

Learner's Guide for Visual Configuration

What is this guide?

This guide contains all exercises and detailed steps to perform them related to the review of ***Relationships*** for the Android Level 1 academy. Please perform each of the exercises when prompted to by your instructors

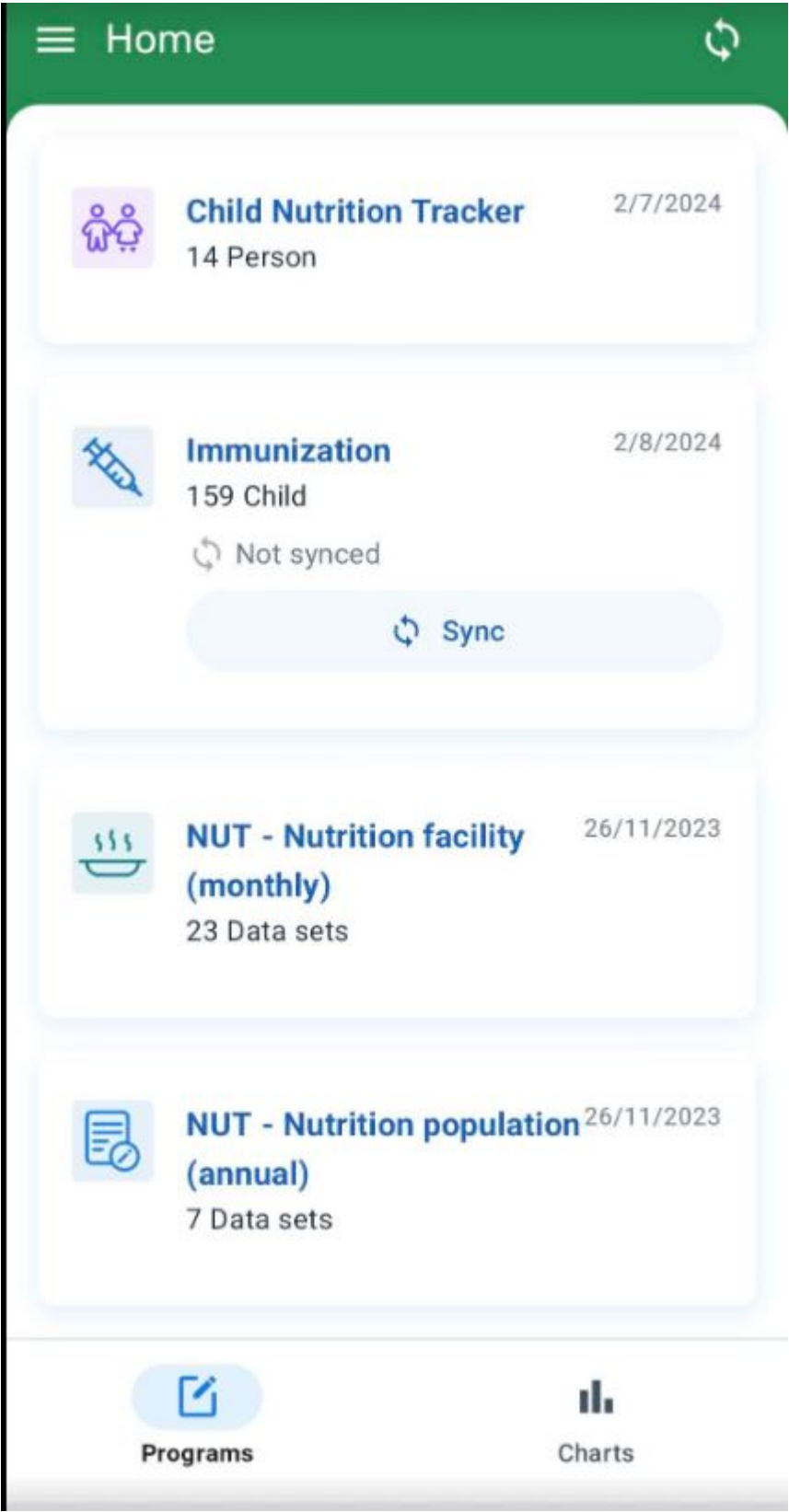
Learning objectives for this session

1. Configure the flag and colour for a DHIS2 instance
2. Demonstrate how to apply colours and icons to data sets and programs
3. Demonstrate how to configure metadata to read QR codes
4. Demonstrate how to configure images

Exercise 1

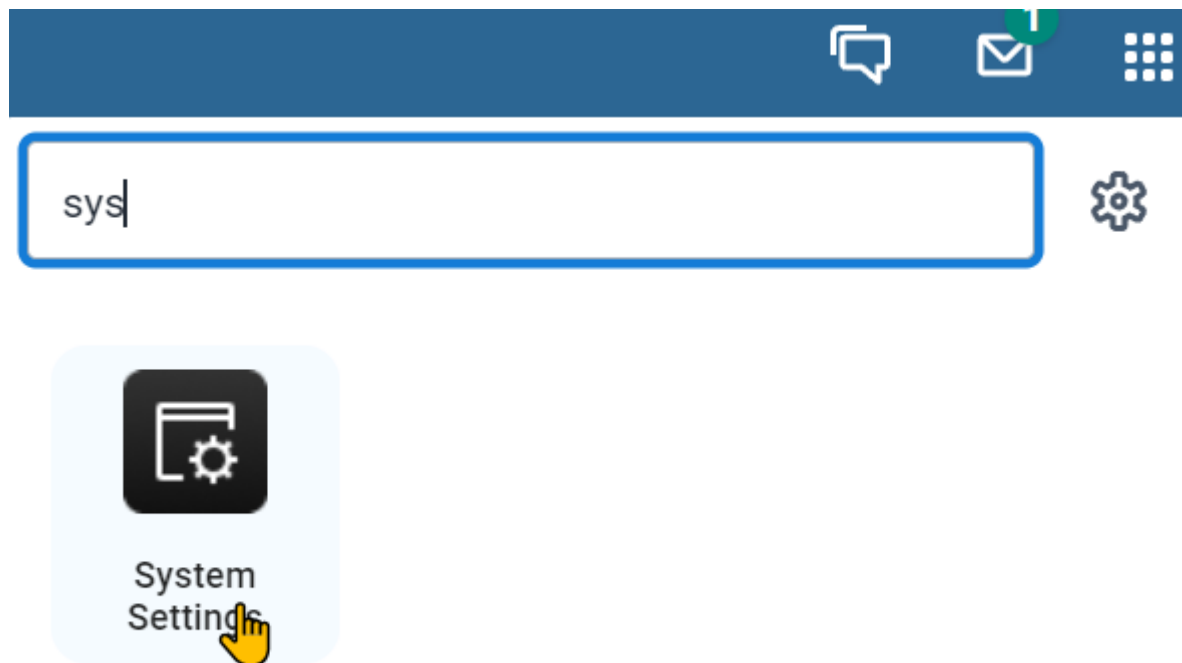
Icons in the Android app

When you first log in, you will see that there are icons and styling applied to android app



System Settings

The color and flag of the app can be set by accessing the system settings



From here, navigate to the appearance tab where you can modify the style and flag of your system.

Style

Light Blue

Start page

Dashboard

☐

Enable light-weight start page

Help page link

https://dhis2.github.io/dhis2-docs/master/en/user/html/dhis2_user_manual_en.html

Flag

Demoland

Interface language

English

If you modify these settings they will be reflected in the android application.

Android Rendering Options

Program Colours

Use the demo program for this review




In order to display various options for program colours, we will edit an existing child in the immunization program.

Select the immunization program.

Note that the colour of this program changes to blue, because the program specific color has been set to blue.

Blue colour for Immunization

11:28




84%

← Immunization ▾

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

Local ID

Enter text 

Child Number

Enter text


First Name

Enter text

Last name

Enter text

Date of Birth

Choose date 

Sex


☐ Male ☐ Female

Village/Domicile

Enter text

Family Address

Enter long text



We can review the QR code reader functionality by trying to search for a child in the immunization program.


The Local ID is set to scan QR codes

Select the QR code button next to the local ID

←

Search

Local ID



+

Child Number

Optional

+

First Name

Optional

+

Last name

Optional

+

Date of Birth

Optional

+

Sex

Optional

+


Village/Domicile

Optional

+

Family Address

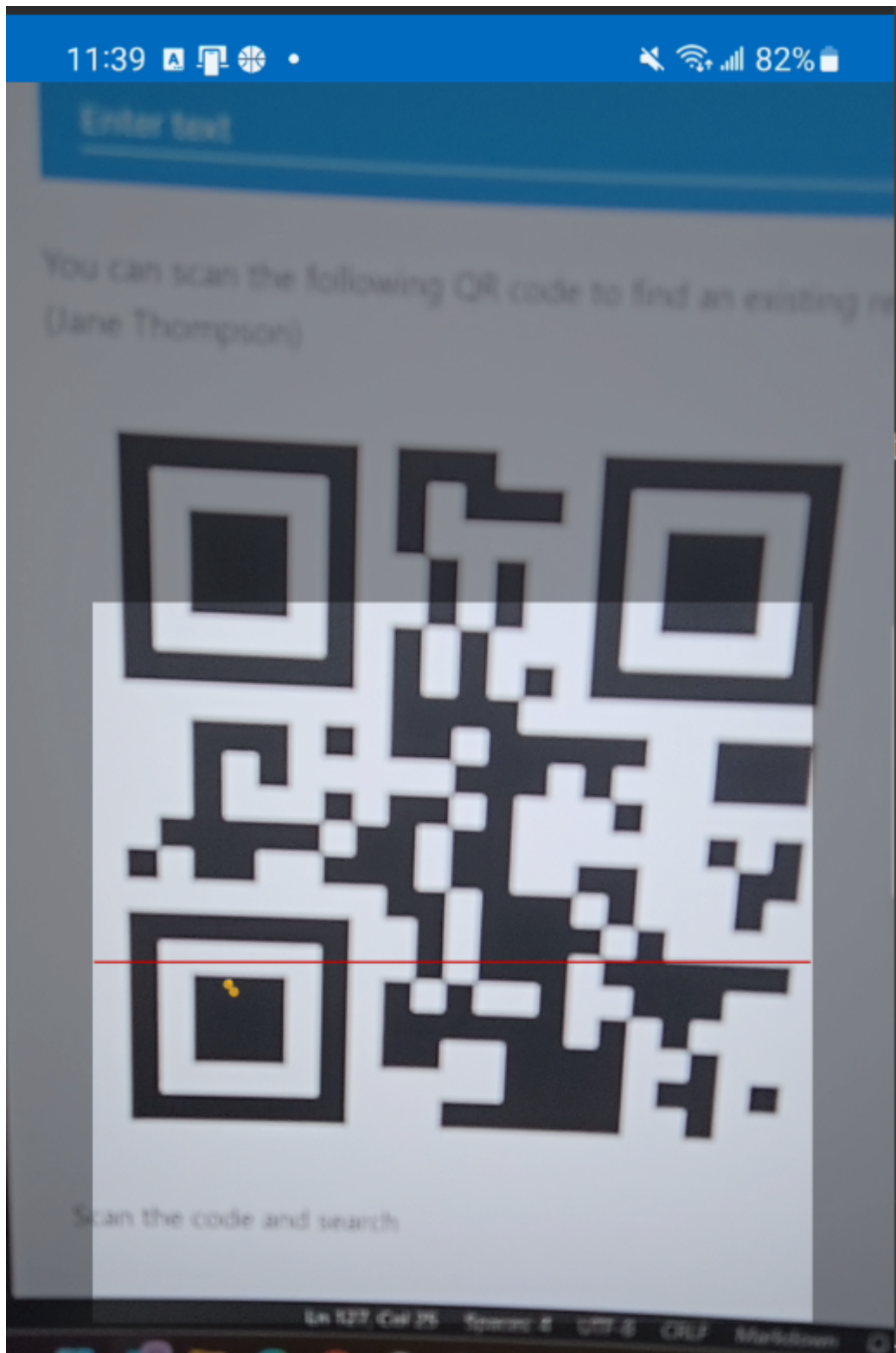
Optional

 Search




You can scan the following QR code to find an existing record (Jane Thompson)





Scan the code, it will populate the LOCAL ID field. You can then search for the person






The results will show their record because you are using a unique ID


  Edit child 

Local ID: AX6789
Child Number: 1024
First Name: Jane
Last name: Thompson
Date first seen: 13/11/2022
Enrolled in: 0001 CH Mahosot
 Show more





 **Birth Details**

13/11/2022
Registered in: 0001 CH Mahosot
 Not completed

 **Immunization** 

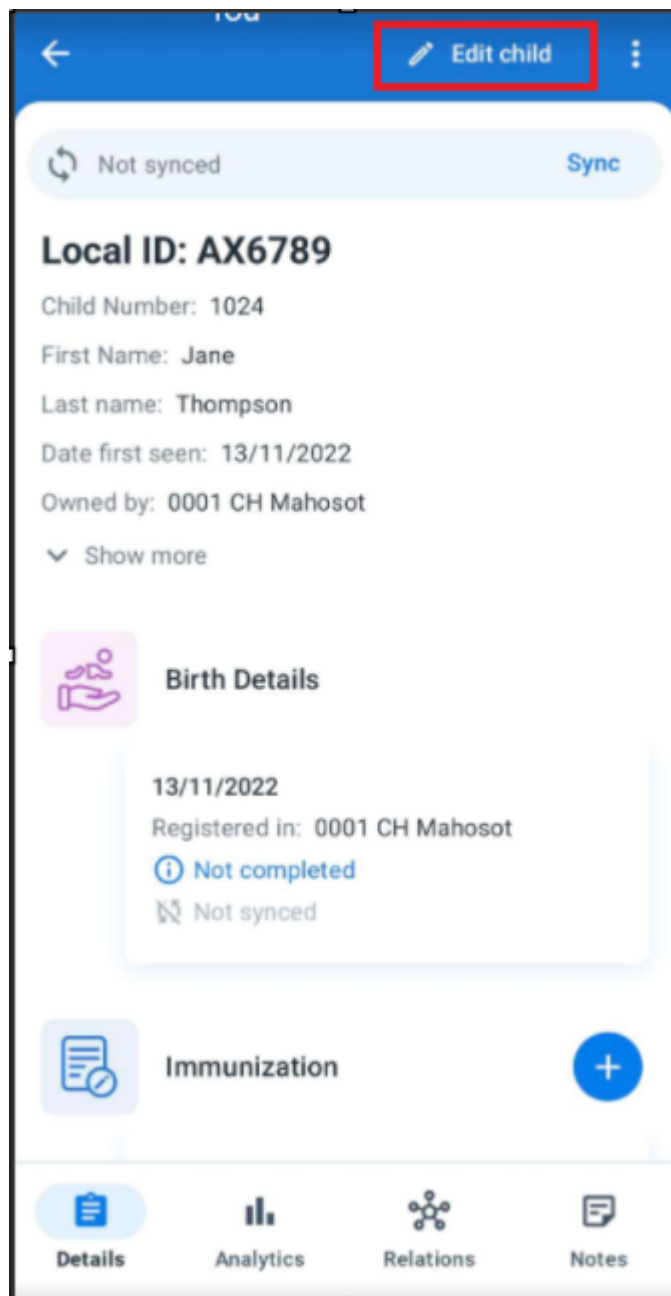
5/2/2023
Registered in: 0001 CH Mahosot
 Not completed

1/1/2023
Registered in: 0001 CH Mahosot

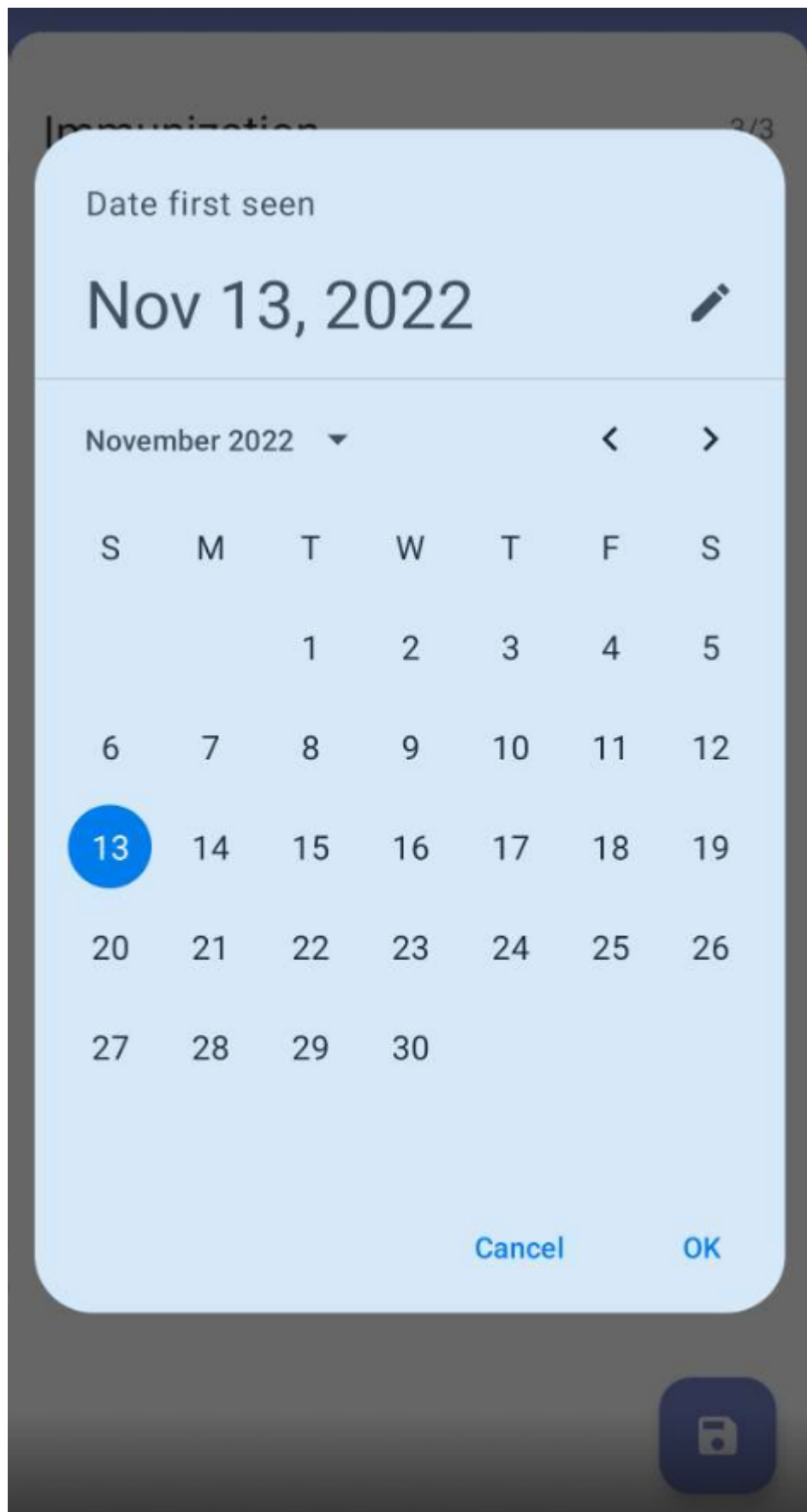
Date Picker

Open the record and edit their details by selecting "Edit Child"



Select the field "date first seen"

Here you can demo the different date pickers by selecting "change calendar view"



Option set rendering

If you select the "Attributes - Child" section you will be able to demonstrate examples of different option set rendering types. In addition to the default setting, you will be able to see examples of both

horizontal radio buttons

← Enrollment

First Name

Jane

Last name

Thompson

Date of Birth *

13/11/2021

Sex

☒ Female

☐ Male

Mother/Caregiver's first name *

Samantha

Mother/Caregiver's last name *

Thompson

Mother's email

Mother/Caregiver's contact number

61356989630

and vertical radio buttons

The screenshot shows a mobile application interface for an 'Enrollment' form. At the top is a blue header bar with a white back arrow and the title 'Enrollment'. Below the header, the form is organized into several light blue sections. The first section is labeled 'Village/Domicile'. The second section is labeled 'Family Address'. The third section is titled 'Attendant at birth' and contains a list of seven roles, each with a checkbox: 'Layperson', 'Midwife' (which is checked), 'Not stated', 'Nurse', 'Nurse/Midwife', 'Other paramedical personnel', and 'Physician'. To the right of the 'Nurse' checkbox is a circular icon containing an 'X'. The fourth section is labeled 'Child Photo' and features a large, light blue button with an upward arrow icon and the text 'Add Image'. At the bottom right of the form, there is a blue square button with a white floppy disk icon, representing a 'Save' function.

← Enrollment

Village/Domicile

Family Address

Attendant at birth

☐ Layperson

☒ Midwife

☐ Not stated

☐ Nurse

☐ Nurse/Midwife

☐ Other paramedical personnel

☐ Physician

Child Photo

↑ Add Image

Save

Images

If you can continue scrolling, you will see a placeholder in which you can add an image.

You can proceed to add an image (a good idea is to download some type of randomized icon or image to use rather than show your own photos from your phone) and display the signature fields.

Village/Domicile

Family Address

Attendant at birth

☐ Layperson

☒ Midwife

☐ Not stated

☐ Nurse

☐ Nurse/Midwife

☐ Other paramedical personnel

☐ Physician

Child Photo

[Add Image](#)

STOP - End Exercise 1

Configuration Guidance

Data Sets and Programs Icons and Colours

You are able to configure the icons and colours of data sets and programs within the maintenance app.

For datasets you can do this in dataset maintenance.

Name (*)

NUT - Nutrition facility (monthly)

Short name (*)

Nutrition facility (monthly)

Code

NUTR_AGG_FAC_MONTHLY

Color

#00838F

UNSET COLOR

Icon



CHANGE ICON

REMOVE ICON

You will need to use your dataset account to access datasets in maintenance

For programs you can do this within the "Program details" tab of program maintenance

Name (*)

Immunization

Short name (*)

Immunization

Code

Color

#1976D2

UNSET COLOR

Icon



CHANGE ICON

REMOVE ICON

You will need to use YOUR PROGRAM account to view your program in maintenance

QR Codes

In order to configure fields to read QR or bar codes, we have to start with the value type assigned to our TEA or DE.

TEAs or DEs must be set the the value type of "TEXT" or you will not be able to assign them a render type of QR or Bar code in your program

← Tracked entity attribute ?

Name (*)

Local ID

Short name (*)

Local ID

Form name

Code

Description

Field mask

Option set

Value type (*)

Text

If you check the Local ID TEA value type it will be set to text.

Next, we have to navigate to ***your tracker program*** in maintenance. The example we are using is a TEA, so select the Immunization program assigned to you and navigate to the "Attributes" section of the program. Here we can see the list of attributes assigned to the along with the render type for both mobile and desktop.

← Tracker Program ⓘ

Immunization

1 Program details

2 Enrollment details

3 Attributes

4 Program stages

5 Access

6 Notification

1 Assign attributes

Program tracked entity attributes

Search available/selected program tracked entity attributes

Birth weight (in kg)

GEN - Date of birth

GEN - Date of birth is estimated

GEN - Family name

GEN - First Name

GEN - Patient type

GEN - Sex

NUTR - Affiliation type

NUTR - CVA beneficiary

NUTR - Current district

NUTR - Date of birth (caregiver)

Local ID

Child Number

First Name

Last name

Date of Birth

Sex

Mother/Caregiver's first name

Mother/Caregiver's last name

Mother/Caregiver's contact number

Village/Domicile

Family Address

→

←

↑

↓

ASSIGN ALL 27 →

← REMOVE ALL 14

Name	Display in list	Mandatory	Date in future	Searchable	Mobile render type	Desktop render type
Local ID	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input checked="" type="checkbox"/>	Qr code	Default
Child Number	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	Default	Default


Local ID is the first field and you can see the rendering type is set to Qr code. You can select the dropdown to see other options that are available here. These options apply to any data value that is text.

If you wanted to do this for a data element, you can do this within the "Assign data elements" section within a program stage.

Option Sets

There are two tracked entity attributes that also have option sets, Sex and Attendant at birth.

These two TEAs with option sets have been set to render within this screen as well.

Sex	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<div><div>Default</div><div>Dropdown </div><div>Vertical radiobuttons</div><div>Horizontal radiobuttons</div><div>Vertical checkboxes</div><div>Horizontal checkboxes</div><div>Shared header radiobuttons</div><div>Icons as buttons</div><div>Spinner</div><div>Icon</div></div>
Mother/Caregiver'...	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Mother/Caregiver'...	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Mother/Caregiver'...	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Village/Domicile	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Family Address	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Attendant at birth	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vertic... <div></div> Default <div></div>
Picture	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Default <div></div> Default <div></div>
Parent Signature	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Canvas <div></div> Default <div></div>

There are a number of options here. When selected from this screen, or for a data element within a program stage, they will render accordingly on the android device.

The default setting for an option set is a dropdown list.

Images

You can set pictures via the TEA or DE value type.

←

Tracked entity attribute

?

Name (*)

Picture

Short name (*)

Picture

Form name

Child Photo

Code

code

Description

Field mask

Option set

Value type (*)

Image

Aggregation type (*)

None

This will allow you to upload images via either android or web.