

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

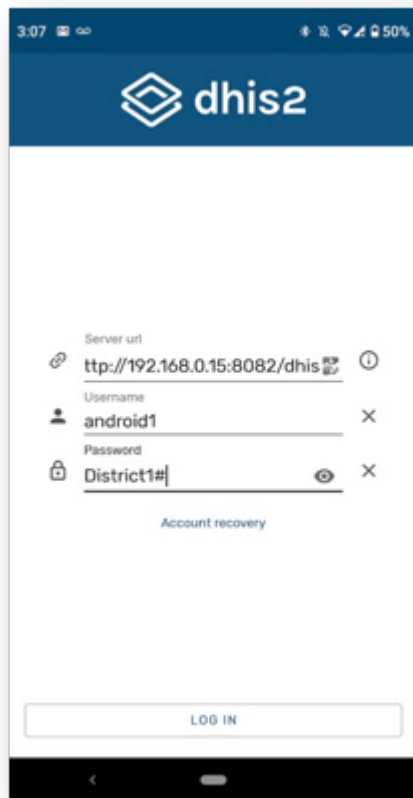
Exercise 1

Log in to the Android App

Server URL : the academy instance URL specified by your instructors

Username: android1

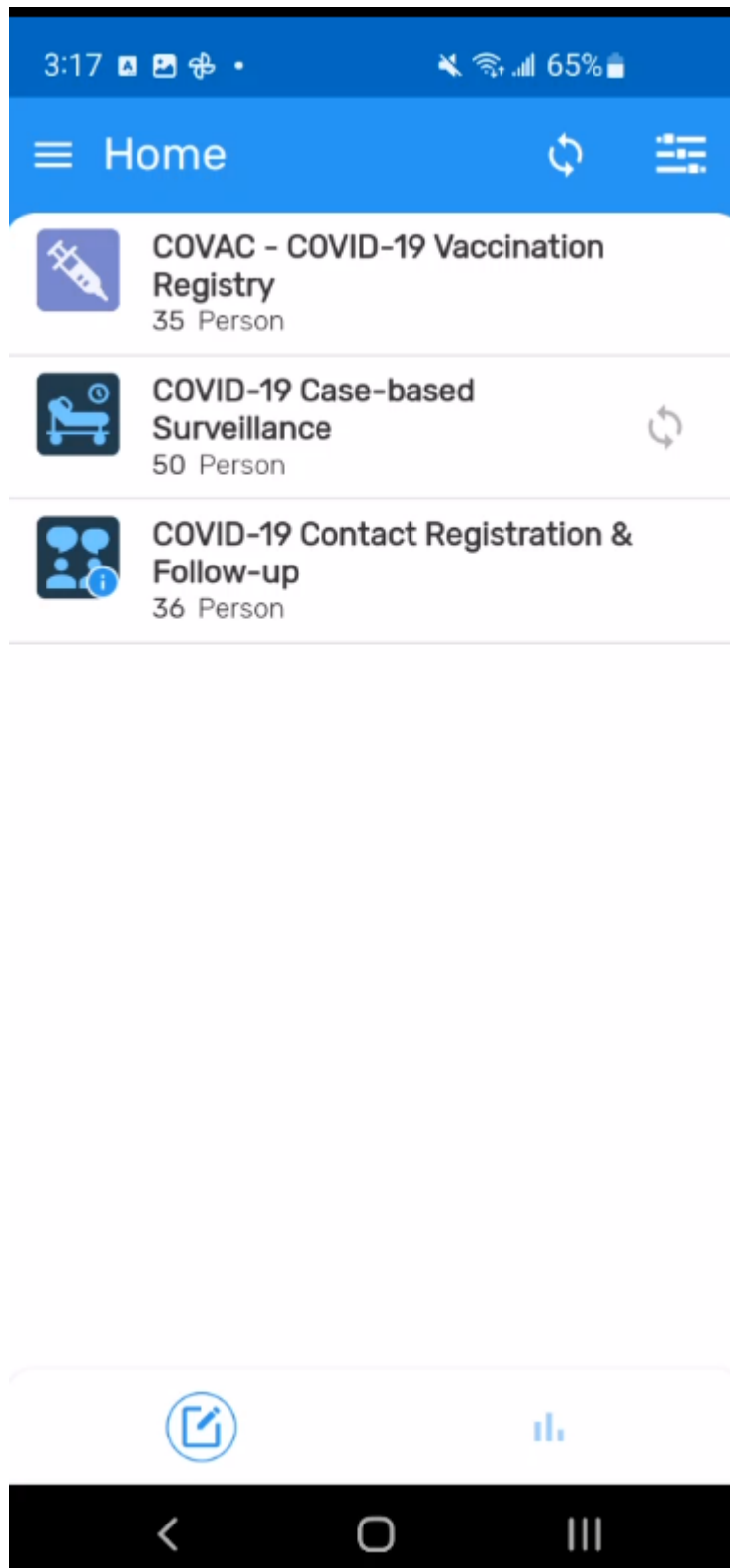
Password: District1#



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

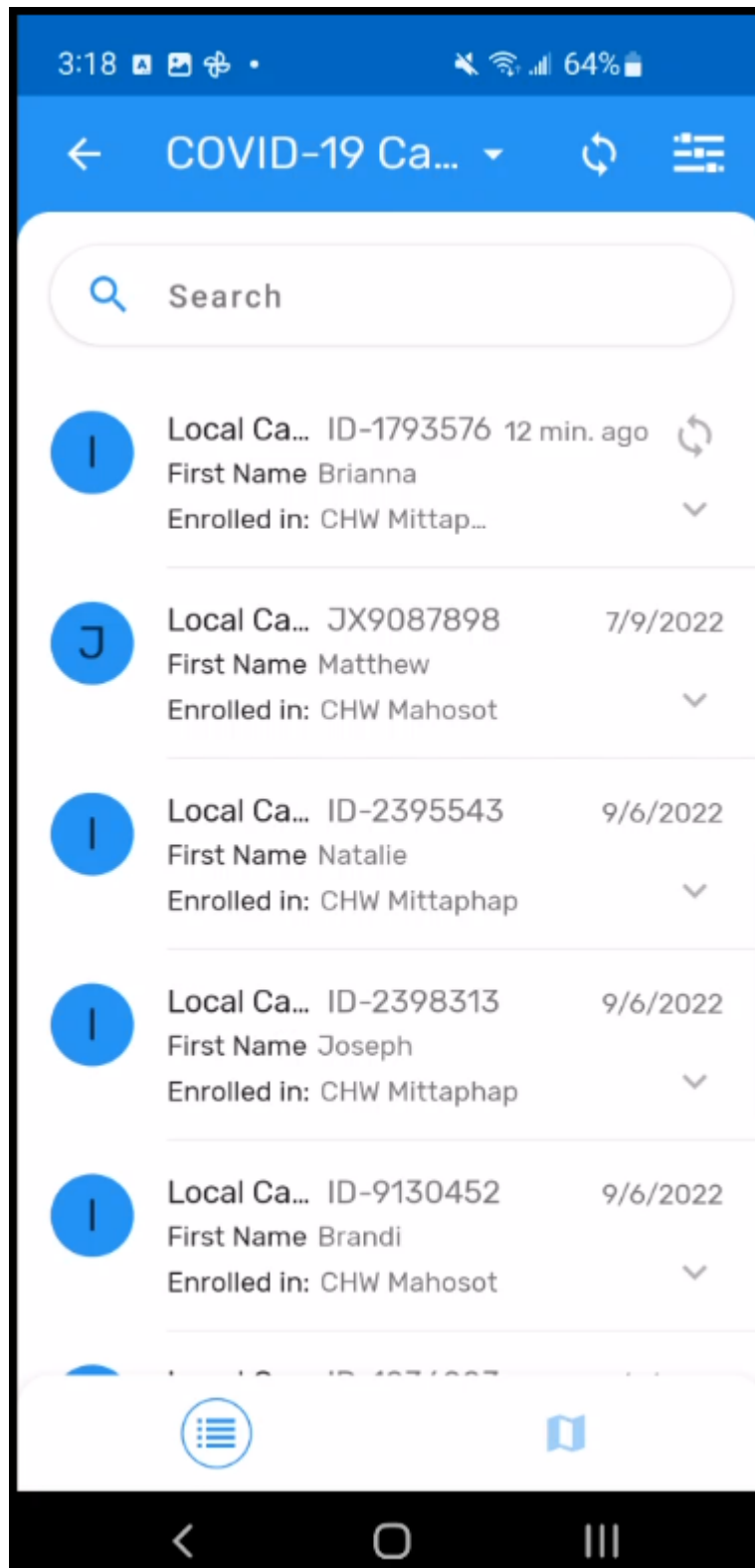
Review the interface

You should see the following programs when logging in



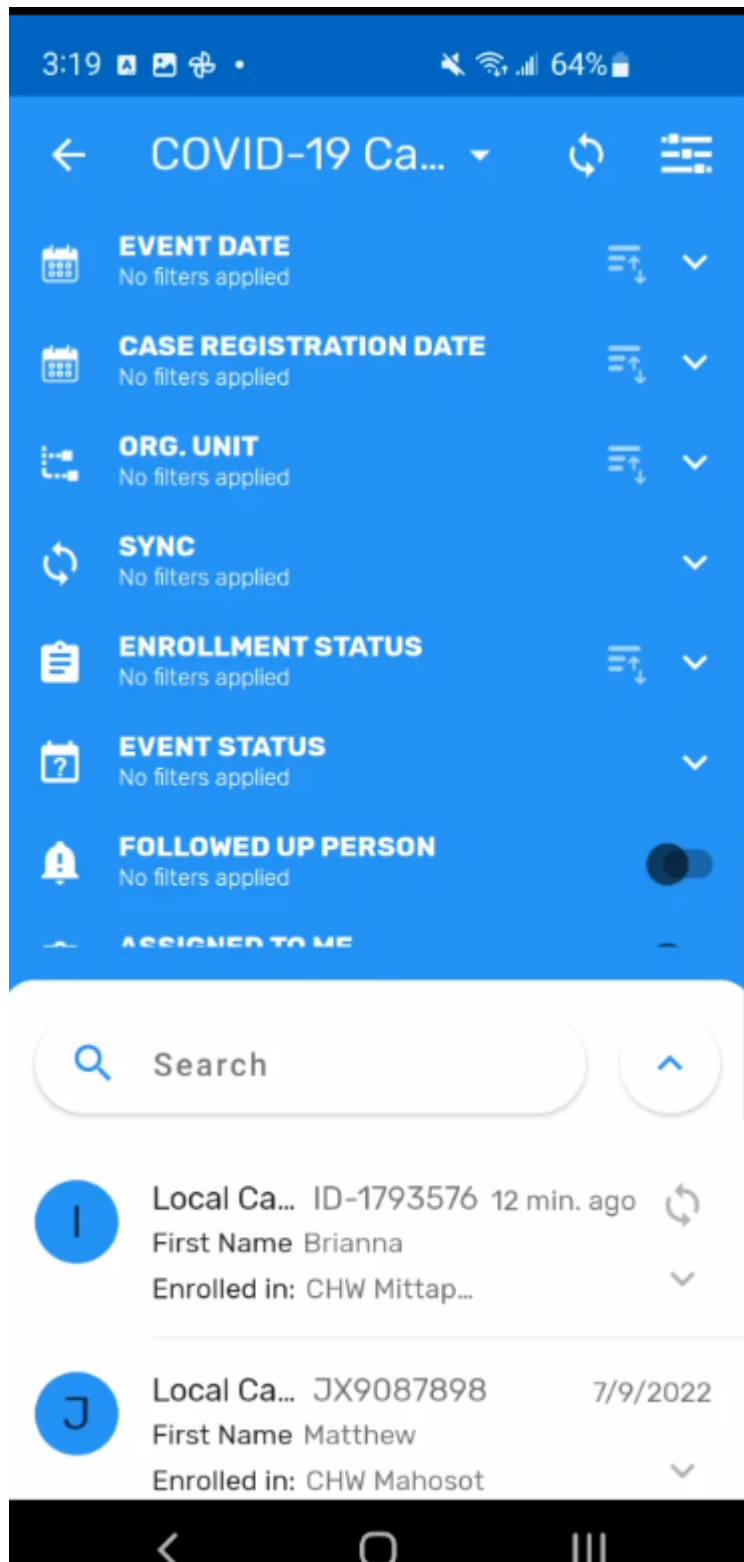
Select the Case-base Surveillance program

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.



Filter the list

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



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

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).




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  

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 93%
28/4/2021 | CHW Mittaphap

1 Clinical Signs and S... 6/6

Sign/Symptoms Present
Choose option
Yes

Date of symptoms onset
Choose date
22/4/2021

Sign/Symptoms Fever
Choose option
Yes

Temperature
Enter number
37

Sign/Symptoms Cough
Choose option
Yes

Sign/Symptoms Shortness of Breath
Choose option

Exit the record to proceed.

Exercise 2

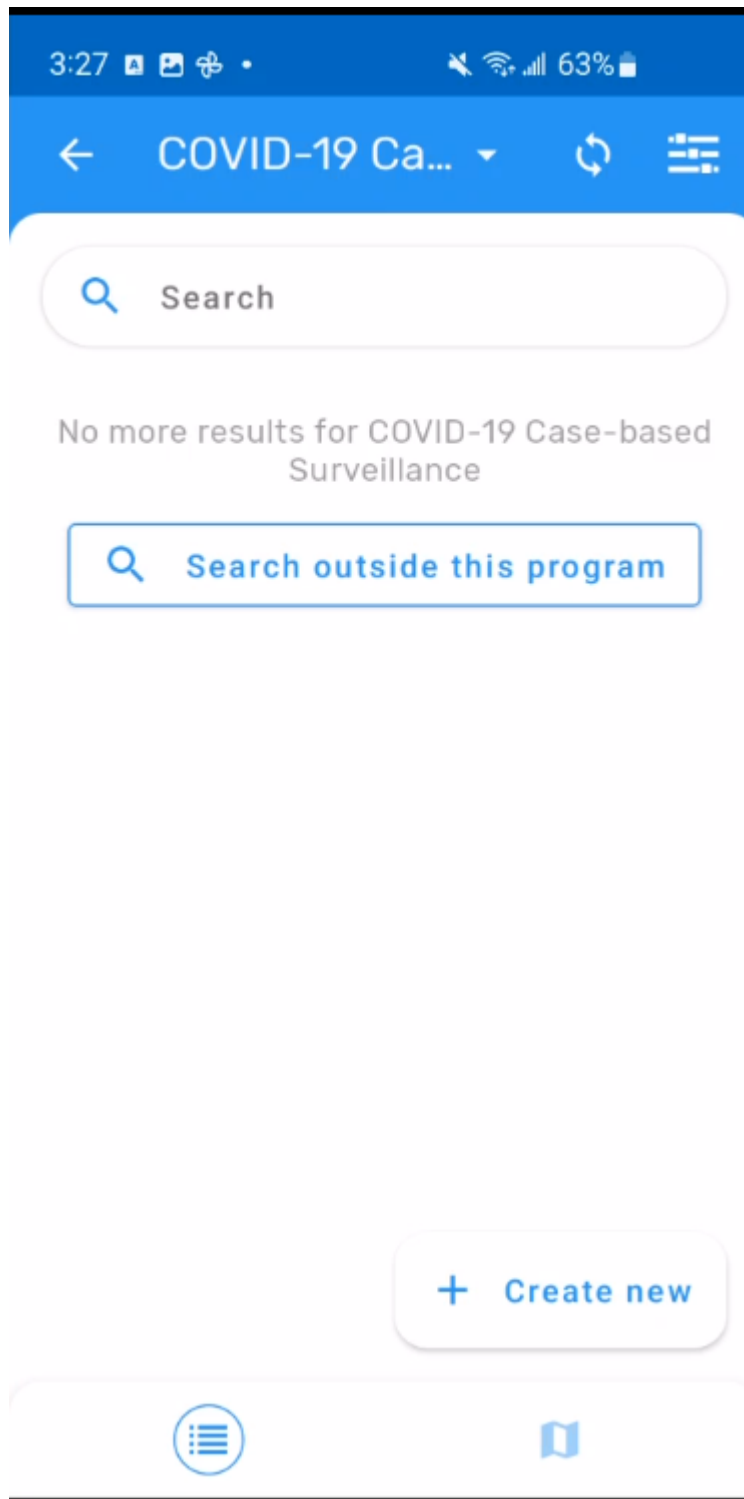
Register a new case

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

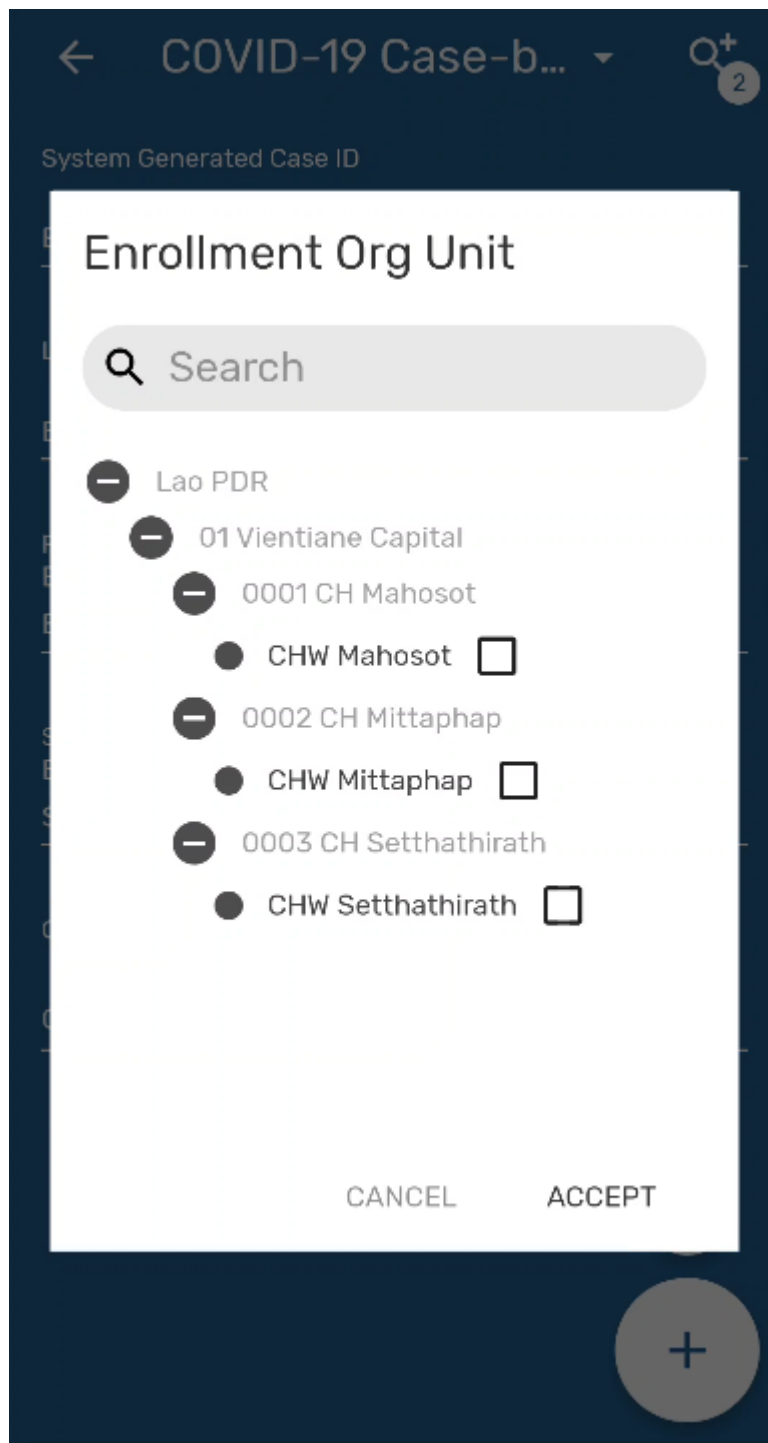
In order to register someone on the android app, you first must search to see if they exist

Start the search process again that you have just shown.

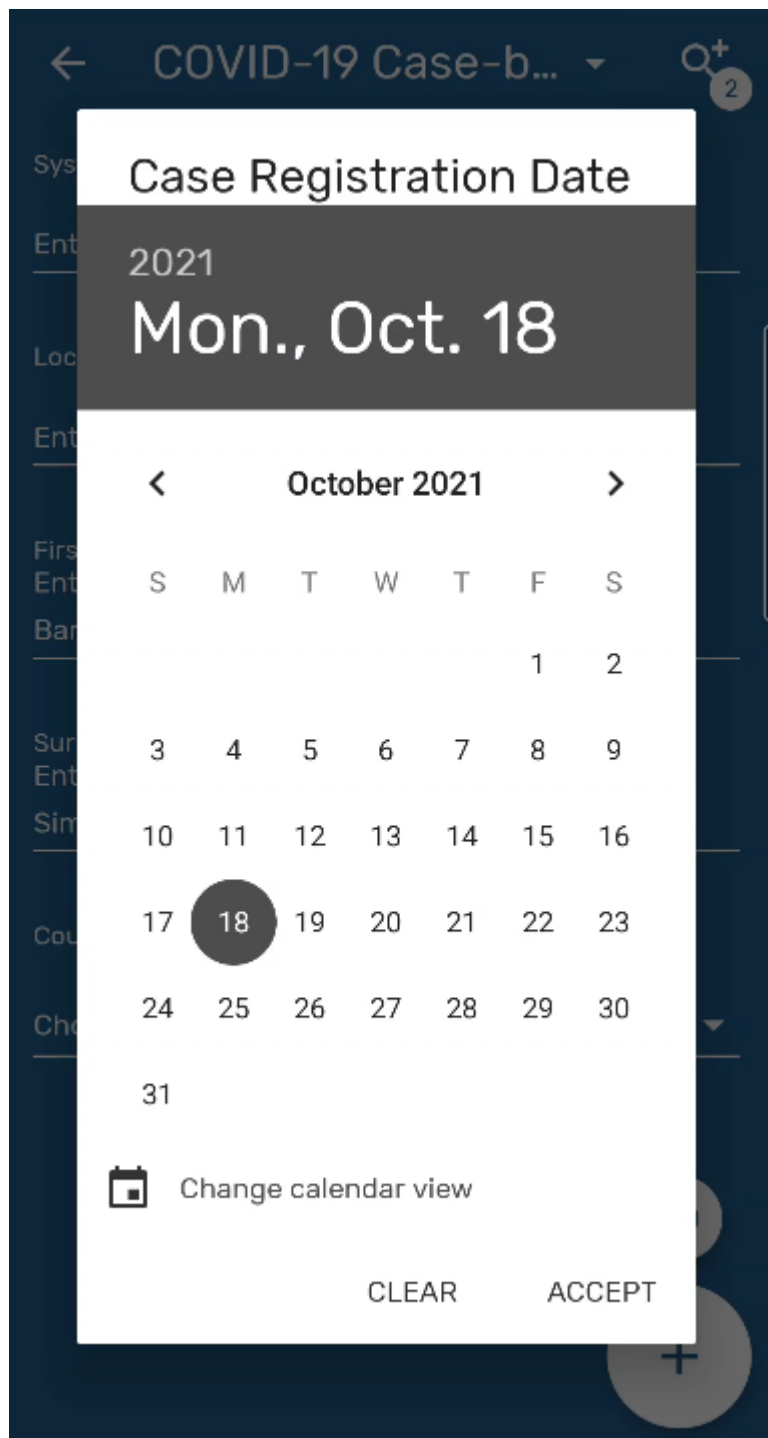
Enter your details (your first name and surname) and try to search for yourself. You should get a message that your record could not be found.



Click on the plus sign than select an org unit in which to register the case into. Select Accept 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.

3:32 62%

Enroll in COVID-19 Case-based Surveillance

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

Save (disk icon)

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."

The screenshot shows a mobile application interface for "COVID-19 Case-based Surveillance". At the top, the status bar shows the time 13:35, 4G signal, and battery level. The app header is blue with a back arrow, the title "COVID-19 Case-based Surveillance", a progress indicator at 10%, and a menu icon. Below the header, there is a section titled "Stage 1 - Clinical examination and diagnosis" with a subtext: "Clinical examination and diagnosis covers the form sections Vaccination History and Clinical data, follow-up and treatment". A "Share" button is located to the right of this section. The form contains several input fields: "Date of Consultation" with the value "30/9/2021", "Org unit" with the value "CHW Mahosot", and two fields for "Latitude" and "Longitude". To the right of these fields are icons for location (a target symbol) and a document. At the bottom right of the form is a dark blue "UPDATE" button. The bottom of the screen shows the standard Android navigation bar with back, home, and recent apps buttons.

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

1/10/2021 | CHW Mahosot

42%

⋮

1 Clinical Signs and S...

ⓘ

5/5

^

Sign/Symptoms Present

Choose option

1.

Yes

▼

×

Date of symptoms onset

Choose date

15/10/2021

📅

×

Sign/Symptoms Fever ⓘ

Choose option

No

▼

×

Sign/Symptoms Cough ⓘ

Choose option

No

▼

×

Sign/Symptoms Shortness of Breath ⓘ

Choose option

Yes

▼

×

2 Pregnancy Details/...

ⓘ

0/1

2. ▾

3 Underlying Condition

ⓘ

0/1

...

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

←

Stage 1 - Clinical

1/10/2021 | CHW Mahosot

57%

⋮

1 Clinical Signs and S...

i

5/5

^

Choose option

No

▼

×

Sign/Symptoms Shortness of Breath

i

Choose option

Yes

▼

×

2 Pregnancy Details/D...

i

1/1

▼

3 Underlying Condi...

i

2/10

▼

4 Hospitalisation

1/1

▼

5 Exposure Risk

3/3

▼

6 Travel History

2/5

▼

7 Assigned Date of On...

i

1/1

▼

📄

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

16 / 42

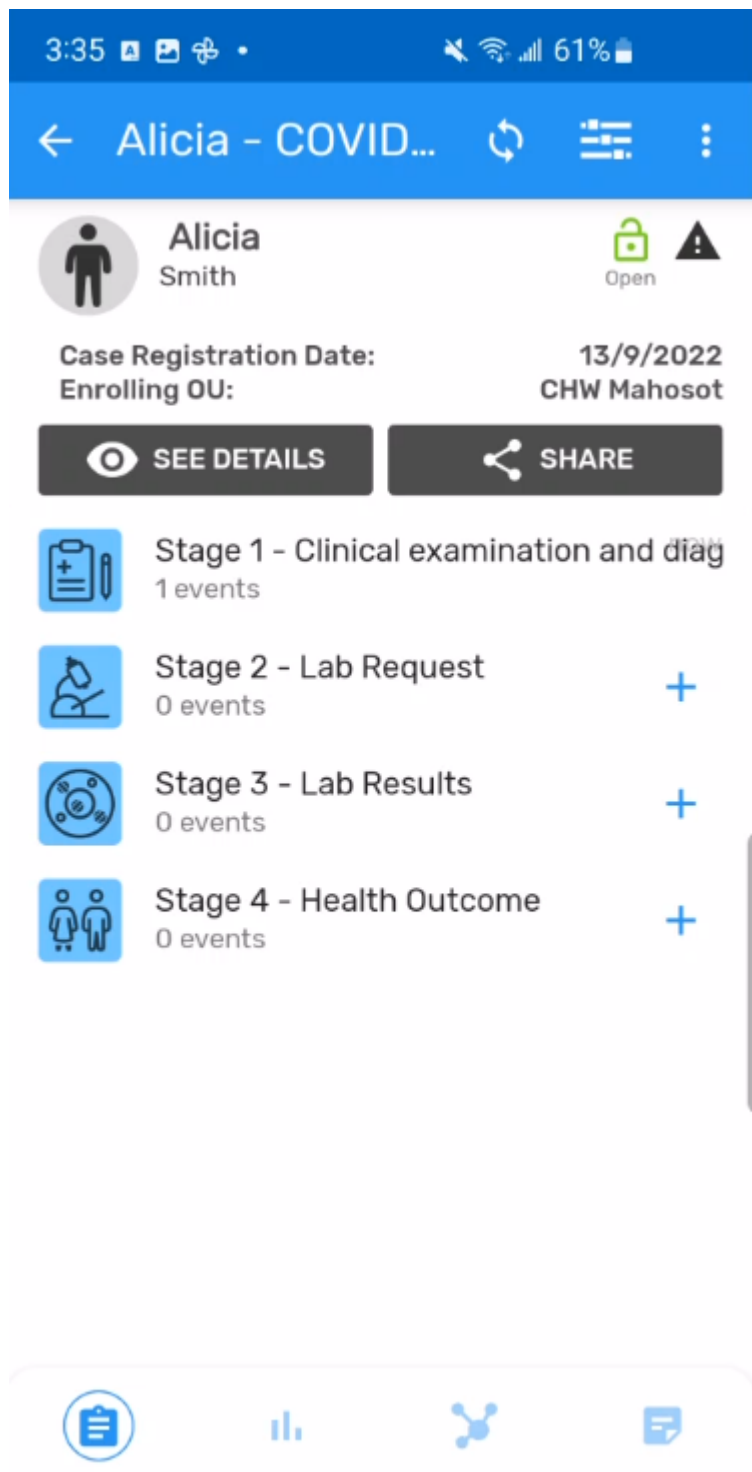
The screenshot shows a mobile application interface for a clinical form titled "Stage 1 - Clinical" with a date of "13/9/2022" and a location of "CHW Mahosot". A progress indicator shows "80%". The form contains several sections, each with a numbered icon, an information icon, and a completion status:

- 1 Clinical Signs and S... (5/6)
- 2 Pregnancy Details/D... (1/1)
- 3 Underlying Conditio... (1/1)
- 4 Hospitalisation (1/1)
- 5 Exposure Risk (3/3)
- 6 Travel History (0/2)
- 7 Assigned Date of On... (1/1)

A "Saved!" dialog box is displayed in the foreground, asking "Do you want to mark this form as complete?". It has two buttons: "Not now" and "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.

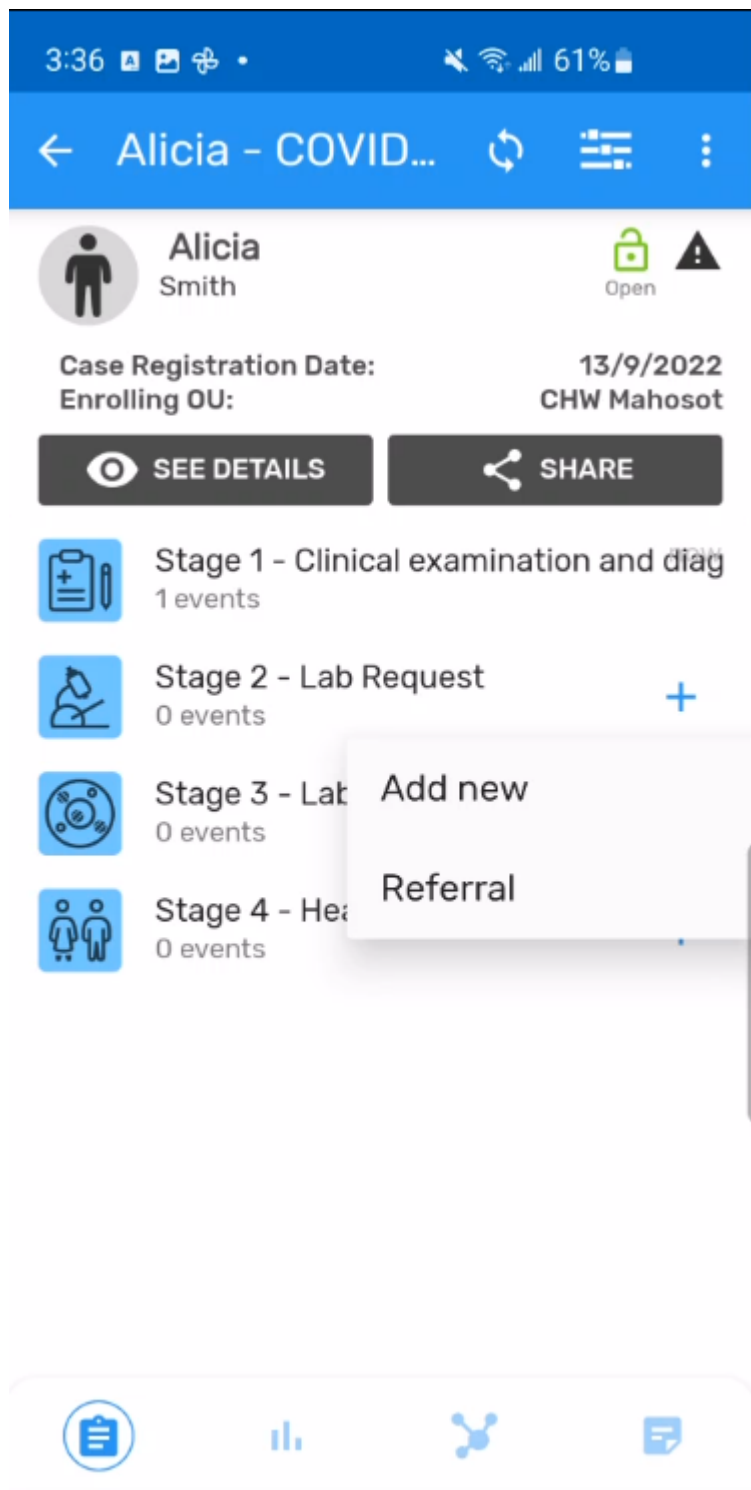


Exercise 3

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.



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

The screenshot shows a mobile application interface for "COVID-19 Case-based Surveillance - New event". The status bar at the top indicates the time is 13:49, and the network is 4G. The app header is blue with a back arrow, the title "COVID-19 Case-based Surveillance - New event", and a menu icon. Below the header, the form is titled "Stage 2 - Lab Request" with a magnifying glass icon. It contains two input fields: "Date of Lab request" with the value "30/9/2021" and "Org unit" with the value "CHW Mahosot". A "NEXT" button is located at the bottom right of the form area. The Android navigation bar is visible at the very bottom.

13:49 4G

← COVID-19 Case-based Surveillance - New event

Stage 2 - Lab Request

Date of Lab request
30/9/2021

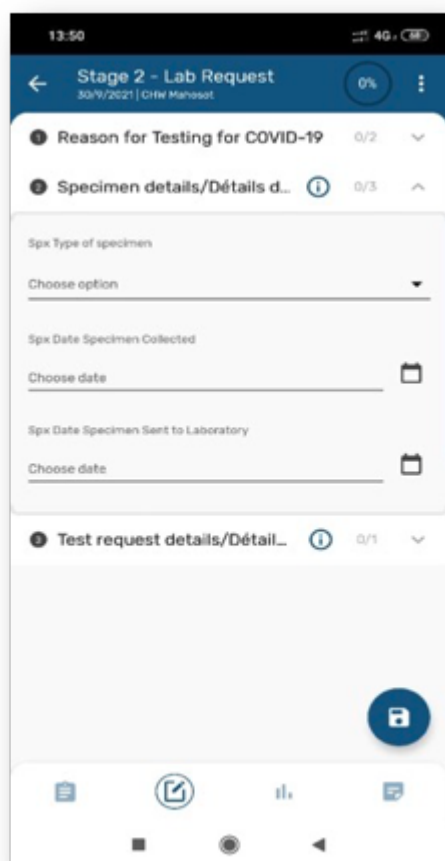
Org unit
CHW Mahosot

NEXT

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



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



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.

13:50 4G+ 58%

← Stage 2 - Lab Request 66% 30/9/2021 | Chai Mahoset

1 Reason for Testing for COVID-19 0/2

2 Specimen details/Détails d... 3/3

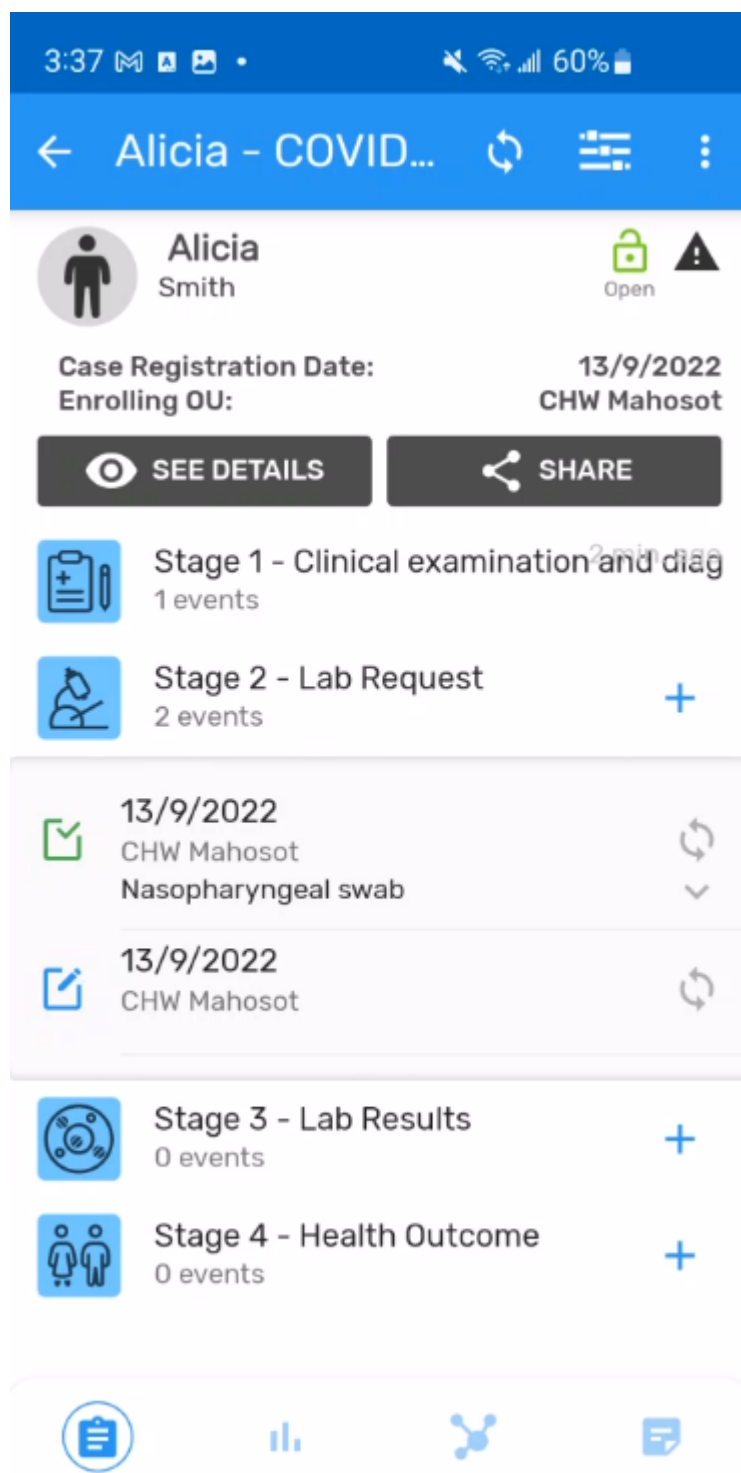
3 Test request details/Détails... 1/1

Spix Type of Test Choose option

PCR

Save icon

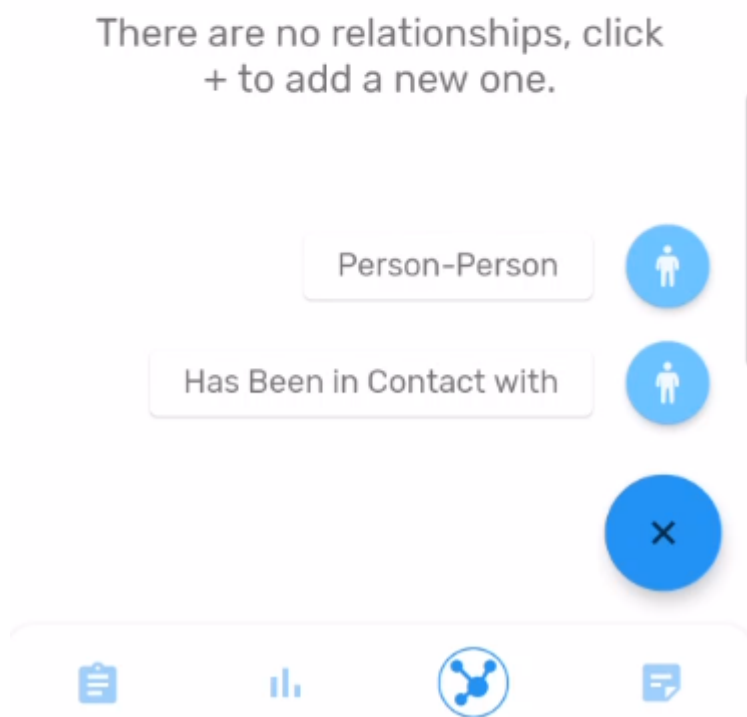
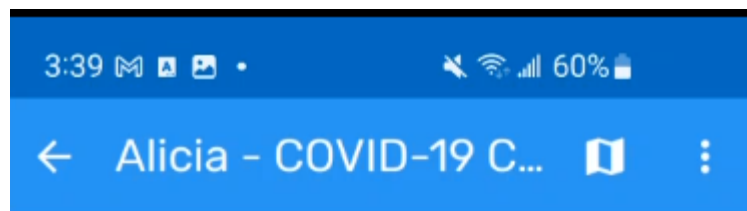
The lab request and lab result stages are repeatable, and you are able to add multiple events to these stages if needed. Just select the stage and add a new event to it if needed. After adding the event, you will see the repeated stages listed when selecting the program stage.



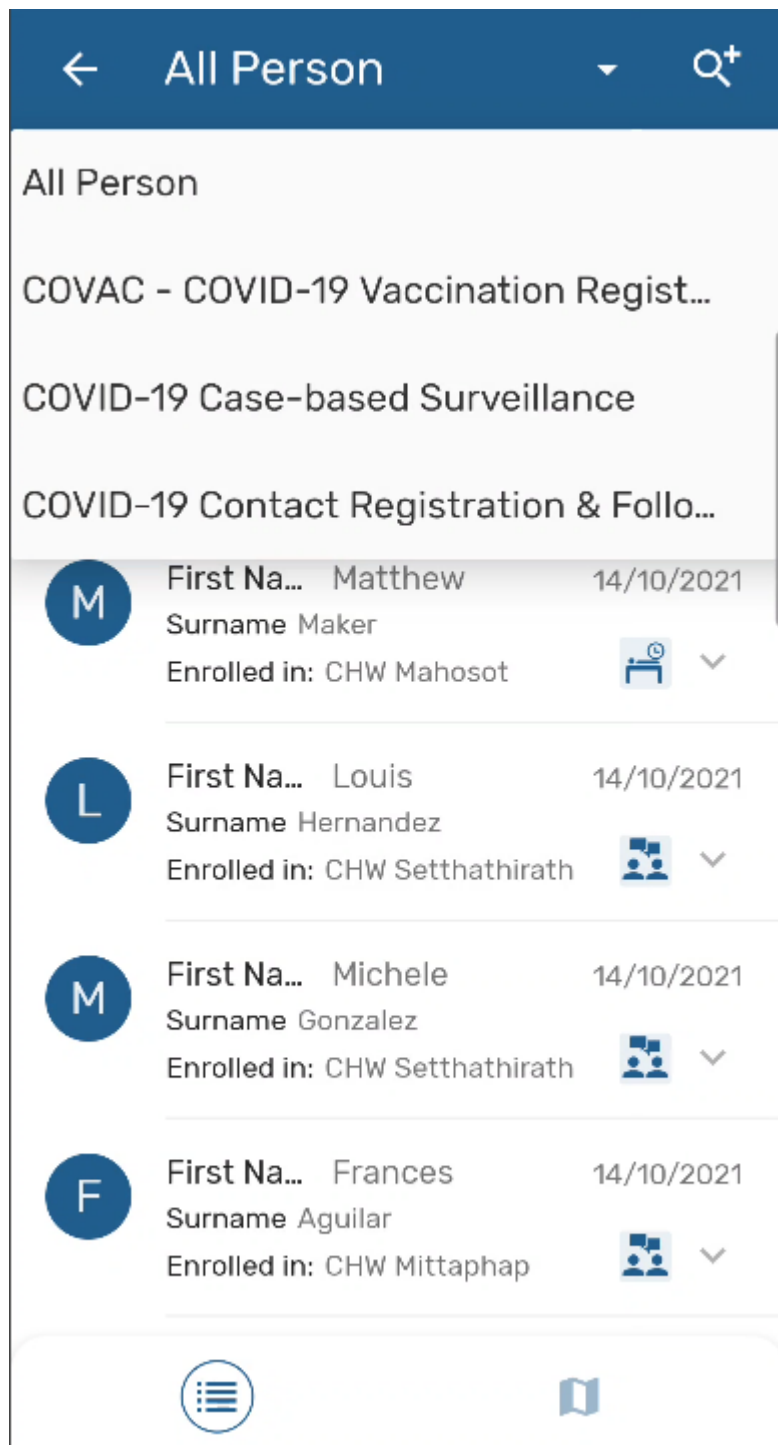
Exercise 4

Add a relationship

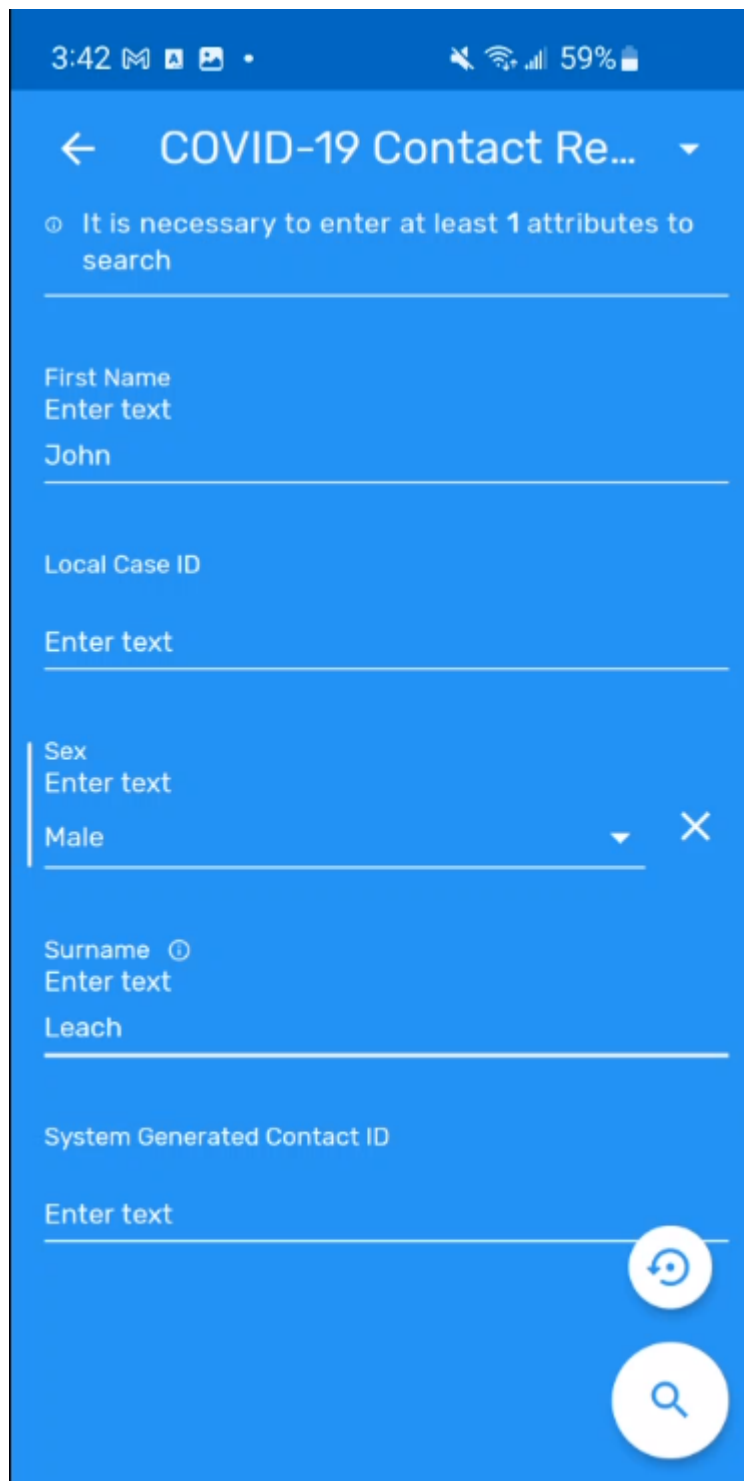
From the persons tracker dashboard. Click on the relationship icon to associate the contacts with the case. Create a new relationship by selecting the plus button followed by the "Has been in contact with" relationship type.



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



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



The screenshot shows a mobile application interface for creating a COVID-19 contact relationship. The title bar is blue with a back arrow, the text "COVID-19 Contact Re...", and a dropdown arrow. Below the title bar, a message states: "It is necessary to enter at least 1 attributes to search". The form consists of several text input fields and a dropdown menu, all with a blue background and white text. The fields are labeled: "First Name" (with "John" entered), "Local Case ID" (with "Enter text" placeholder), "Sex" (with "Male" selected in a dropdown), "Surname" (with "Leach" entered), and "System Generated Contact ID" (with "Enter text" placeholder). At the bottom right, there are two circular buttons: one with a refresh icon and one with a search icon. The status bar at the top shows the time as 3:42, signal strength, Wi-Fi, and 59% battery.

3:42 M A • 59%

← COVID-19 Contact Re... ▾

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

First Name
Enter text
John

Local Case ID
Enter text

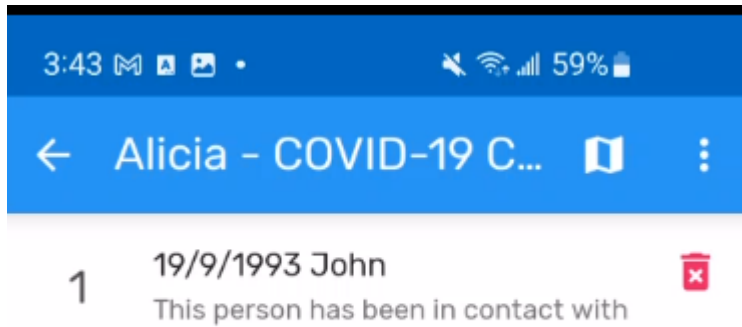
Sex
Enter text
Male ▾ ✕

Surname ⓘ
Enter text
Leach

System Generated Contact ID
Enter text

⌂ 🔍

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.

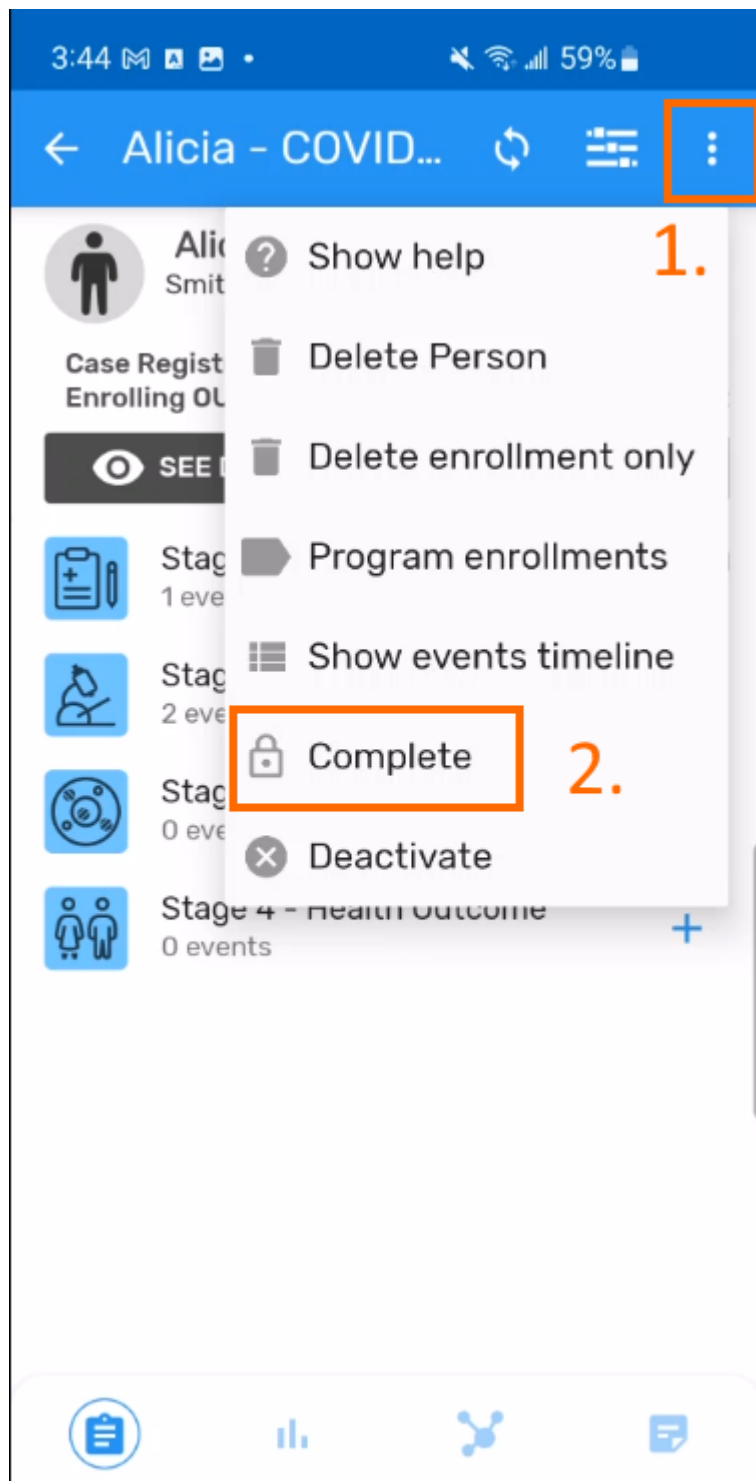


Note: You can also add in new enrollments when creating a relationship as you can on the web. If your search does not return any result, you will be able to create an enrollment in the program and a relationship will be established after the new person is created.

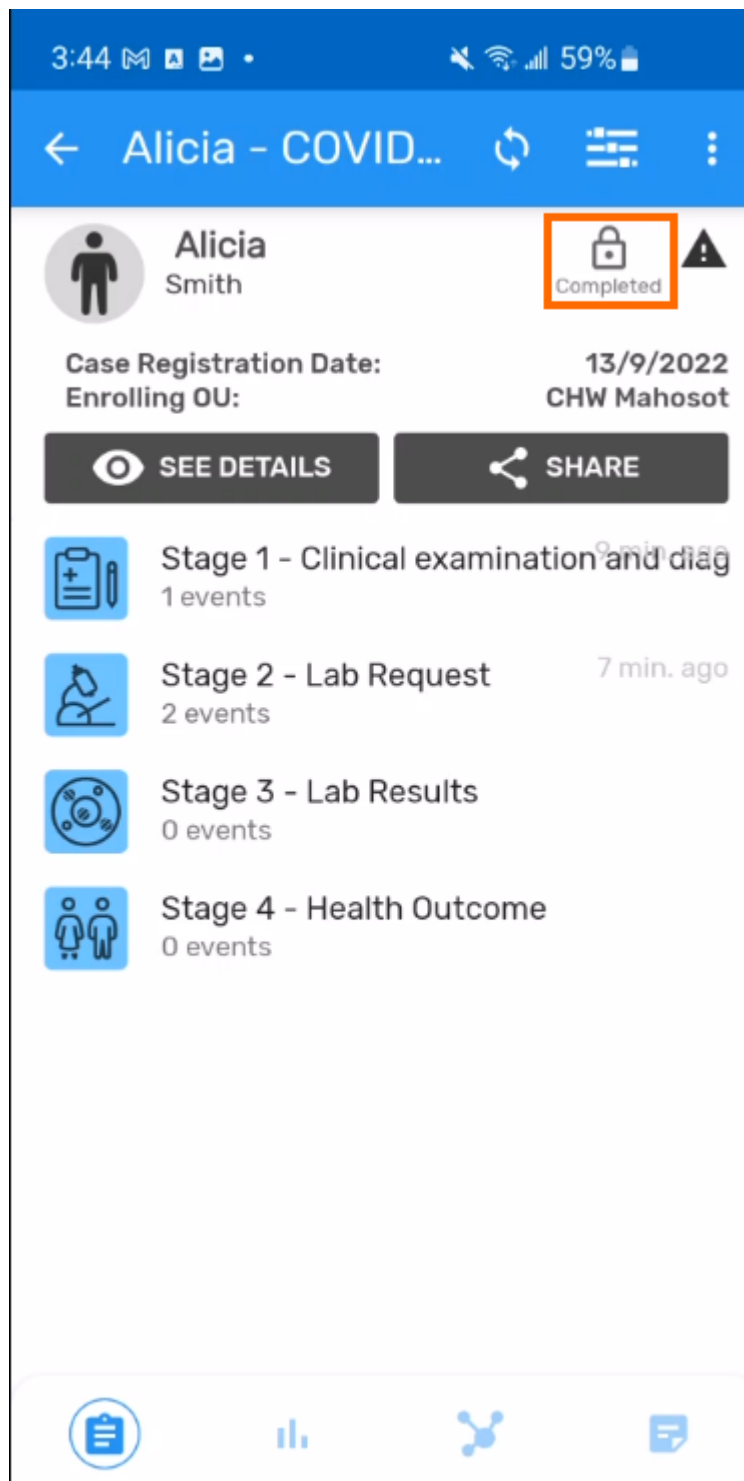
Completing the enrollment

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



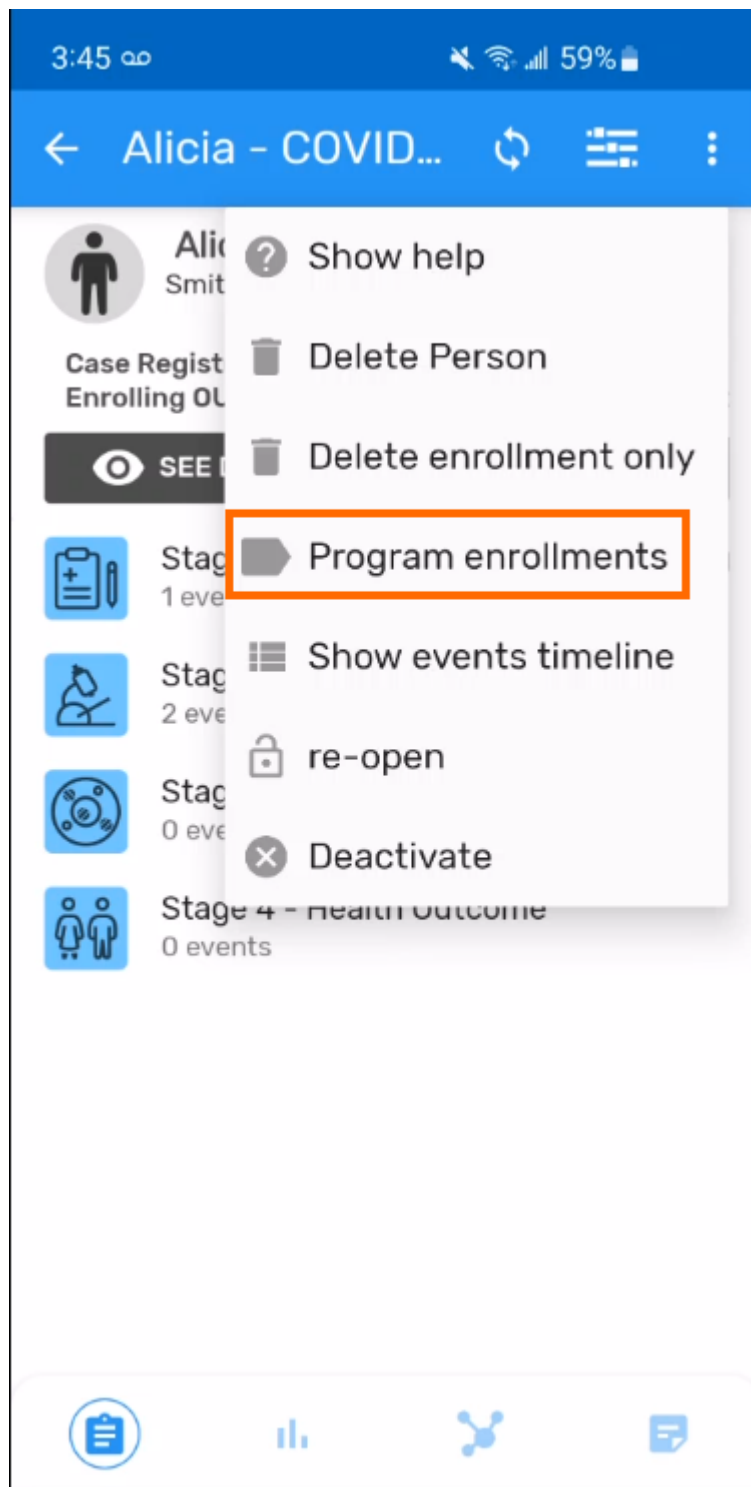
After you have completed the enrollment, the status on the dashboard will change to completed.



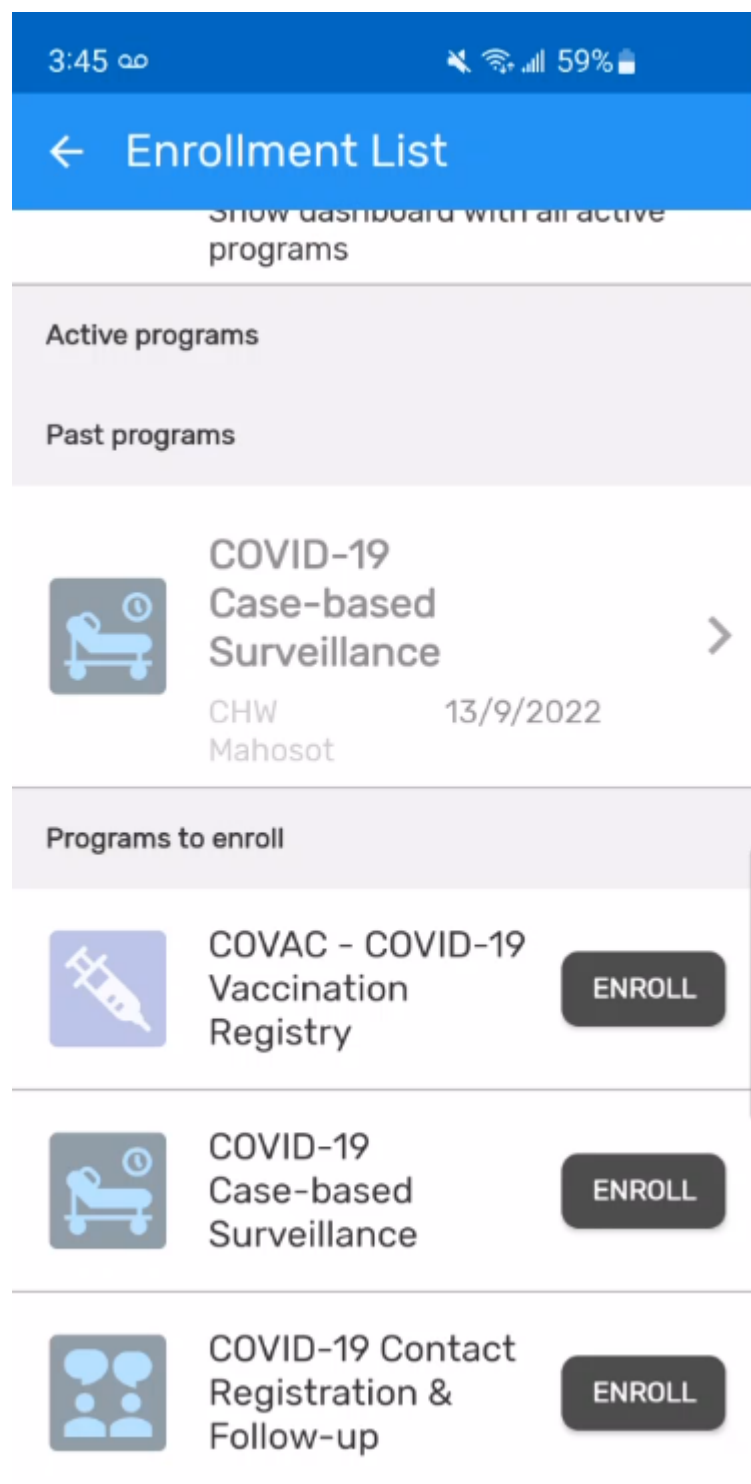
Exercise 5

Enroll the person in another program

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



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



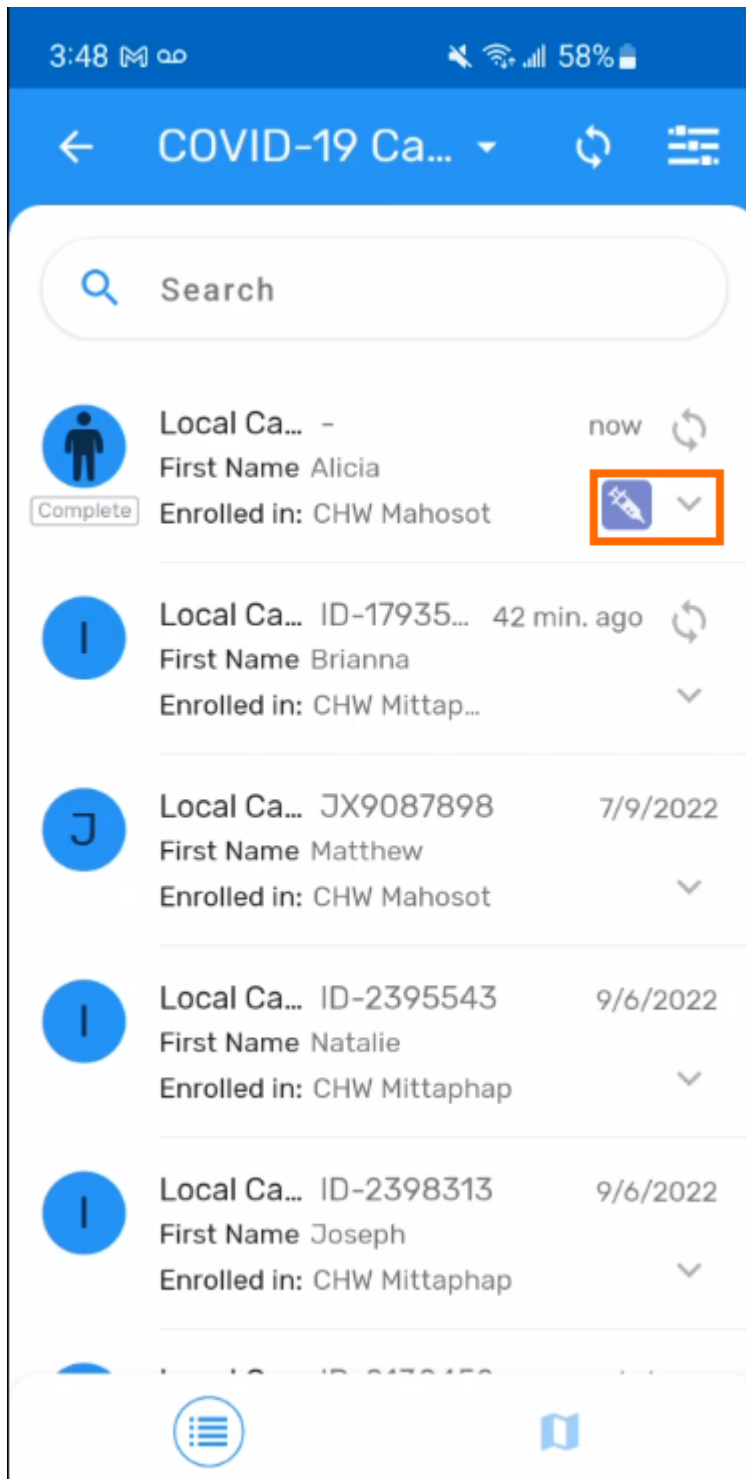
After you select the program to enroll them into, select the date of registration and the organisation unit.

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.

The screenshot shows a mobile application interface for enrolling in the COVAC - COVID-19 Vaccination Registry. The top status bar displays the time 3:46, signal strength, Wi-Fi, and 59% battery. The app header is blue with a back arrow and the title 'Enroll in COVAC - COVID-19 Vaccination Registry'. Below the header, the section is titled '2 Attributes - Person' with a progress indicator '5/11' and an upward arrow. The form contains several text input fields: 'National ID' (placeholder 'Enter text'), 'Unique System Identifier (EPI) *' (placeholder 'Enter text', value 'EPI_33884738'), 'First Name' (placeholder 'Enter text', value 'Alicia'), 'Surname' (placeholder 'Enter text', value 'Smith'), and 'Sex' (placeholder 'Enter text', value 'Female' with a dropdown arrow and a close 'X' icon). At the bottom, there is a radio button for 'Date of birth is estimated' and a blue circular button with a white disk icon for saving the data.

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).

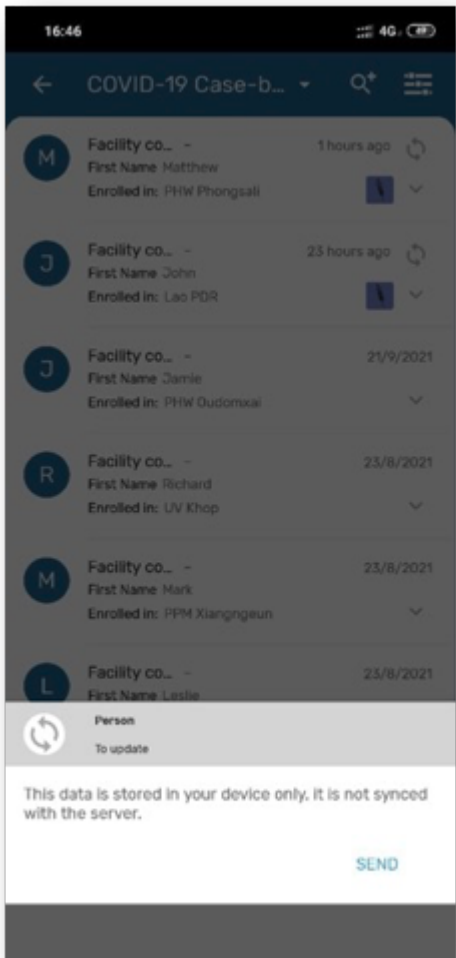


Exercise 6


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:



 **Level 1 - Tracker Use**

[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 Xaisettha
 -  0104 Sisattanak
 -  0105 Naxaythong
 -  0106 Xaithani
 -  0107 Hatxayfong
 -  0108 Sangthong
 -  0109 Pakngum
-  02 Phongsali
-  03 Louangnamtha
-  04 Oudomxai
-  05 Bokeo
-  06 Louangphabang
-  07 Houaphan
-  08 Xainyabouli
-  09 Xiangkhouang
-  10 Vientiane
-  11 Bolikhamxai


COVID-19 Case-based Surveillance  

[Lists](#) [Search](#) [Register](#)

Search for person

System Generated Case



ID





Local Case ID


First Name

Surname

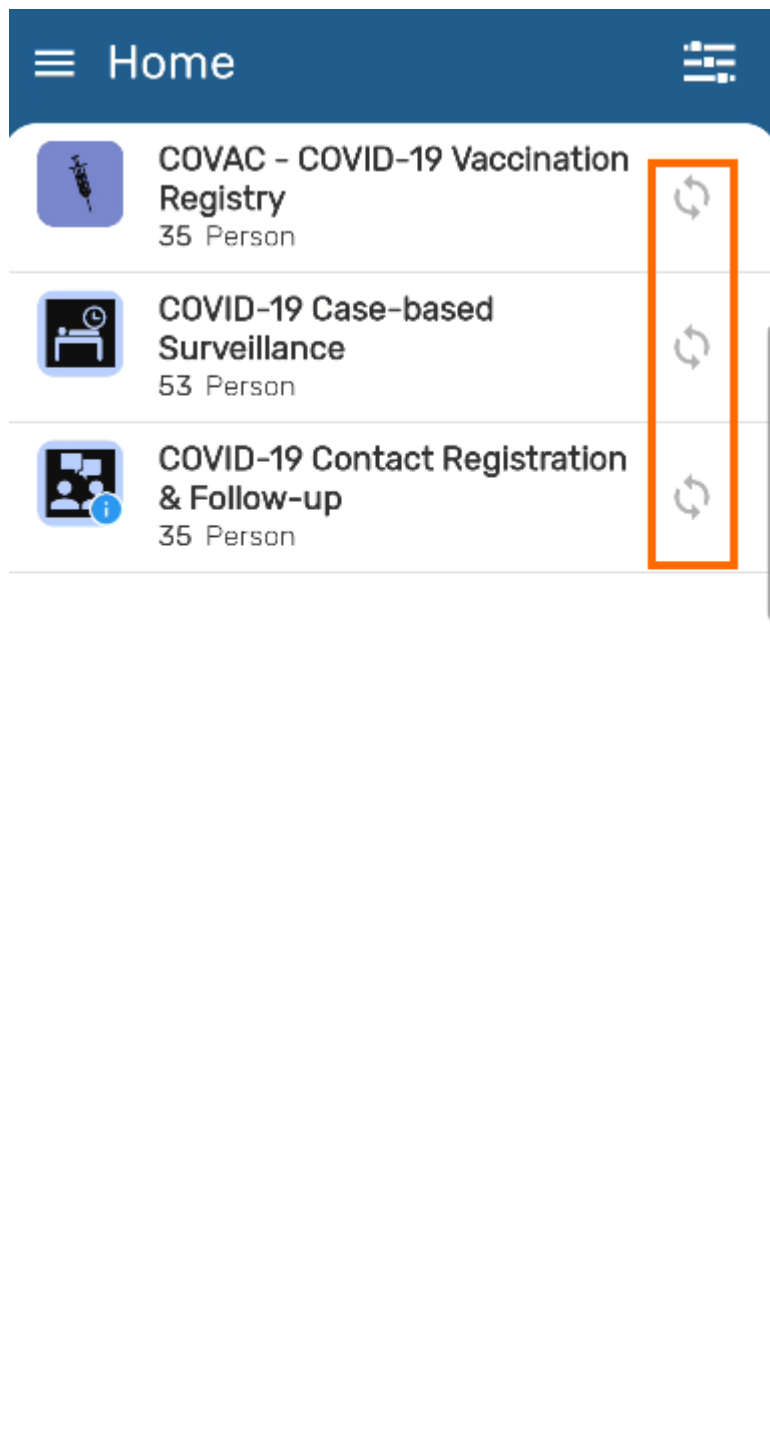
Sex  

Country of Residence 

More options 

Fill in at least 1 attribute to search 

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. Their attributes and events should all be synced online.

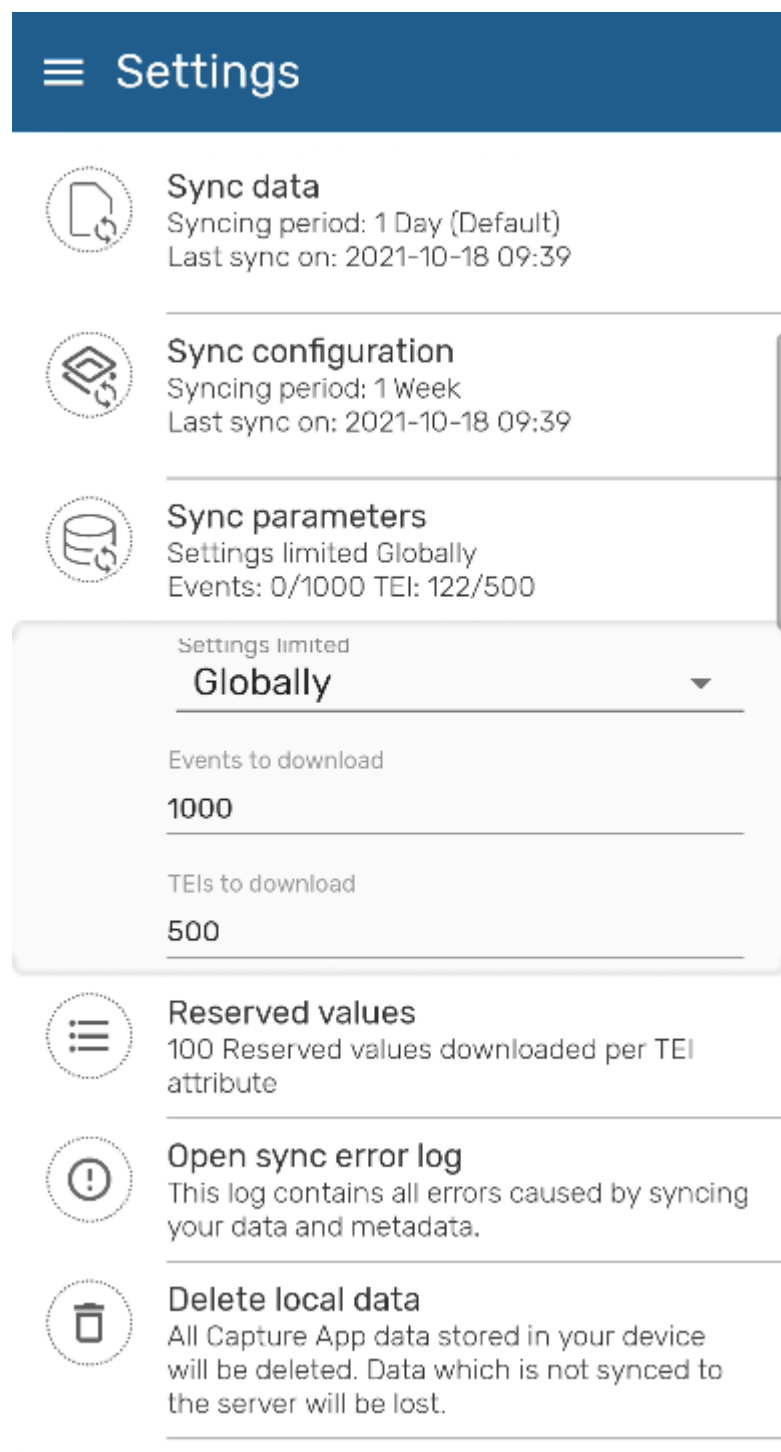
Person search results

Registering unit	Registration date	Inactive	First Name	Surname	Sex	Local Case ID	
CHW Mahosot	2022-09-13	No	Alicia	Smith	Female		Flag possible duplica

Exercise 7

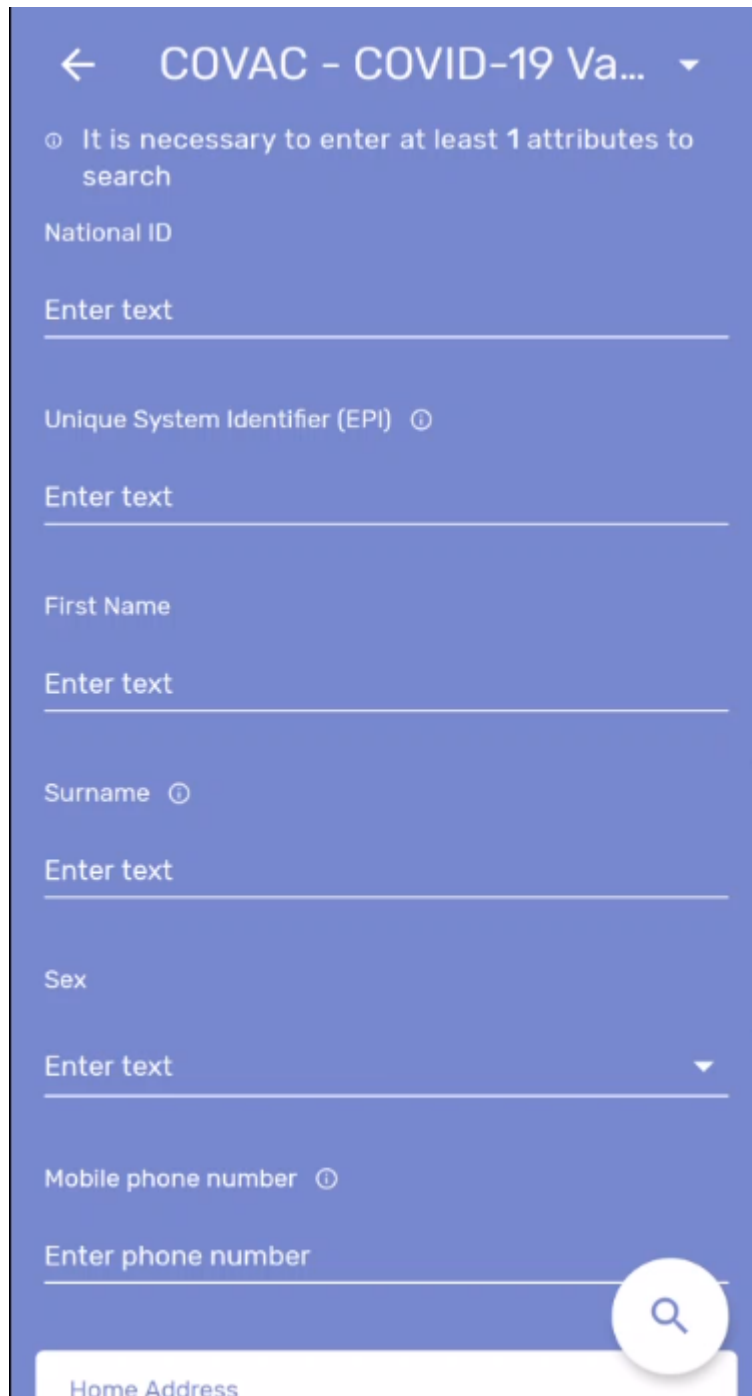
Go offline!

Android allows for storing tracker data offline directly on the device. Records must be synced first or they can not be accessed offline. The number of records that are synced to the device is defined in the settings page of the Android app or globally by your system administrator (if the global option is selected, you will not be able to modify them on the device directly). This is an example if you are able to modify the settings. On your device when you check, you will not be able to modify these settings.



Go to your Android home screen and turn off your wi-fi/mobile data radios.

Go back to the app, select the Vaccination program and search for/register a new person



← 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 ▾

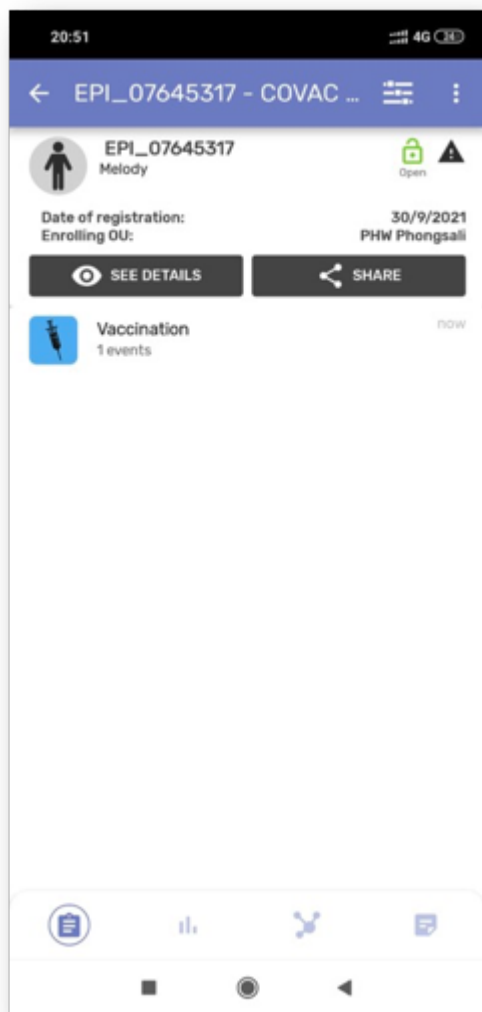
Mobile phone number ⓘ

Enter phone number

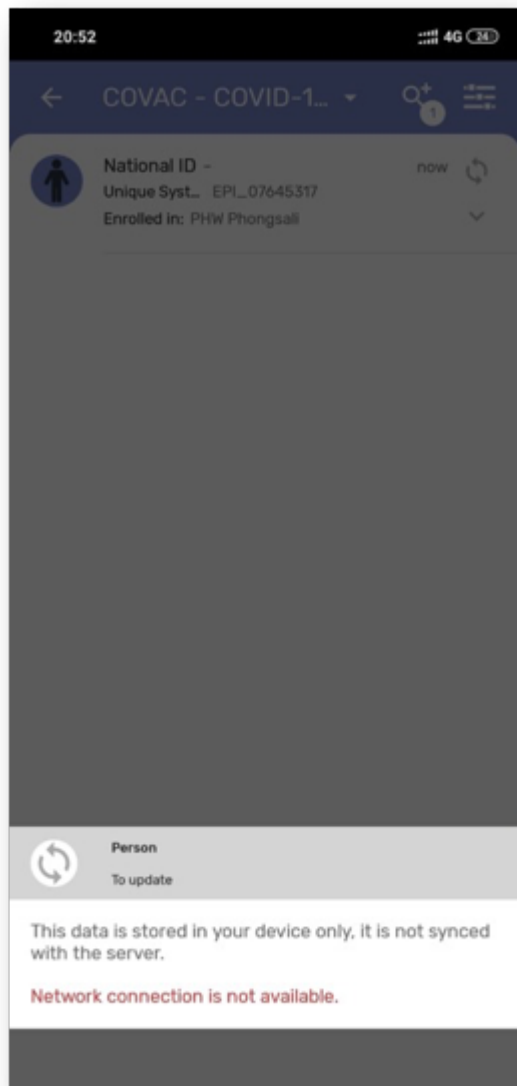
Home Address

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.

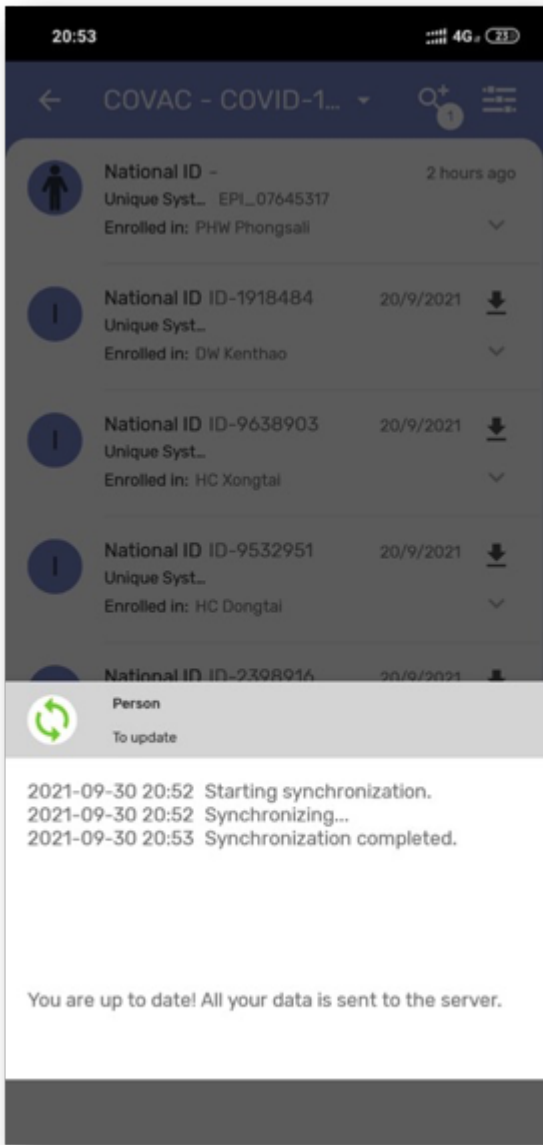


As you have no network connection the data will not sync.



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

