath, the following details are listed:
First Name: Brianna
Surname: Richard
Date of birth: 1967-09-20
Case Registration Date: 18/7/2024
Enrolled in: CHW Mittaphap
A 'Show more' button is present with a dropdown arrow.
Below this, four stages of care are listed with icons:

- Stage 1 - Clinical examination and diagnosis** (Icon: clipboard with pen) - 1 event. Date: 26/5/2023.
- Stage 2 - Lab Request** (Icon: microscope) - 1 event. A blue '+' button is to the right.
- Stage 3 - Lab Results** (Icon: circular graph) - 2 events. A blue '+' button is to the right.
- Stage 4 - Health Outcome** (Icon: two people) - 1 event. Date: 17/4/2023.

At the bottom, there are four tabs numbered 1 to 4, each with an icon:

- Tab 1: A clipboard icon.
- Tab 2: A bar chart icon.
- Tab 3: A network or DNA helix icon.
- Tab 4: A note icon.

These tabs from left to right represent:

1. Details : it is the page you are on by default when opening the record and shows the TEI info as well as the details of the stages and events
2. The indicators widget
3. The relationships widget
4. The notes widget

Navigate back to the details tabs

You can use the "See details" button within this tab to show (and edit if access allows) all of the attribute information related to the individual. Go back and review the event list.

← Brianna Richard
1964-09-20

① Enrollment data 3/3 ▼

② Registration 7/13 ▲

System Generated Case ID
Enter text
COVID19_0000348

Local Case ID
Enter text
ID-1793576

First Name
Enter text
Brianna

Surname ⓘ
Enter text
Richard

Date of birth
Choose date
20/9/1964 □ X

Age
Enter positive integer or zero
57 □

Select the first stage followed by the event within it. Navigate through the various sections to show that the data within the stage has been entered and can be reviewed or updated on the device.

Stage 1 - Clinical
5/2/2024 | CHW Mittaphap 93% :

① Clinical Signs and Symptoms/
Signes et symptômes cliniques 6/6 ^

Any signs or symptoms?
Yes ▾ X

Date of symptoms onset
2024-02-02 □ X

Fever ⓘ
Yes ▾ X

Measured temperature in °C ⓘ
37

Cough ⓘ
Yes ▾ X

Shortness of breath ⓘ
Yes ▾ X

Next

② Pregnancy Details/Détails sur la grossesse
③ Underlying Conditions/
Comorbidity 0/1 1/1

Exit the record to proceed.

Exercise 2

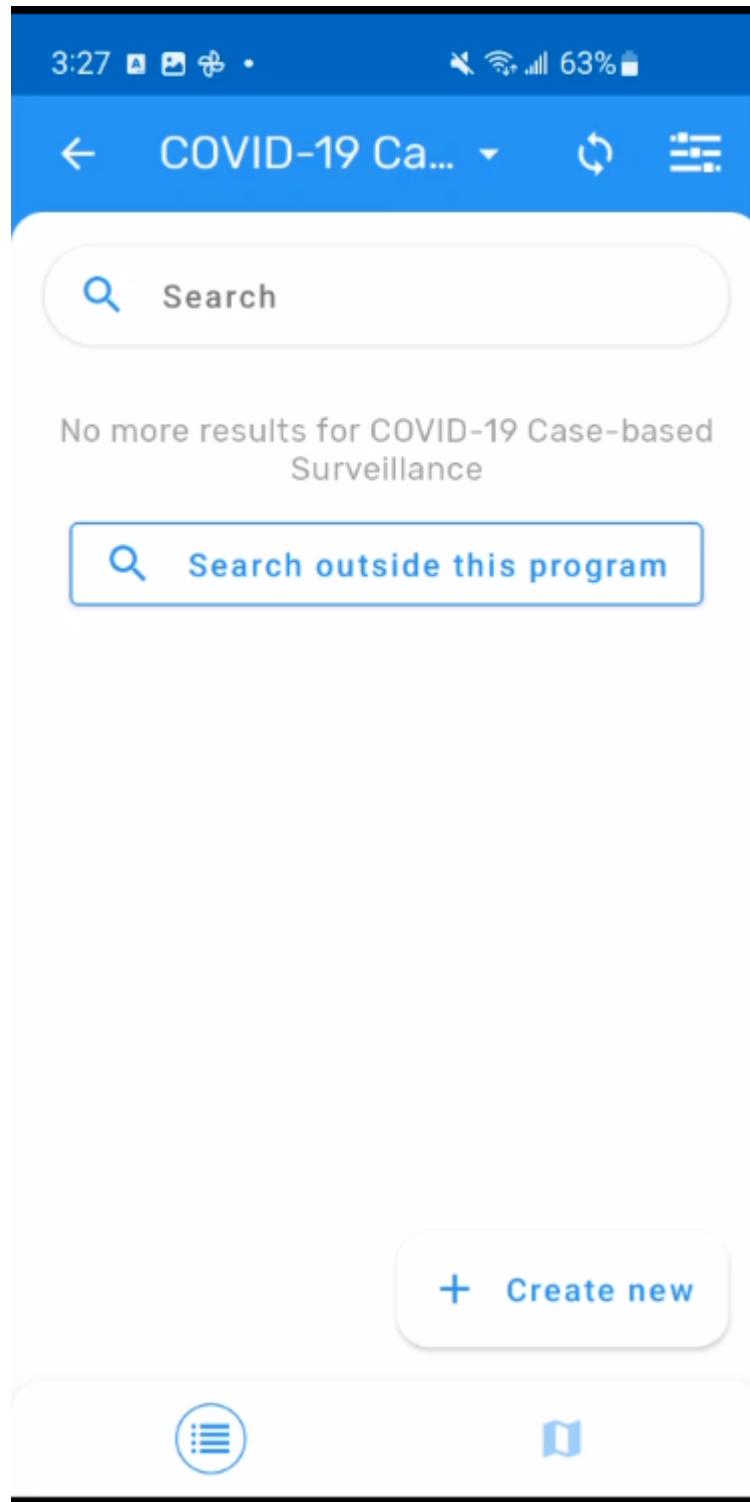
Register a new case

Navigate back to the front page list of the COVID-19 Case-based Surveillance program.

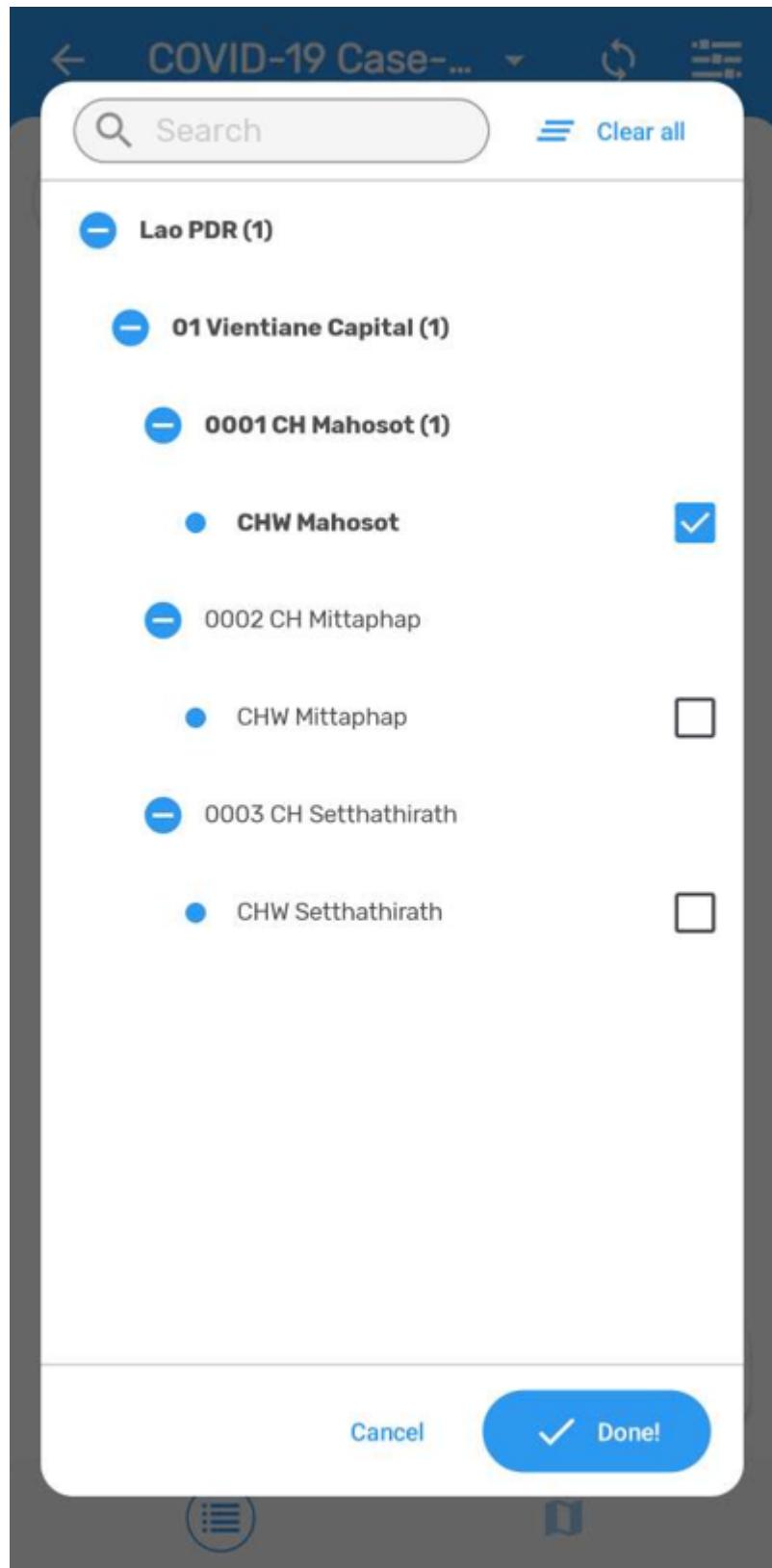
In order to register someone on the android app, you first must search to see if they exist

Start the search process again that you have just shown.

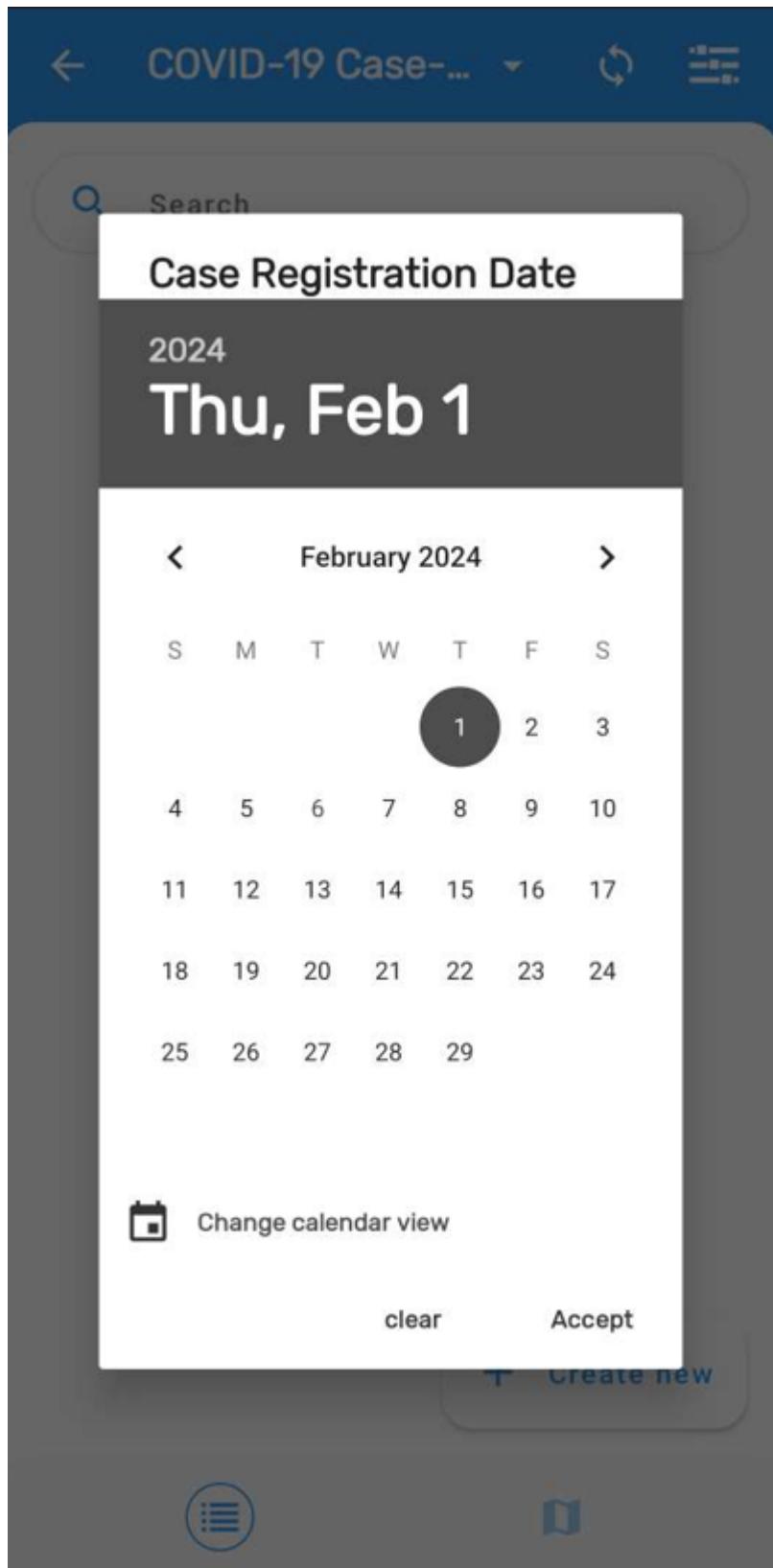
Enter your details (your first name and surname) and try to search for yourself. You should get a message that your record could not be found.



Click on the plus sign than select an org unit in which to register the case into. Select Done once you have select the org unit.



After selecting the org unit, select the registration date. Select Accept once you have selected the date.



You will then be prompted to enter the remaining attribute information of the person you are registering.

The screenshot shows a mobile application interface for enrolling in COVID-19 Case-based Surveillance. At the top, the status bar displays the time (3:32), signal strength, battery level (62%), and a navigation arrow pointing left. Below the status bar, the title "Enroll in COVID-19 Case-based Surveillance" is centered. The main content area is divided into two sections: "1 Enrollment data" (2/3 completed) and "2 Registration" (4/14 completed). The "1 Enrollment data" section contains fields for "System Generated Case ID *", which has the value "COVID19_0003477". The "2 Registration" section contains fields for "Local Case ID" (with placeholder "Enter text") and "First Name" (with value "Alicia"). Below these are fields for "Surname" (with value "Smith"), "Sex" (set to "Female"), and "Date of birth" (indicated by a blue circular icon with a disk symbol). A large blue circular button with a white disk icon is positioned at the bottom center of the form.

① Enrollment data 2/3

② Registration 4/14

System Generated Case ID *

Enter text

COVID19_0003477

Local Case ID

Enter text

First Name

Enter text

Alicia

Surname ⓘ

Enter text

Smith

Sex

Enter text

Female

Date of birth

Fill in this information then select the disk icon in order to save the person's details and enroll them into the program.

You will then be prompted to enter the initial details of the 1st stage. Confirm the date of consultation and select "Update."

← COVID-19 Case-based Surveillance

 Clinical examination and diagnosis covers the form sections Vaccination History and Clinical data, follow-up and treatment
Stage 1 - Clinical examination and diagnosis

Date of Consultation 

SKIP

← COVID-19 Case-based ...  11% 

 Stage 1 - Clinical examination and diagnosis
Clinical examination and diagnosis covers the form sections Vaccination History and Clinical data, follow-up and treatment

Date of Consultation *  

02/02/2024

Org unit *

CHW Mahosot

Add location

UPDATE

Then you must fill the information for first event.

1. Fill in the details for each section
2. Expand each section by using the tabs

Stage 1 - Clinical
2/2/2024 | CHW Mahosot 46% :

1 Clinical Signs and Symptoms/ Signes et symptômes cliniques 5/5

Any signs or symptoms?
Yes

Date of symptoms onset
2024-01-04

Fever ⓘ
No

Cough ⓘ
No

Shortness of breath ⓘ
Yes

Next

2 Underlying Conditions/ Comorbidity 0/1

3 Hospitalisation 0/1

4 Exposure Risk 0/1

5 Travel History 0/2

Once you have filled all the details in, save the data by selecting the disk icon

← Stage 1 - Clinical
2/2/2024 | CHW Mahosot 46% ⋮

① Clinical Signs and Symptoms/
Signes et symptômes cliniques 5/5 ⌂

Any signs or symptoms?
Yes ▾ X

Date of symptoms onset
2024-01-04 ⏷ X

Fever ⓘ
No ▾ X

Cough ⓘ
No ▾ X

Shortness of breath ⓘ
Yes ▾ X

Next

② Underlying Conditions/
Comorbidity 0/1 ▾

③ Hospitalisation 0/1 ▾

④ Exposure Risk 0/1 ⌂ 0/2 ▾

⑤ Travel History 0/2 ▾

You will then be provided with a prompt if you wish to complete the event or not

The screenshot shows a mobile application interface for a clinical form. At the top, it says "Stage 1 - Clinical" and "2/2/2024 | CHW Mahosot". A circular progress bar indicates "46%". Below this, a section titled "Clinical Signs and Symptoms/ Signes et symptômes cliniques" shows a status of "5/5". The first question is "Any signs or symptoms?", with "Yes" selected. The next question is "Date of symptoms onset", with "2024-01-04" selected. Following this are questions about "Fever", "Cough", and "Shortness of breath", each with "No" selected. A large blue button at the bottom right says "Saved!" with a checkmark icon. Below it, a question asks if the user wants to mark the form as complete, with two options: "Not now" and "Complete".

Stage 1 - Clinical
2/2/2024 | CHW Mahosot

46%

1 Clinical Signs and Symptoms/
Signes et symptômes cliniques 5/5

Any signs or symptoms?

Yes

Date of symptoms onset

2024-01-04

Fever ⓘ

No

Cough ⓘ

No

Shortness of breath ⓘ

Yes

Saved!

Do you want to mark this form as complete?

Not now

Complete

If we are done entering data for this event, you can choose the option "Complete." If there is some data missing you can choose the option "Not now." Note to the participants that if you do complete an event and you need to edit it in the future, you are able to open it back up.

Once you save the details, you will be taken back to the dashboard on the device, which has the same interface as the completed record you previously accessed.

The screenshot shows a mobile application interface for managing a patient's case. At the top, there is a blue header bar with a back arrow, the text "Edit person", and a three-dot menu icon. Below the header, the text "System Generated Case ID: COVID19_0002987" is displayed prominently. Underneath the case ID, the following details are listed:
First Name: Ram
Surname: Sharma
Sex: Male
Case Registration Date: 1/2/2024
Enrolled in: CHW Mahosot

Below these details, there is a list of clinical stages, each represented by an icon and a title. The stages are:

- Stage 1 - Clinical examination and diagnosis** (Icon: clipboard with pen): 5 hours ago, 1 events. A blue circular button with a plus sign is to the right.
- Stage 2 - Lab Request** (Icon: microscope): 0 events. A blue circular button with a plus sign is to the right.
- Stage 3 - Lab Results** (Icon: test tubes): 0 events. A blue circular button with a plus sign is to the right.
- Stage 4 - Health Outcome** (Icon: two people): 0 events. A blue circular button with a plus sign is to the right.

At the bottom of the screen, there is a navigation bar with four icons: a clipboard, a bar chart, a network symbol, and a message bubble.

Exercise 3

Add a new event

Click on the plus button underneath the second stage "Lab request." It will expand and give you some options, which you can explain to the participant.

Select "Add new" to add a new event.

The screenshot shows a mobile application interface for managing a patient's case. At the top, there is a blue header bar with a back arrow icon, the text "Edit person", and a three-dot menu icon. Below the header, the text "System Generated Case ID: COVID19_0002987" is displayed prominently.

Below the case ID, the following details are listed:

- First Name: Ram
- Surname: Sharma
- Sex: Male
- Case Registration Date: 1/2/2024
- Enrolled in: CHW Mahosot

The main content area displays four stages of the clinical process:

- Stage 1 - Clinical examination and diagnosis**: 5 hours ago, 1 event. An icon of a clipboard with a pen is shown.
- Stage 2 - Lab Request**: 0 events. An icon of a person with a stethoscope is shown.
- Stage 3 - Lab Results**: 0 events. An icon of a laboratory test tube is shown.
- Stage 4 - Health Outcome**: 0 events. An icon of two people is shown.

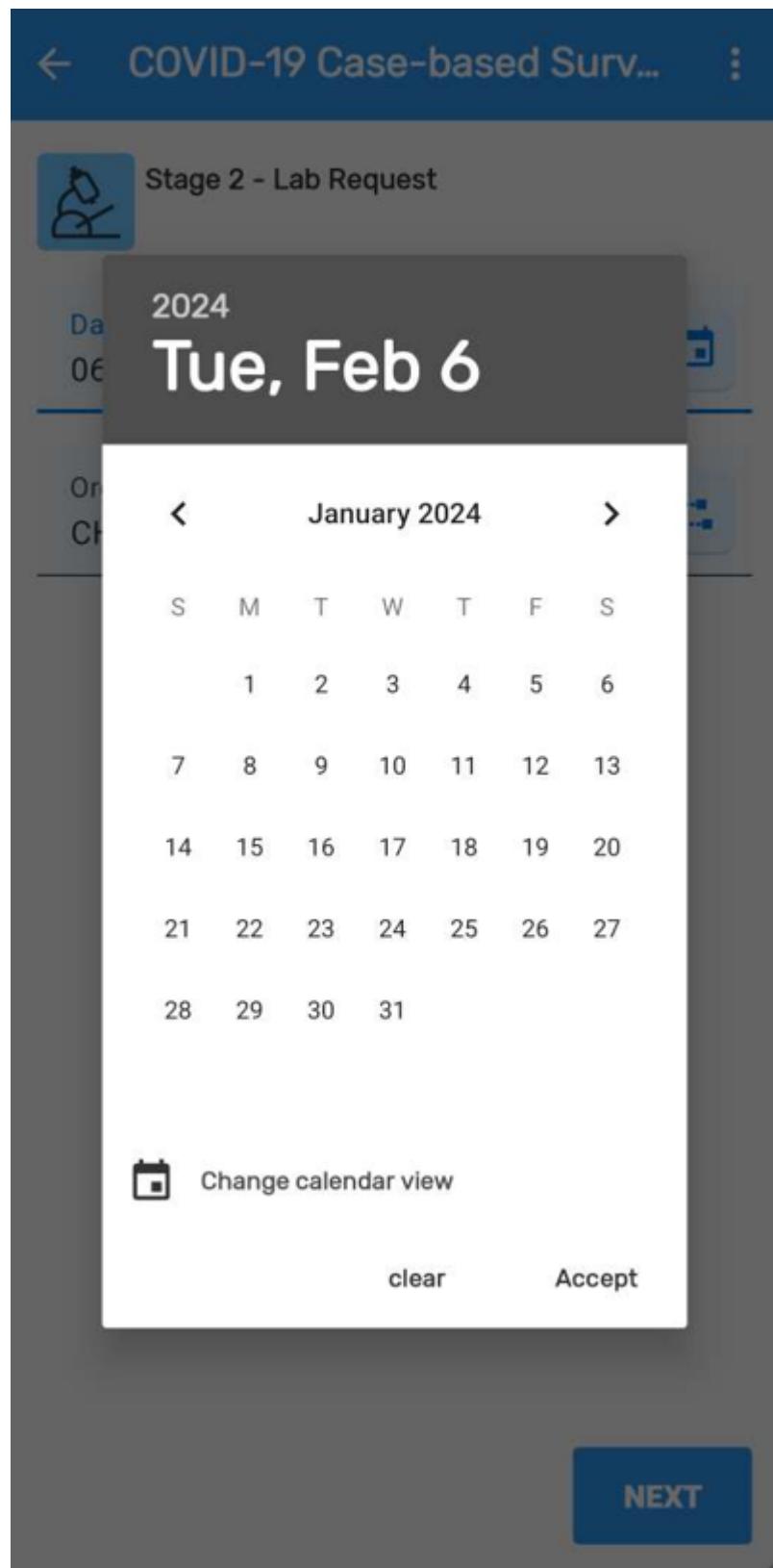
A floating action button (FAB) with a plus sign is located in the upper right area of the stages. A callout bubble from this FAB contains the text "Add new" and "Referral".

At the bottom of the screen, there is a navigation bar with four icons: a clipboard (blue), a signal strength icon, a network or DNA-like icon, and a document icon.

It will display the program stage, the data of the request and the org unit.

The screenshot shows a mobile application interface for a COVID-19 Case-based Survey. At the top, there is a blue header bar with a back arrow icon, the text "COVID-19 Case-based Surv...", and a three-dot menu icon. Below the header, the title "Stage 2 - Lab Request" is displayed next to a small icon of a person in a lab coat. The main content area contains two input fields. The first field is labeled "Date of Lab request *" with the value "06/02/2024". It includes a clear button (an "X" icon) and a calendar icon. The second field is labeled "Org unit *" with the value "CHW Mahosot". It also includes a clear button and a location/city icon. At the bottom of the screen is a large blue "NEXT" button.

Alter the date of lab request if you need to and select "Accept" to proceed.



The form will now load in which you can enter the event details.

Stage 2 - Lab Request
3/2/2024 | CHW Mahosot 0% :

① Reason for Testing for COVID-19 0/2 ^

Reason for testing for COVID-19
Enter text ▼

If none of the above, please explain
Enter text

Next

② Specimen details/Détails de l'échantillon 0/3 ▼

③ Test request details/Détails d'une demande de test 0/1 ▼



Fill in the form. You can save the details by selecting the disk icon. You will see the same two options as before (Finish, Finish and complete). Select one to continue.

Stage 2 - Lab Request
3/2/2024 | CHW Mahosot

40% ⋮

① Reason for Testing for COVID-19 1/1 ⌄

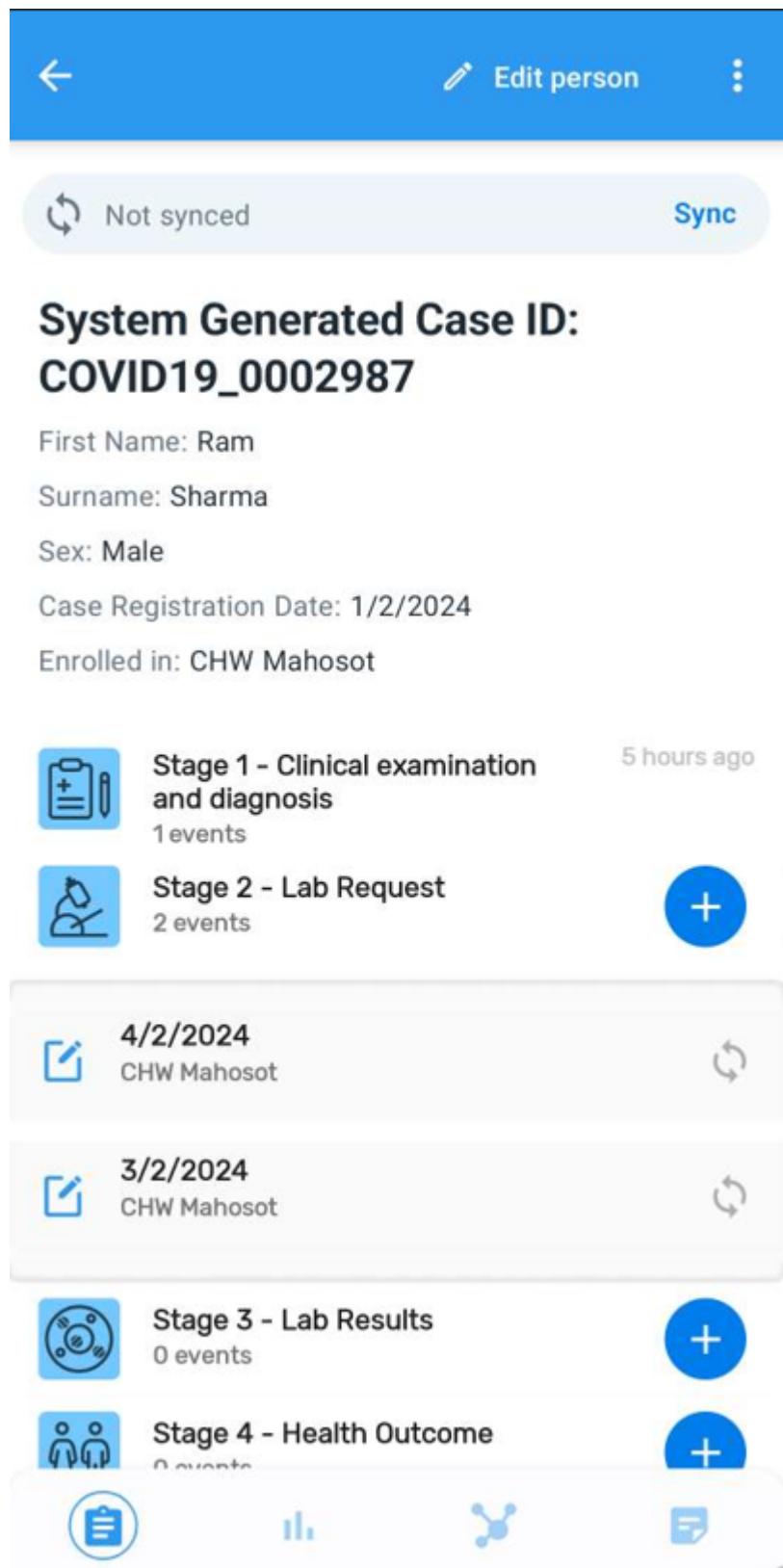
② Specimen details/Détails de l'échantillon 0/3 ⌄

③ Test request details/Détails d'une demande de test 1/1 ⌃

Type of Test ⓘ

PCR ⌄ ✖

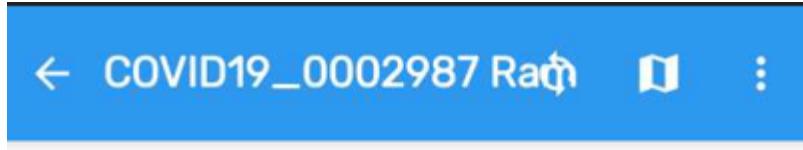
The lab request and lab result stages are repeatable, and you are able to add multiple events to these stages if needed. Just select the stage and add a new event to it if needed. After adding the event, you will see the repeated stages listed when selecting the program stage.



Exercise 4

Add a relationship

From the persons tracker dashboard. Click on the relationship icon to associate the contacts with the case. Create a new relationship by selecting the plus button followed by the "Has been in contact with" relationship type.



Change over to the COVID-19 Contact Registration and Follow-Up Program by using the top menu.

The screenshot shows a mobile application interface for COVID-19 contact registration. At the top, there is a navigation bar with a back arrow, the title "COVID-19 Conta...", a refresh button, and a menu icon. Below the title, it says "All Person".

Underneath, there are several sections:

- COVAC - COVID-19 Vaccination Registry**
- COVID-19 Case-based Surveillance**
- COVID-19 Contact Registration & Follow-up**

The main content area displays a list of contacts, each represented by a blue circular icon containing a letter (C, G, or a person symbol). Each contact entry includes:

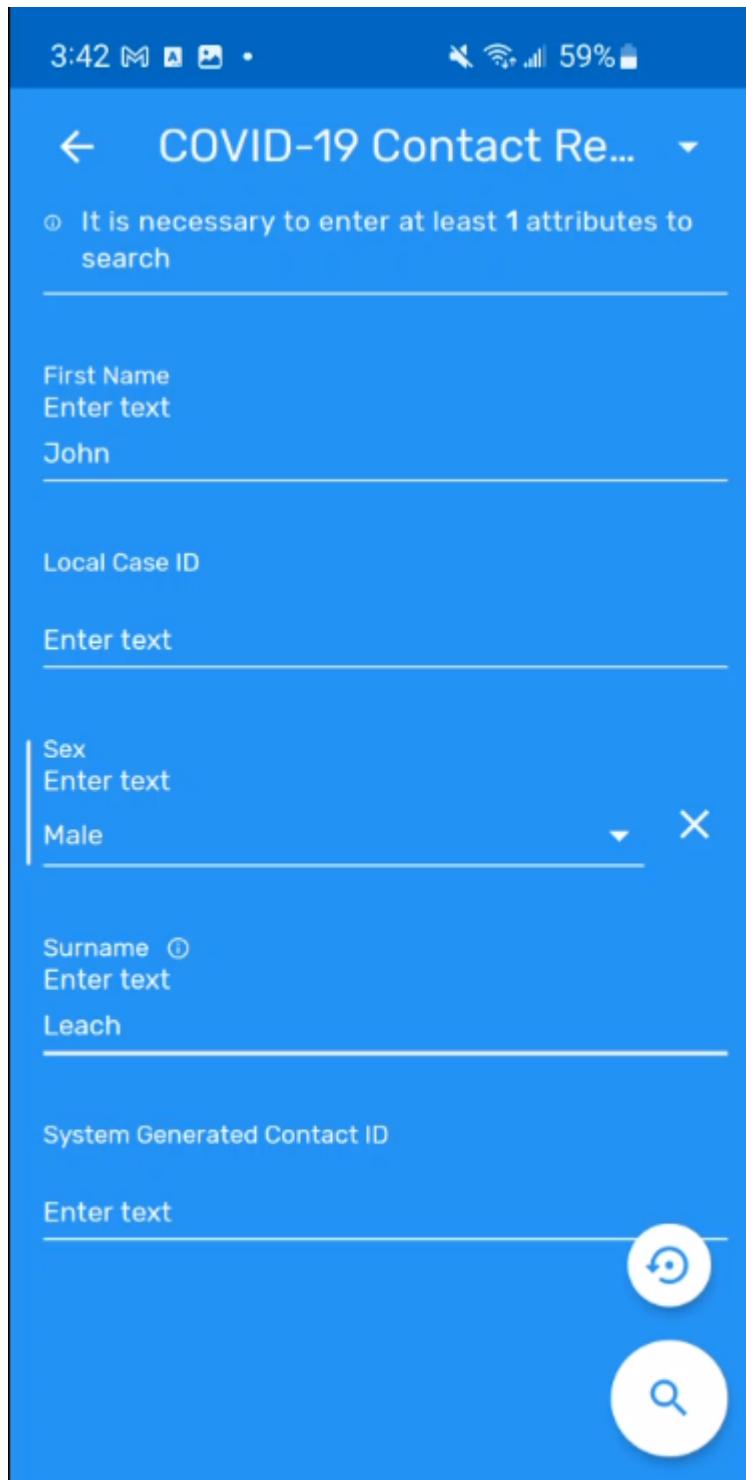
- First Name**: Bart (for C)
- Enrolled in:** CHW Mahosot
- A small edit/pencil icon.

Below this, there are four more entries, each starting with a blue circular icon:

- System G...** - 21/2/2023
- First Name**: Brittany
- Enrolled in:** CHW Mahosot
- System G...** - 21/2/2023
- First Name**: Carlos
- Enrolled in:** CHW Mahosot
- System G...** - 21/2/2023
- First Name**: Kelly
- Enrolled in:** CHW Mahosot
- System G...** COVID19_CONTACTO... 21/2/2023
- First Name**: Hugh
- Enrolled in:** CHW Mahosot

At the bottom of the screen, there are two icons: a list icon and a search icon.

Search for an contact which already exists (in this example John Leach).



Select the contact in order to create a relationship between them and the person you registered. This will take you back to the person's relationship widget and you will see John listed.

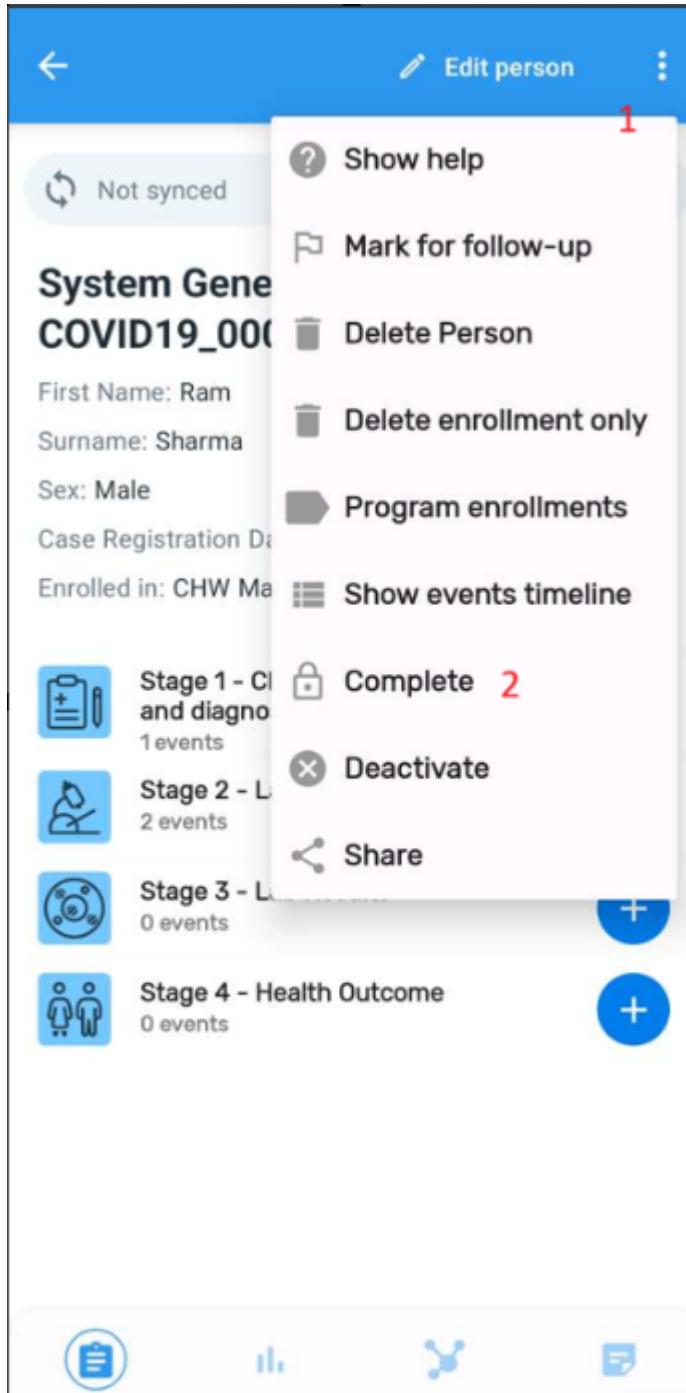


Note: You can also add in new enrollments when creating a relationship as you can on the web. If your search does not return any result, you will be able to create an enrollment in the program and a relationship will be established after the new person is created.

Completing the enrollment

Once you are done entering all data for a tracked entity (attribute information, event data, relationships, etc.). You should consider completing the enrollment. In order to complete the enrollment

1. Select the 3-dot menu
2. Select the complete button



After you have completed the enrollment, the status on the dashboard will change to completed.

The screenshot shows a mobile application interface for managing a person's medical records. At the top, there is a blue header bar with a back arrow icon, the text "Edit person", and a three-dot menu icon. Below the header, a green rounded rectangle contains a checkmark icon and the text "Enrollment completed". The main content area has a light gray background and displays the following information:
System Generated Case ID:
COVID19_0002987
First Name: Ram
Surname: Sharma
Sex: Male
Case Registration Date: 1/2/2024
Enrolled in: CHW Mahosot

A list of stages and their status is shown, each with a corresponding icon:

- Stage 1 - Clinical examination and diagnosis** (Icon: clipboard with pen): 5 hours ago, 1 events.
- Stage 2 - Lab Request** (Icon: horse): 5 hours ago, 2 events.
- Stage 3 - Lab Results** (Icon: laboratory equipment): 0 events.
- Stage 4 - Health Outcome** (Icon: two people): 0 events.

At the bottom, there is a navigation bar with four icons: a clipboard with a checkmark, signal strength, a network or connection symbol, and a square with a grid pattern.

Exercise 5

Enroll the person in another program

From the persons tracker dashboard, go back and select the program enrollments.

Not synced

System Generated ID: COVID19_00000000000000000000000000000000

First Name: Ram

Surname: Sharma

Sex: Male

Case Registration Date:

Enrolled in: CHW Manager

Show help

Mark for follow-up

Delete Person

Delete enrollment only

Program enrollments

Stage 1 - Clinical and diagnosis (1 events)

Stage 2 - Laboratory (2 events)

Stage 3 - Laboratory (0 events)

Stage 4 - Health Outcome (0 events)

This will take you to enrollment list dashboard. From here, enroll them into the Vaccination program.

The screenshot shows the 'Enrollment List' screen. At the top, there is a blue header bar with a back arrow icon and the text 'Enrollment List'. Below the header, there is a section titled 'All enrollments' with a right-pointing arrow icon. Underneath this, it says 'Show dashboard with all active programs'. The main content area is divided into sections: 'Active programs' (which is currently selected, indicated by a grey background), 'COVID-19 Case-based Surveillance' (with a date of 1/2/2024), and 'Programs to enroll' (which contains two items: 'COVAC - COVID-19 Vaccination Registry' and 'COVID-19 Contact Registration & Follow-up'). Each program item has an 'ENROL' button to its right.

After you select the program to enroll them into, select the date of registration and the organisation unit.

This will then take you to the attribute details. You will see it carries over the details that you have already entered previously and you do not need to enter them again.

← Enroll in COVAC - COVID-19 Vaccination Registry

① Enrollment data 2/3 ^

Date of registration *

2024-02-05

Enrolling OU: *

CHW Mahosot

Coordinates for the Person

Latitude Longitude

② Attributes - Person 4/11 ▼

Once you have filled/updated these details, save the person by using the disk icon. This should take you to their dashboard in vaccination registry program.

Go back to the search page and you will find your person that you initially enrolled into the Case-based surveillance program now also has an enrollment in the Vaccination program (you will see the small vaccine icon on the list).

COVID-19 Case...

Search

c System Generated Case ID: COVID19_0002987 now

First Name: Ram
Surname: Sharma
Sex: Male
Enrolled in: CHW Mahosot
Programs: COVAC - COVID-19 Vaccination Registry
Not synced

c Sync

c System Generated Case ID: COVID19_0000348 54 min. ago

First Name: Brianna
Surname: Richard
Date of birth: 1967-09-20
Enrolled in: CHW Mittaphap
Not synced

c Show more Sync

c System Generated Case ID: 7/1/2024

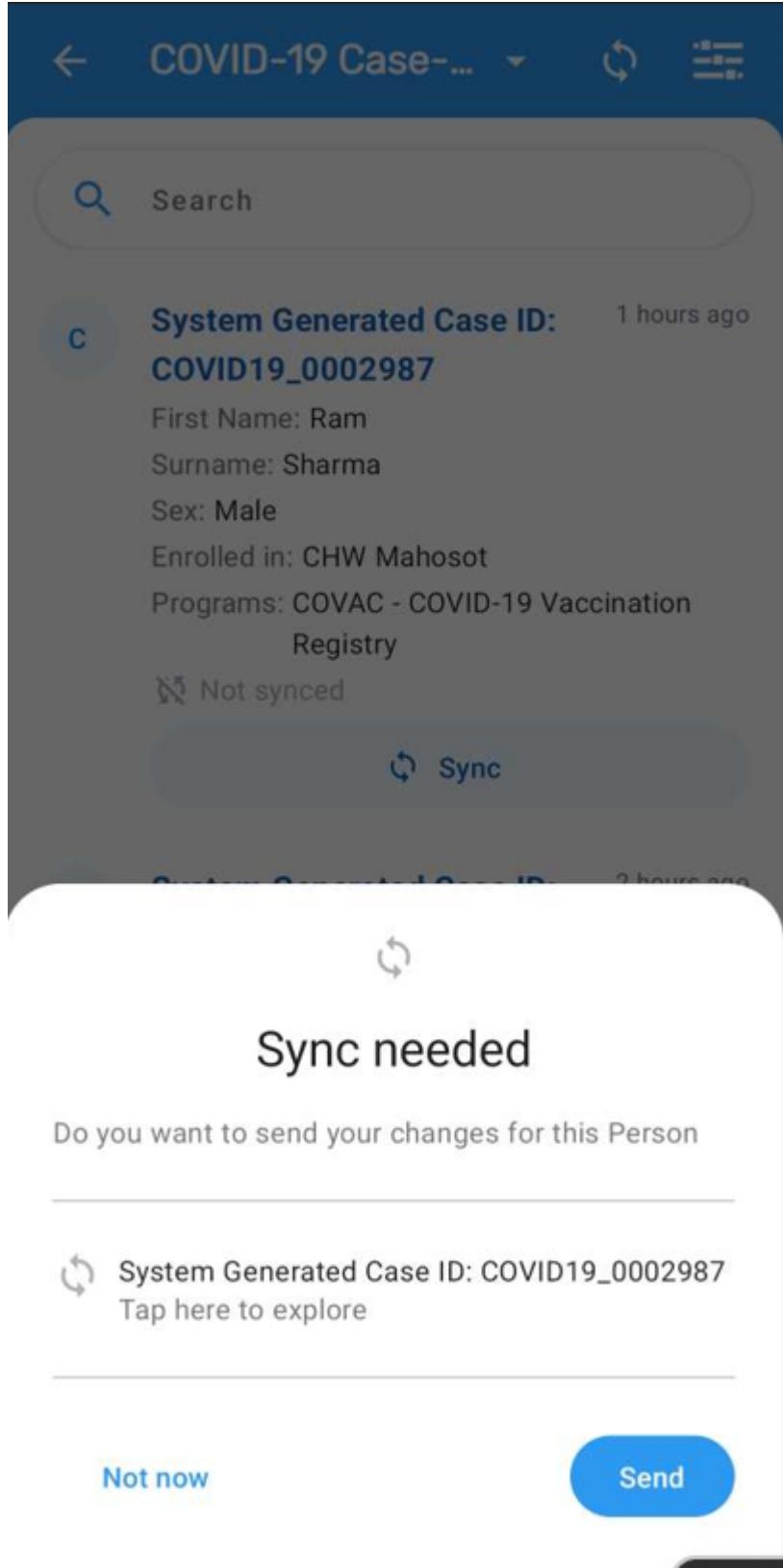
c Sync

Exercise 6

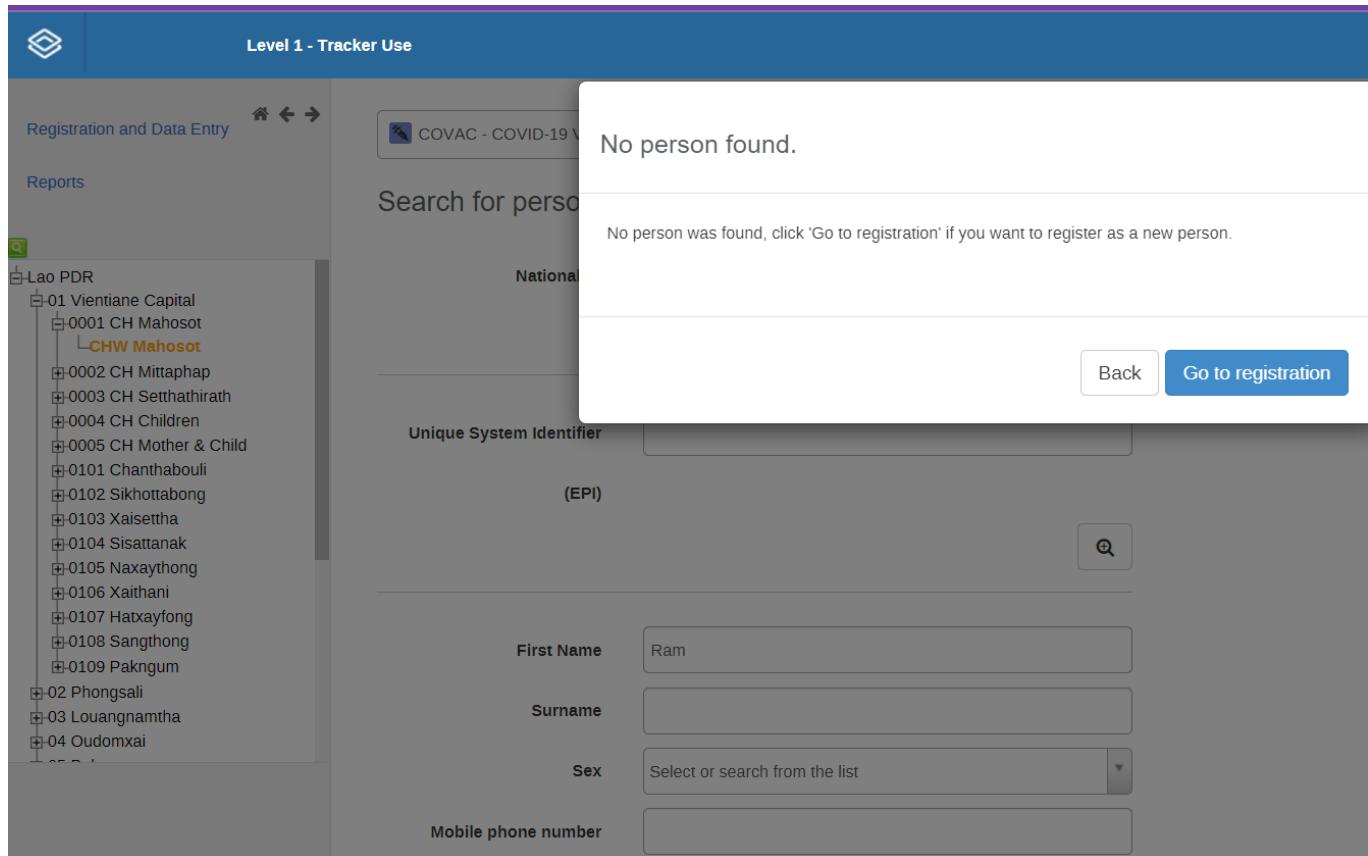
Sync the event

Data on android syncs on a schedule. It can also be manually synced from the device to the server. Let us review how to perform the manual sync.

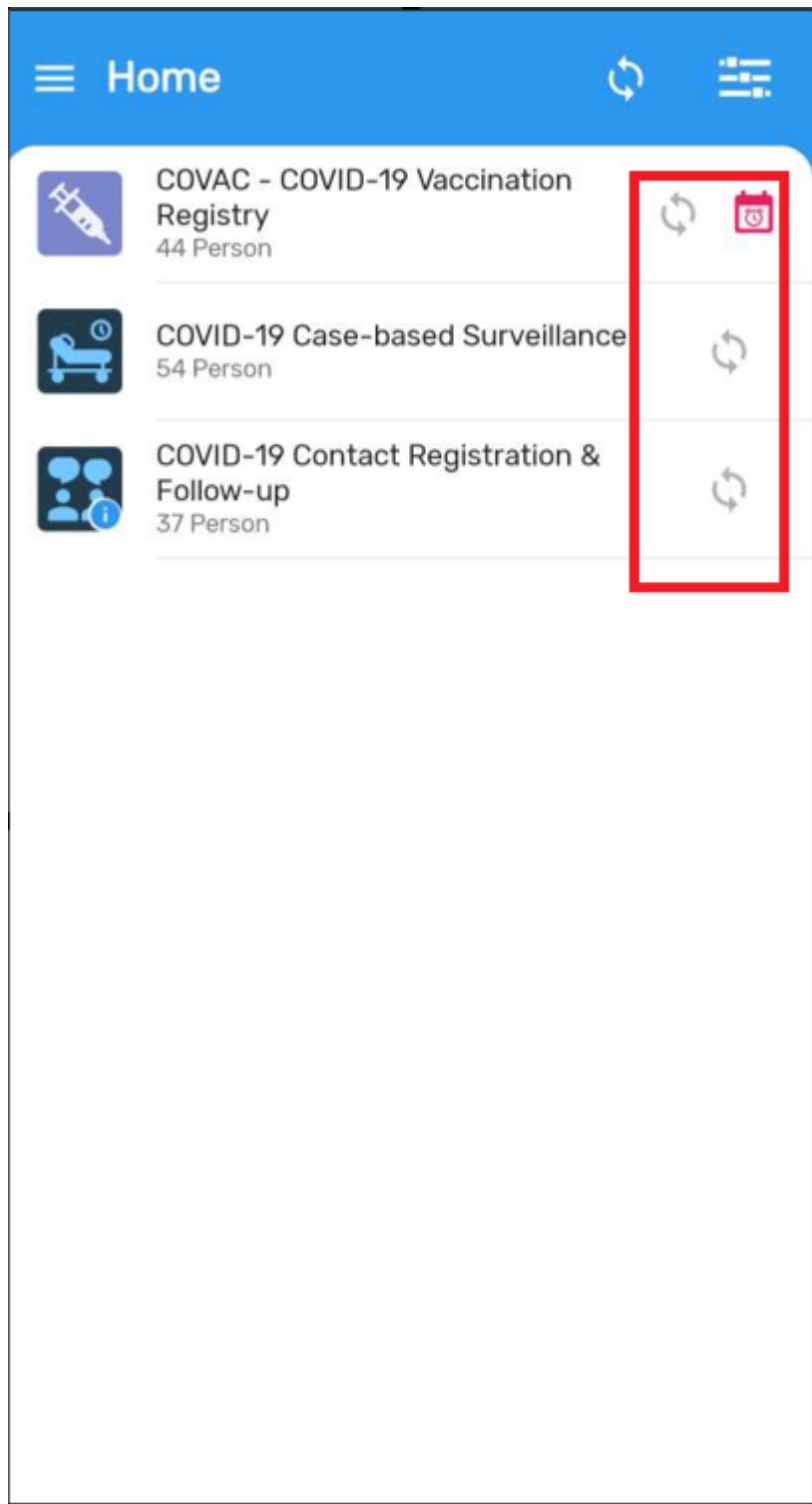
From the search page, select the person's sync status to see that this data has not been posted online.



If you log in to the web and search, you will not find this person:



Go back to the home page and sync your data using one of the sync status icons.



By doing this from the home page, you are able to sync many updated records at once.

Show the person in the web by going to the org unit you registered them to. There attributes and events should all be synced online.

← COVAC - COVID-19 Va...

ⓘ It is necessary to enter at least 1 attributes to search

National ID

Enter text

Unique System Identifier (EPI) ⓘ

Enter text

First Name

Enter text

Surname ⓘ

Enter text

Sex

Enter text

Mobile phone number ⓘ

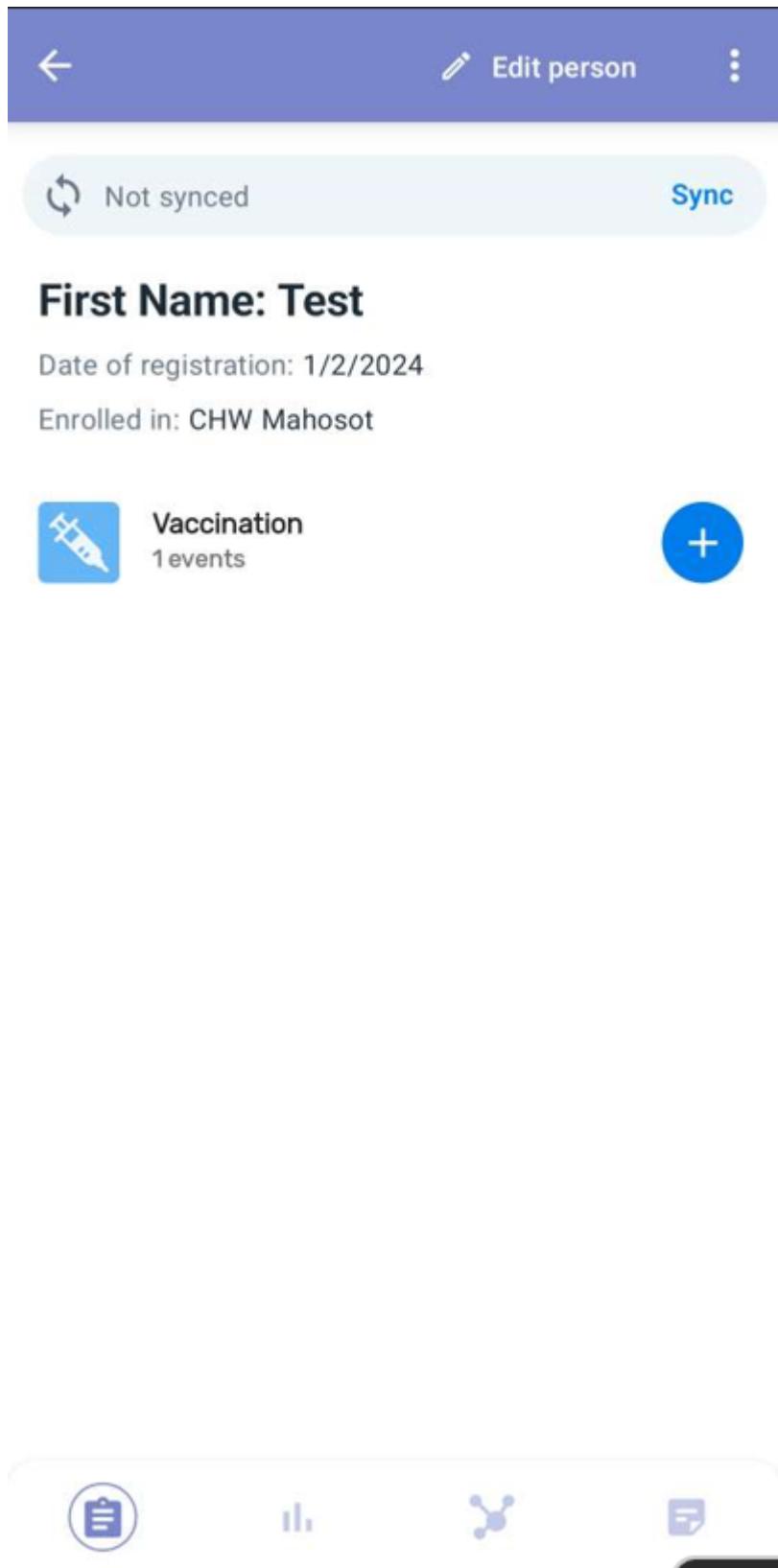
Enter phone number

Home Address



You will notice that you are able to automatically generate the EPI number. This is because when you were online and created a new record, a number of ID's were generated and stored for use. You need to be a bit careful here because if all of these ID's become used up before you connect again, you will not be able to register any more new children. Your system administrator can help configure how many ID's you can use offline. It is recommended to keep this up to 500 ID's. Working offline should therefore be considered carefully.

Go ahead and register a new vaccination and add a new event.

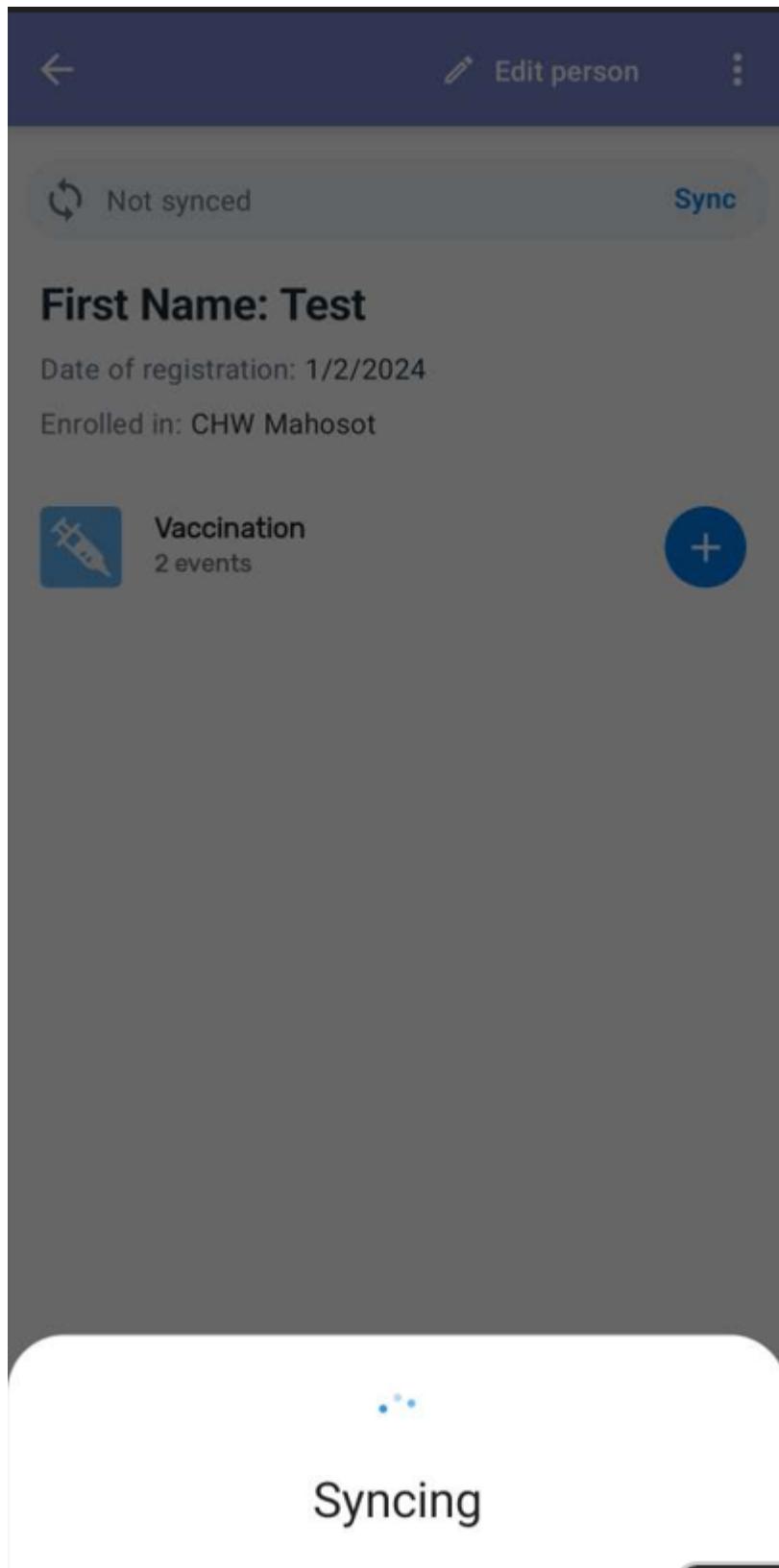


As you have no network connection the data will not sync.



Go ahead and turn on the wi-fi, than sync the data.

Check the record and it should be green, showing it was sent.



You can go online in the web and verify this as well

Registration and Data Entry ← →

Reports

Lao PDR

- 01 Vientiane Capital
 - 0001 CH Mahosot
 - CHW Mahosot**
 - +0002 CH Mittaphap
 - +0003 CH Setthathirath
 - +0004 CH Children
 - +0005 CH Mother & Child
 - +0101 Chanthabouli
 - +0102 Sikhottabong
 - +0103 Xaiseththa
 - +0104 Sisattanak
 - +0105 Naxaythong
 - +0106 Xaithani
 - +0107 Hatxayfong
 - +0108 Sangthong
 - +0109 Pakngum
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Mobile phone number

Search for person

Person search results

National ID

Unique System Identifier (ESI)

First Name

Surname

Date of birth

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