

User Guide to the Supervision App - Web Version

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Introduction

It's well known that data quality and data use are closely linked. To improve data use, we must also strive to improve data quality, and vice versa. Various tools, including the Routine Data Quality Assessment (RDQA) tool, have been developed and used to assess data accuracy and the functioning of the Health Information System (HIS) across its six components. However, the RDQA tool and its use have shown some limitations, namely:

- The **RDQA tool is Excel-based**, and the results of supervision visits stay on people's computers without being shared. As a result, it is **difficult to get an overview of the problems encountered in the field during supervision** visits across the country;
- Difficulties in monitoring the implementation of recommendations made during supervision visits;
- Archiving of Excel files
- **Lack of transparency in the selection of health facilities and districts to be visited.** This has led to a situation where health facilities located along good roads or in towns with decent infrastructure are the most visited.

In response to this problem, a number of institutions have developed digital solutions:

- Since 2019, HISPWCA has started implementing a digital tool to facilitate supervision and also the archiving of historical data from these supervisions. This digitalization is based on WHO's RDQA tool. After the development of the first version of the tool, it has been used in Mali.
- Since 2021, MEASURE MALARIA/JSI has been implementing an Android app and a DHIS2 package for the supervision and archiving of mRDQA supervision data. After a test phase in Côte d'Ivoire and Sierra Leone, its use has been initiated in Mali, Guinea and Burkina Faso.

PATH is currently developing a web and mobile application based on the DHIS2 data quality audit file.

Aware of the duplication of efforts by partners in different countries, the Global Fund, USAID and WHO decided to support the implementation of a standardized electronic tool, ready to host other specific supervision tools.

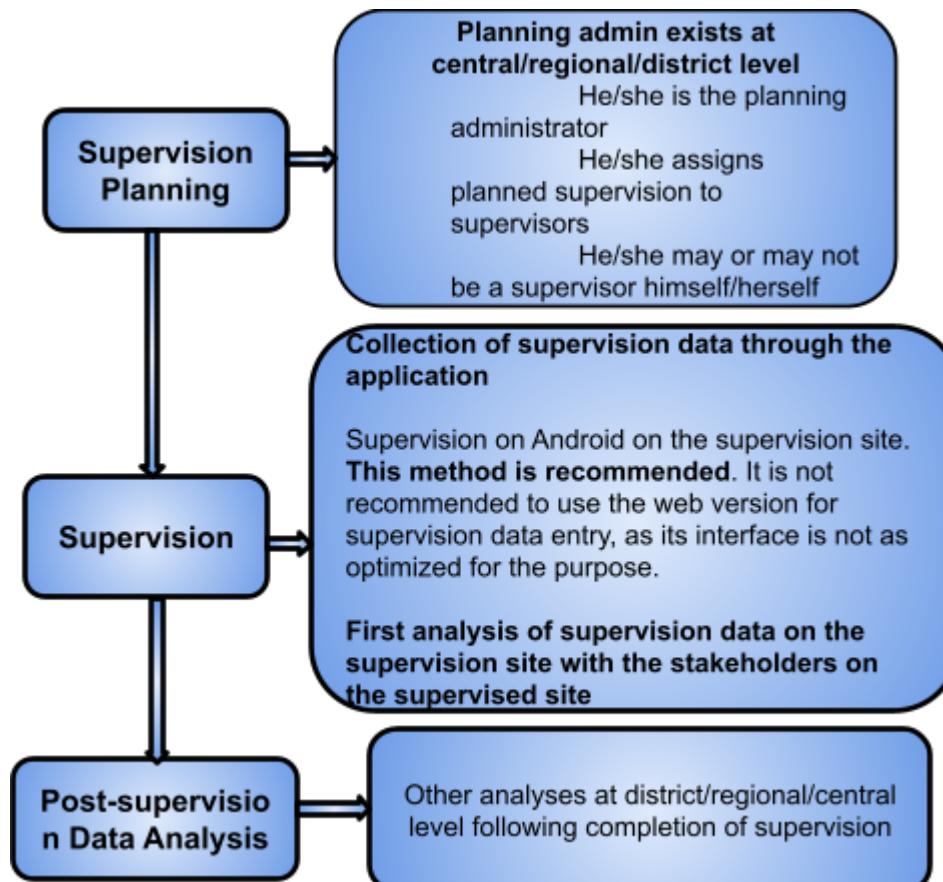
The app currently includes two supervision tools:

1. **eRDQA** (Routine Data Quality Assessment) and
2. **DQR-RSC** (Data Quality Review Routine Supervision Checklist).

The approach to using the various forms in the application remains the same, from planning to performing supervision in the field.

The screenshots used in this guide are based on the web version of **DQR-RSC**. The Android version is covered in a separate guide.

Supervision Workflow Overview

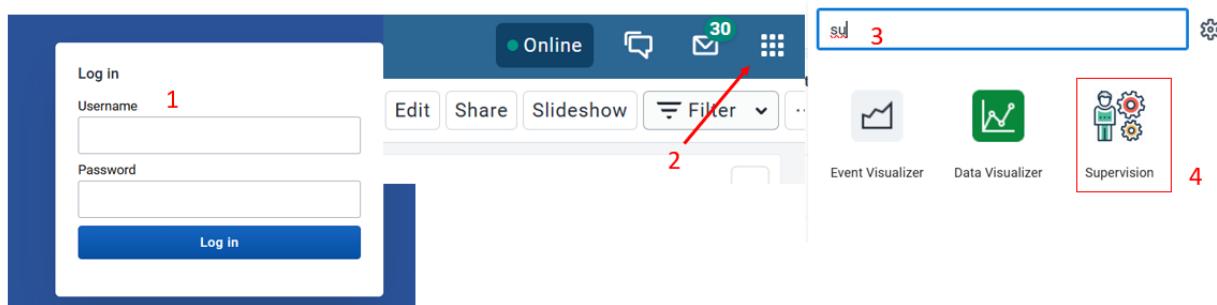


Step by Step Instructions to Use the Supervision App

Access to the App

To access the App, proceed as follows:

1. Log in to DHIS2 with your user account and password
2. Click on the "Search box"
3. Enter Sup or Supervisor in the Search box
4. Click on the app icon to access the app.



Note When you open the application, you will land on the **Main Page**, where all dashboards are displayed. To begin configuring or using the app, click on the "**Settings**" module located on the left-side panel

Settings

Supervision Settings

When you click the **Settings** tab, four sub-tabs appear. The first one (selected by default) is **Supervision Settings**.

This tab contains two main configuration areas:

1. Tracker Program Selection: Allows you to select the Tracker Program used to configure the supervision form. By default, it uses **Generate Supervisions as Events**.
2. Tracker Program Configuration List: Displays all Tracker Programs that have already been configured for supervision.

The screenshot shows the 'Configuration Settings' page. The left sidebar has a 'Settings' tab selected. The main content area is titled 'Type of supervision' and contains a list of tracker programs. A search bar at the top right of the list is labeled 'Tracker programs'.

Supervision settings	Tracker program choice, Supervision Type, Subject type to supervise
Indicators Mapping/Management	AFI - Acute Febrile Illness
Registers Management	Adverse events following immunization (AEFI)
Cross Check Management	Anti-Tuberculosis Drug Resistance Survey (DRS)
Data Elements Management	Case Based Surveillance
Source Documents Management	Cause of death (registration)
Visualizations & Maps	DQR - RSC
	ENTO-IRS-REM - Residual Efficacy Monitoring
	Electronic Immunization Registry

- Selecting the tracker program under supervision settings
 - Select the tracker
 - Select the type on what basis - **Organisation units** (supervision of activities carried out in facilities) or **Agent** (supervision of workers in the facilities. Its Greyed out as its not active)
 - Select the Configuration type. Select Configuration type Normal Supervision Program (if not DQR - RSC)

Configuration Settings

Type of supervision

1 Supervision settings

- Indicators Mapping/Management
- Registers Management
- Cross Check Management
- Data Elements Management
- Source Documents Management
- Visualizations & Maps

2 Tracker program choice, Supervision Type, Subject type to supervise

Tracker programs

DQR - RSC

3 Generate supervisions as Events

Do you want to schedule the supervision based on Organisation Units or Agents?

Organisation Unit **3**

Agent

4 Configuration type New RDQA (DQR - RSC)

Configuration type Normal Supervision Program

- Configuring Supervisor & Supervision Status

To start with this we need to specify the following:

- Program stage
- Supervisor
- Supervision status

Fill in the program stage, supervisor and supervision status fields:

Fields supervisor name and supervision status configuration

Configure for each program stage , the organisatiion unit group , the supervisor fields and supervision status. This configuration will help the application to know in which fields they can take or write informations

Program stage

DQR-RSC

Supervisor Fields

DQR_ Supervision team I...

Supervision Status

DQR_ Supervision status

- Other fields:

Other fields

Click here to expand the fields

This part of the configuration is useful for RDQA-type configurations, where a number of neutral data elements will be replaced by more meaningful names at the time of supervision, or to define how many times an object should be collected. This means telling the app which tracker fields correspond to what:

1. **Supervision attribute autogenerated ID:** specifies which program attribute corresponds to the supervision ID.
2. **How many indicators:** specifies the data element used to indicate the number of indicators that need to be checked on the site.
3. **How many source documents ?:** specifies the data element used to indicate the number of source documents that need to be checked on site.That determines how many data elements need to be checked on the site.
4. **Most recent verification period:** specifies the data element used to indicate the most recent date of the verification periods
5. **Indicator period type:** specifies the data element used to indicate the indicator period type.
6. **Time consistency period type:** specifies the data element used to indicate the time consistency period type.
7. **Register name:** specifies the data element used to indicate the name of the register to be used for checking data elements.
8. **Register keyword:** identifies the keyword to be replaced with the name of the register in the completeness section of the data elements. This keyword will generally be "registre" and/or "register" depending on whether you are using French and/or English. If you are using another language, please

use the most appropriate term. If you have written this keyword in different ways in your tracker program, please fill in all possible variations, case-sensitive.

9. **Global program area:** specifies the type of indicator linked to a specific program (area) to be monitored. The default domains are: SNIS, Malaria, HIV, TB, Vaccination, Maternal health. However, other areas can be added if required. This field is therefore used to indicate the data element that specifies the area to be supervised when the activity is scheduled.
10. **Program keyword:** identifies the keyword to be replaced by the program name, particularly in cross-checking sections. This keyword will generally be "programme" and/or "program" depending on whether you use English and/or French. If you use another language, please use the most appropriate term. IF you have written this keyword in different ways in your tracker program, please fill in all possible variations, case-sensitive.
11. **Number of periods in DHIS2:** specifies the number of periods for which you wish to automatically retrieve data already entered in DHIS2 for checking purposes. If you select 3 and it is April 2024, the app will automatically fill in the corresponding fields for each indicator with the values for March, February and January 2024.
12. **Period - 1 keywords (as for Period - n keywords):** indicates to the app the keywords it will use to write the true period of the historical data to be retrieved from DHIS2. This option is useful when you want to retrieve values already entered in DHIS2 for checking or comparison purposes. For example, in the generic tracker, the name "*Indicator 1 - DHIS2 monthly value Period-1*" should be replaced by "**ANC1 - Jan 2024 value**". The "**Period -1**" keyword is used to replace Period -1 with Jan 2024 if it's February 2024. The indicator 1 part is also replaced by the real name of the indicator chosen at the time of planning the visit, giving "**ANC1 - value of Jan 2024**". Click directly in the field, then click on the "**Enter**" button on the keyboard (Month 1, Quarter 1,Trimester 1). **Period -2 keywords:** Same as period -1 **Period -3 keywords:** Same as period -1
13. **Please select the modules:** Provide the Schedule section with the list of modules to be administered for each supervised facility.

Other fields	
Supervision Attribute auto generate ID	Supervision Attribute auto generate ID
How many indicators ?	How many indicators ?
How many document source ?	How many document source ?
How many data element ?	How many data element ?
The most recent checking period	The most recent checking period
Indicators period type	Indicators period type
Consistency Over time period type	Consistency Over time period type
Register name	Register name
Register key words	
Global program area	Global program area
Key Words Global program area	
Number of DHIS2 periods	Number of DHIS2 periods
Please select Modules	Please select Modules

- Configuration of the elements

The interface below allows you to manually add several additional elements to a type of supervision. These elements enhance the data quality analysis.

1. You can configure the indicator, cross-checking, consistency over time, data element, and source document.
2. Click on the corresponding buttons to add and configure each type of element. The details of each element are presented below.

Different Elements Configuration

+ Add indicator

+ Add Cross Check

+ Add ConsistencyOverTime

+ Add Data Element

+ Add Source document

1. Indicator configuration

- **Indicator 1:** Defines the data element corresponding to indicator 1.
- **Period -1 DHIS2 value:** Defines the data element to be assigned the period -1 value of indicator 1. "Period - 2 DHIS2 value" to "Period - n DHIS2 value" do the same for periods -2 to - n.
- **Indicator keywords:** defines the keyword to be used to replace the generic name indicator 1 with the name of the indicator, e.g. "**Indicator 1 - DHIS2 monthly value Period -1**" -> "**ANC1 - Jan 2024 value**".
- Repeat for each indicator.
- **Margin of error:** selects the data element that will receive the margin of error to be configured for the accuracy of the indicator.

Indicators Configuration DQR-RSC		#
Indicators	Margin of error	
Indicators 1 DQR_ Indicator 1 DHIS2 period value 1 DQR_ Indicator 1 - DHIS2 periodic value (...) DHIS2 period value 2 DQR_ Indicator 1 - DHIS2 periodic value (...) DHIS2 period value 3 DQR_ Indicator 1 - DHIS2 periodic value (...) Indicator Key words 1 Add all indicator Key words by pressing enter keyboard , this informations is used to replace some text on dashboard and android Side Indicator 1 × indicateur 1 × Indicateur 1 × indicator 1 ×	Margin of error 1 DQR_ Acceptable margin of error- accura... ▾	
Indicators 2 DQR_ Indicator 2 DHIS2 period value 1 DQR_ Indicator 2 - DHIS2 periodic value (...) 	Margin of error 2 DQR_ Acceptable margin of error- accura... ▾	

2. Cross-checks configuration

- **Program area:** indicates the type of indicator related to a program specific (area) to supervise.
- **Primary cross-check:** selects the data element from which cross-check 1 information will be collected.
- **Secondary cross-check:** selects the data element for cross-check information 2.
- **Cross-check keywords:** fill in this field with cross-check and corresponding cross-check. After each word is written, click on the "Enter" button on the keyboard. They will then be taken into account in the dashboard and on the Android side
- **Margin of error:** allows you to select the data element that will collect information on the margin of error of cross-checks.
- Repeat the above steps for each cross-check.

Cross checks configuration DQR-RSC	
Cross checks configuration	Margin of error
Cross Check Primary 1 DQR_Cross check Performed - Primary d... ▾ Primary data source key words 1 Primary data source 1 × registre 1 ×	Margin of error DQR_Acceptable margin of error - CC 1&... ▾
Cross Check Secondary 1 DQR_Cross check Performed - Secondar... ▾ Secondary data source key words 1 Secondary data source 1 ×	✖
Cross check Key words (Dashboard) 1 Cross Checks 1 ×	
Cross Check Primary 2 DQR_Cross check Performed - Primary d... ▾	Margin of error DQR_Acceptable margin of error - CC 1&... ▾

3. Consistency over time

- **Program area:** specifies the type of indicator linked to a specific program (area) to be supervised.
- **Time consistency:** specifies the data element used to indicate the name of the indicator to be used for time consistency.
- **Margin of error:** specifies the data element that collects information on the margin of error for consistency over time.

Consistency Over time configuration DQR-RSC		
Indicators	Margin of error	#
Consistency Over Time DQR_ Consistency over time - Indicator	Margin of error DQR_ Consistency over time - MOE	
Consistency over time keywords Consistency_Indicator X		
What is the current period value DQR_ 1. What is the current period value		
Current period keywords current period X		
What was the value of the indicator for the current period one year ago DQR_ 2. What was the value of the indica...		
Current period One year ago keywords current period one year ago X		☒
Period 1		

4. Data elements and source documents

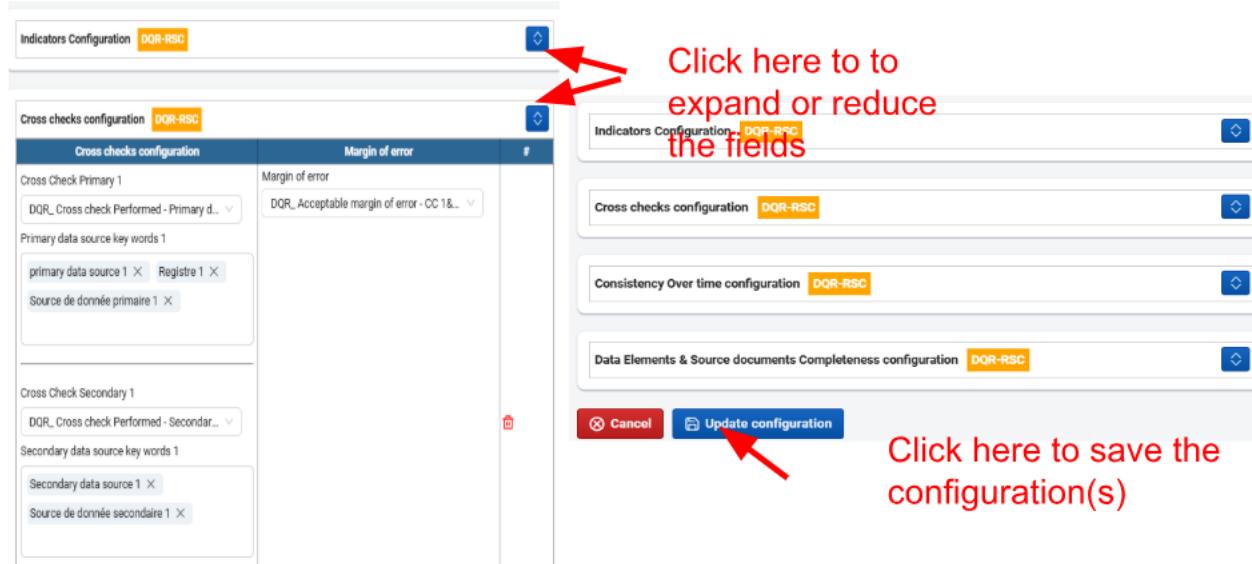
- Data element: specifies the data element that allows you to indicate the name of the data element to be used for checking a register's data elements in terms of fill completeness.
- Keywords: Specifies the generic keyword that will correspond to the actual name of the data element in the app.

Data Elements & Source documents Completeness configuration		DQR-RSC	◊
Data Element Completeness	Source Document Completeness	Margin of error	
Data Element Completeness 1 DQR_Data element com... ▾	Source Document Completeness 1 DQR_Source document ... ▾	Margin of error	DQR_Acceptable margin... ▾
Key words 1 Data element 1 ×	Key words 1 Source document 1 ×		
Data Element Completeness 2 DQR_Data element com... ▾	Source Document Completeness 2 DQR_Source document ... ▾		
Key words 2 Data element 2 ×	Key words 2 Source document 2 ×		
Data Element Completeness 3 DQR_Data element com... ▾	Source Document Completeness 3 DQR_Source document ... ▾		
Key words 3 Data element 3 ×	Key words 3		

5. Source documents:

- Source document: specifies the data element used to indicate the name of the source document to be assessed.
- Keywords: specifies the generic keyword that corresponds to the actual name of the document in the app. Example “source document 1”.

6. Margin of error:



About other tracker programs, the module selection list is added as follows :

The screenshot shows a configuration interface for 'List of program stage configurations' under 'GRILLE HQV/CHUT/ESPC'. On the left, there's a dropdown menu labeled 'Supervision Attribute auto generate ID' with the placeholder 'Please select Modules'. A red circle highlights this field. A red arrow points from this field to a list of available modules on the right, which includes 'G_CHR Module 1: DESTION ADMINISTRATI...', 'G_CHR Module 2: HYGIENE DANS LES HOP...', 'G_CHR Module 3.1: SERVICE MEDICO-TECH...', 'G_CHR Module 3.2: SERVICE MEDICO-TECH...', and 'G_CHR Module 3.3: SERVICE SANTE OCUL...'.

Once you have finished, click on the **Update Configuration** button.



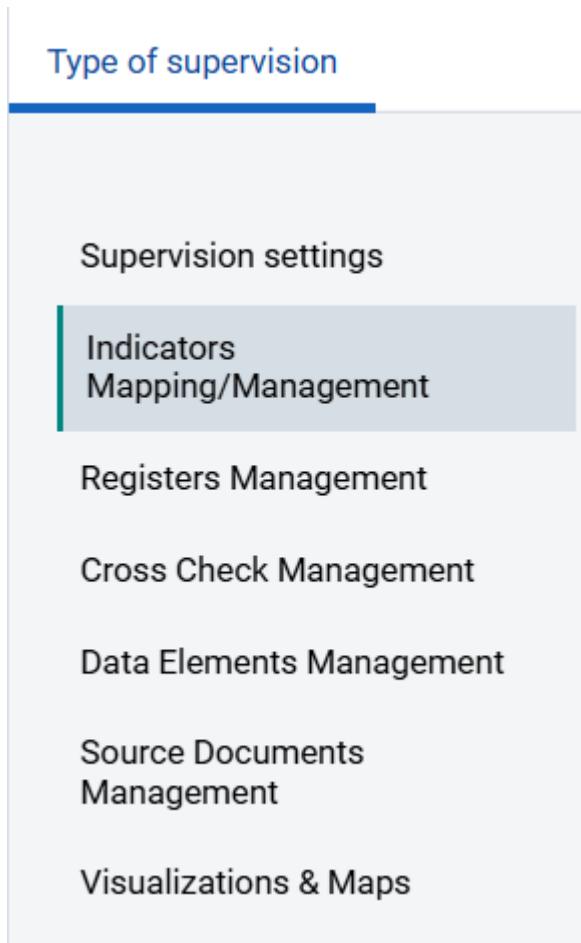
Mapping/Indicator management

Mapping of indicators

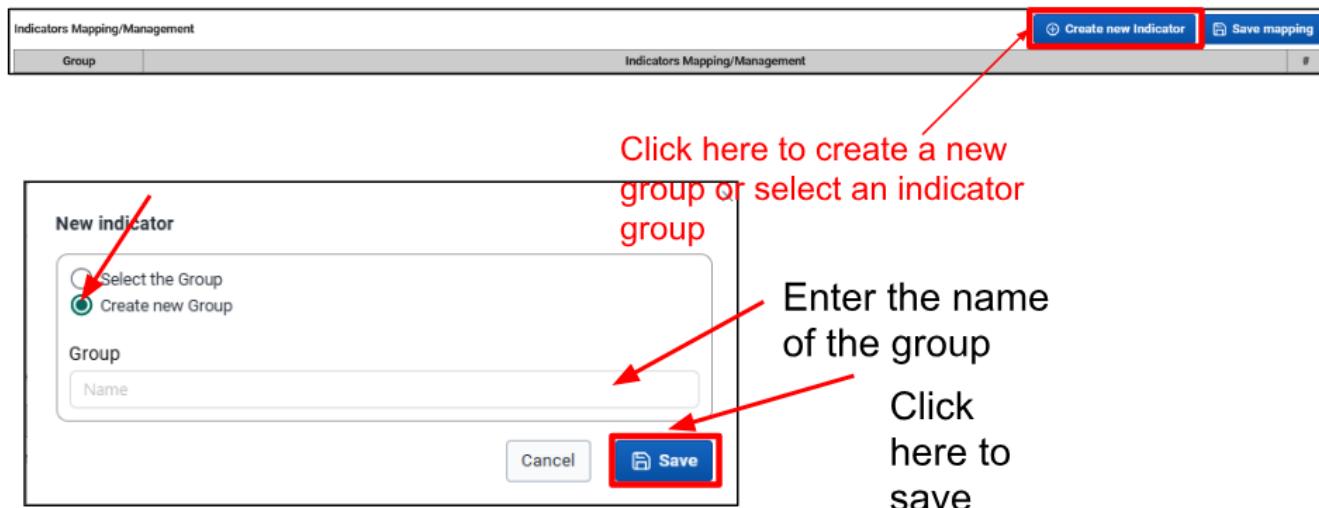
In this section, the administrator can configure indicators by program, i.e. SNIS, Maternal Health, Immunization, HIV AIDS, TB, Malaria. These pre-configured programs are linked to the corresponding DHIS2 metadata content. However, the user has the option of adding other programs and indicators.

To configure or match an indicator proposed in the checklist with a DHIS2 indicator, you need to:

1. Select the indicator mapping sub-menu in the “**Settings**” menu.



When you select this menu, the following will appear: click on “Create new indicator” and continue the process by first creating the program group (e.g., HIV, TB, etc.)



- If there is an existing group already configured, proceed as follows:

New indicator

Select the Group
 Create new Group

Group

SNIS

Santé maternelle
Vaccination
VIH
TB
In
Nutrition
Paludisme

Click here to select the existing indicator group

- If the group does not exist and we want to create it, proceed as follows:

Select the Group
 Create new Group

Group

ANC

Indicator

ANC- 4+ visits

Is Stock ?
 Doesn't exist in DHIS2 ?

Indicators

Group	Indicators
ANC	ANC- 4+ visits

Cancel **Save**

The image above shows how to add an indicator by creating a new group. Follow the steps below:

- Select the "Create a new group" option. Check this option so you can set a custom group name for your indicators
- Enter the group name. In the **Group** field, enter the name of the group you want to add your indicators to. Example: ANC.
- Enter the indicator name. In the **Indicator** field, enter the name of the indicator you want to add
- Click the "Add" button. After entering the indicator name, click + Add. The indicator will appear in the table below under the corresponding column.

5. Save the group and indicators. To add more indicators to the program, simply repeat the same step until you complete the desired list. Once all the indicators have been added, click on the **Save** button to validate and save the data.

Here is an example of the HMIS program group in the image below:

Indicators Mapping/Management		
Group	Indicators Mapping/Management	
2	Outpatient visits GEN - All-cause outpatients	<input checked="" type="checkbox"/> Use DHIS2 name or custom name <input type="checkbox"/> Use DHIS2 name or custom name Indicator name
	ANC 1st Visit RMNCAH - ANC 1st visit	<input checked="" type="checkbox"/> Use DHIS2 name or custom name <input type="checkbox"/> Use DHIS2 name or custom name Indicator name
	ANC 4th Visit RMNCAH - ANC 4th visit	<input type="checkbox"/> Use DHIS2 name or custom name <input checked="" type="checkbox"/> Use DHIS2 name or custom name Indicator name
	DTP1 EPI - DPT-HepB-HIB 1 doses give	<input checked="" type="checkbox"/> Use DHIS2 name or custom name <input type="checkbox"/> Use DHIS2 name or custom name Indicator name
	DTP3 EPI - DPT-HepB-HIB 3 doses give	<input checked="" type="checkbox"/> Use DHIS2 name or custom name <input type="checkbox"/> Use DHIS2 name or custom name Indicator name
	Institutional deliveries RMNCAH - Delivery in facility by	<input checked="" type="checkbox"/> Use DHIS2 name or custom name <input type="checkbox"/> Use DHIS2 name or custom name Indicator name
	Live births RMNCAH - Live births in facility	<input checked="" type="checkbox"/> Use DHIS2 name or custom name <input type="checkbox"/> Use DHIS2 name or custom name Live births in facility
	Postnatal consultations	<input type="checkbox"/> Use DHIS2 name or custom name <input checked="" type="checkbox"/> Use DHIS2 name or custom name Indicator name
	Family planning 1st time users RMNCAH - FP Contraception firs	<input checked="" type="checkbox"/> Use DHIS2 name or custom name <input type="checkbox"/> Use DHIS2 name or custom name RMNCAH - FP Contraception first time userp
HMIS	Stock DPT-HepB-HIB Opening (Stock DPT-HepB-HIB)	<input type="checkbox"/> Use DHIS2 name or custom name <input checked="" type="checkbox"/> Use DHIS2 name or custom name Indicator name
	Distributed (Stock DPT-HepB-HIB)	<input type="checkbox"/> Use DHIS2 name or custom name <input checked="" type="checkbox"/> Use DHIS2 name or custom name Indicator name
	Quantity received (Stock DPT-HepB-HIB)	<input type="checkbox"/> Use DHIS2 name or custom name <input checked="" type="checkbox"/> Use DHIS2 name or custom name Indicator name
	End (Stock DPT-HepB-HIB en stock)	<input type="checkbox"/> Use DHIS2 name or custom name <input checked="" type="checkbox"/> Use DHIS2 name or custom name Indicator name

[Click here to edit an indicator](#)

Marker 1 on the following image allows you to select the data element or indicator in dhis2. The selection of the data element or indicator on the left is immediately reflected in the field on the right. To complete the mapping, click on the radio button.

Postnatal consultations	EPI - BCG received	<input type="checkbox"/> use name from DHIS2 Indicator name
Postnatal consultations	EPI - BCG received	<input checked="" type="checkbox"/> use name from DHIS2 EPI - BCG received

Select the corresponding data element or indicator in DHIS2

Data source

Search by data item name

Data Type

All types

- BN ANC4 excluding outliers
- live birth estimated DA
- "NUT-Liveborn babies delivered in a facility and in the home/community with birthweight documented in the reporting system with value <2500g (%)"
- 00 Unclassified
- 00 Unclassified of all deaths (%)
- 001 Test
- 01 Certain infectious and parasitic diseases
- 01 Certain infectious and parasitic diseases of all deaths (%)

Selected Items

- RMNCAH - Live births in facility

Save

To do this,

- Search for the desired indicator or data element and select it (marker 2).
- For (marker 3), select the dataset in which the data element is located. This will tell the app how often to retrieve data from DHIS2.
- If the data set is monthly, then the periods that the app will consider will be months.
- If an indicator is configured, then the app will select a dataset from among the datasets containing the data elements that form the indicator.

Modifying the program or indicators in an existing program (indicator type):

HMIS

1. Click here to edit an indicator

New indicator

Select the Group 2

Create new Group

Group

HMIS

Maternal_Health

Immunization

HIV_AIDS

TB

Malaria

Type indicateur 1

MTN-CP

If necessary, modify the indicator as proposed in your Excel copy to match what's in DHIS2. To do this, proceed as follows:

1. Click on the edit icon
2. Select the group
3. Choose the relevant program in the dropdown menu.

Once you have finished the mapping, click on "Save the mapping" at the top right.

New indicator

Select the Group
 Create new Group

Group

HMIS

Indicator

Name **+ Add**

Is Stock ?
 Doesn't exist in DHIS2 ?

Group	Indicators
	Outpatient visits Edit Delete
	ANC 1st Visit Edit Delete
	ANC 4th Visit Edit Delete

Cancel
Delete all
Save

Register management

The app allows you to configure, for the various programs being monitored, the information verification registers during supervision.

In this section, the administrator can configure **the registers** by program, namely SNIS, Maternal Health, Immunization, HIV/AIDS, TB, and Malaria. However, the user can add other registers.

To create or match a register proposed in the checklist, you must:

1. Select the "Register Management" submenu in the "**Settings**" menu.

When you click on this menu, here's what appears:

1. Click on **+ Add** to continue the configuration process.
2. Choose the program group (e.g., HIV, TB, etc.),
3. Add the new register to the group, as shown in the following images.
4. Save

2. Click here to register new

3

4

5.

Cross-checks management

In this section, the tools needed to cross-check information or data are configured for the program being supervised, and the process is the same as for register management above.

4

Group	Elements	#
HMIS	Client encounter form OPD register Monthly report Laboratory register Pharmacy dispensing log Vaccine stock management log ANC Register Labour and delivery Register Immunization Register Postnatal Register	

Data elements management

This section allows you to pre-assign data elements to be counted or checked for completeness and accuracy in the tools needed to cross-check information for the program being supervised, and the configuration process is the same as for register management above.

4

Group	Elements	#
HMIS	Unique ID Visit date Client name Age Diagnosis (any type) Treatment given Other_specify k	
	Unique ID Visit date	

Document sources management

The process applied to the other sections (register management, cross-checks management, data elements management) also applies to this one. This section allows you to assign document sources to verify information for the program being supervised.

The screenshot shows a user interface for managing document sources. On the left, a sidebar lists various supervision types: Supervision settings, Indicators Mapping/Management, Registers Management, Cross Check Management, Data Elements Management, Source Documents Management (which is selected and highlighted in blue), and Visualizations & Maps. The main area is titled "Source Documents Management" and contains a table. The table has two columns: "Group" and "Elements". The "Group" column contains the value "HMIS". The "Elements" column lists several document types: Client encounter form, OPD register, Monthly report, Laboratory register, Pharmacy dispensing log, Vaccine stock management log, ANC Register, Family planning commodities stock management log, Other_specify, and Client held card/booklet. A blue "Add" button is located in the top right corner of the table area. To the right of the table, there is a small blue square icon with a white checkmark.

Type of supervision	
Supervision settings	
Indicators Mapping/Management	
Registers Management	
Cross Check Management	
Data Elements Management	
Source Documents Management	
Visualizations & Maps	

Source Documents Management

Group	Elements	#
HMIS	Client encounter form OPD register Monthly report Laboratory register Pharmacy dispensing log Vaccine stock management log ANC Register Family planning commodities stock management log Other_specify Client held card/booklet	<input checked="" type="checkbox"/>

Visualizations (Charts) and Maps

A link is made between the application and some favorites related to indicators from the monitoring forms configured in DHIS2 using the tracker program.

If there is already a configuration for charts and maps in the system, the steps for configuring charts, tables, and maps in the monitoring application are shown in the image below.

The screenshot shows a user interface for managing supervision types. On the left, a sidebar lists various management options, with 'Visualizations & Maps' highlighted. The main area displays a table of favorite items, with a search bar at the top.

- 1. Click on **Visualizations & Maps**.
- 2. Select the **Tracker programs** dropdown and choose **DQR - RSC**.
- 3. Check the **Select Charts and Tables (Favorites)** radio button.
- 4. Type **dqr** into the search input field.
- 5. Click the **Search** button.
- 6. The results table shows several items, with the first five being checked.
- 7. Click the **Update** button at the bottom of the table.

#	Name	Type
<input checked="" type="checkbox"/>	DQR - Accuracy - Indicator 1	COLUMN
<input checked="" type="checkbox"/>	DQR - Accuracy - Indicator 2	COLUMN
<input checked="" type="checkbox"/>	DQR - Accuracy - Indicator 3	COLUMN
<input type="checkbox"/>	DQR - Adequacy of source documents across data sources	COLUMN
<input checked="" type="checkbox"/>	DQR - Completeness and timeliness of data	COLUMN

Favorite	Type	Actions
DQR - Accuracy - Indicator 1	COLUMN	
DQR - Accuracy - Indicator 2	COLUMN	
DQR - Accuracy - Indicator 3	COLUMN	
DQR - Verification factors - Indicator 4	COLUMN	
DQR - Verification factors - Indicator 5	COLUMN	

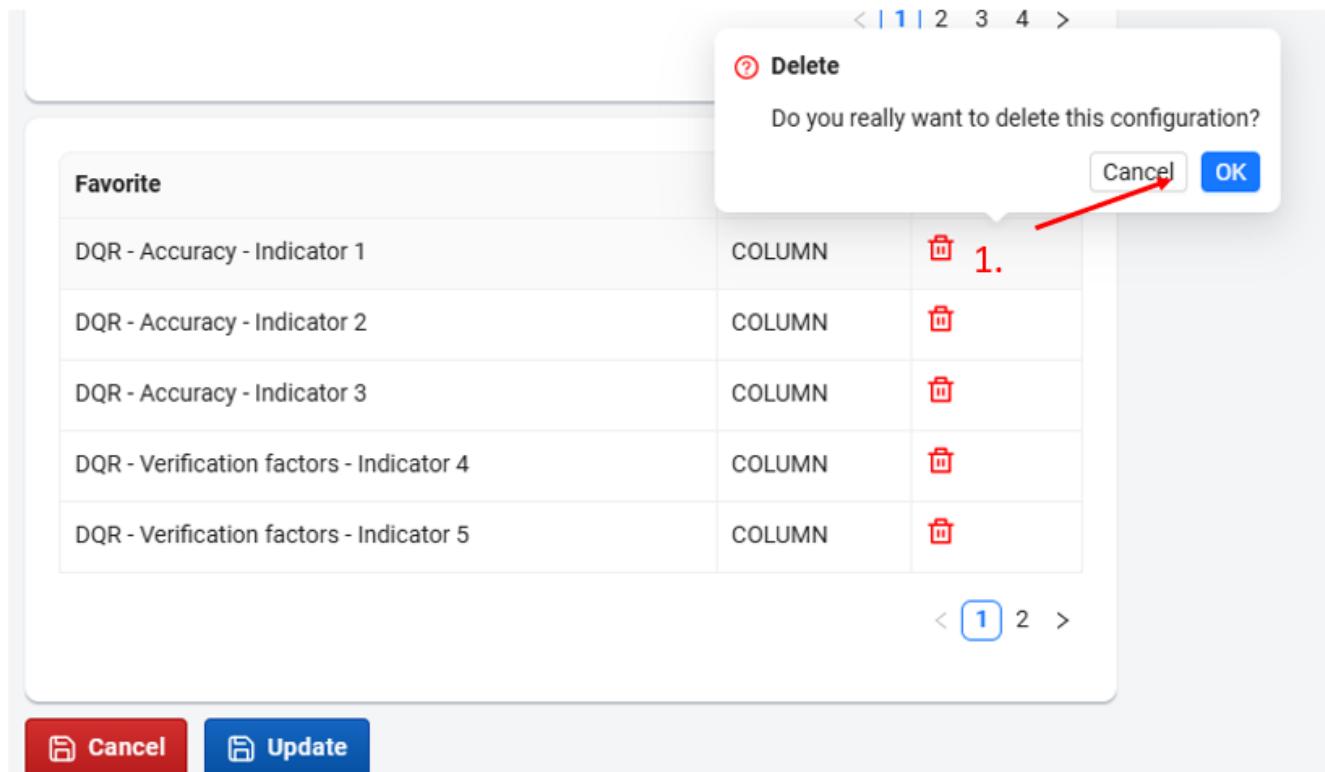
Follow the steps below to add a chart, table, or map (favorite) to a supervision type:

1. Click on **Visualizations and Map**
2. **Select the Tracker program:** From the "Tracker Programs" drop-down menu, choose the relevant program.
3. **Choose the visualization type:** Check the "**Select Charts and Tables (Favorites)**" or "**Select Maps (Favorites)**" option.
4. **Search for the favorite:** In the search field, type a keyword (e.g., **anc**) to filter the visualizations available for that keyword.
5. **Run the search:** Click on the "**Search**" button.
6. **Select the desired favorite:** Check the box corresponding to the chart or table you want to add. **Verify the selection:** The name of the selected favorite will automatically appear at the bottom of the window,

in the “Favorites” section.

7. **Save the configuration:** Click on the “Save” button to finalize.

NB: After saving, you can delete a favorite by clicking on the trash can icon as follows:



Favorites creation

1. Selecting the supervision form

By clicking on the **Create favorites** field, you'll see the supervision sheets (checklists or programs) available in DHIS2. Choose the one you're interested in. This will give you access to the interface for configuring the indicators entered in a favorite.

Favorites creation

Supervision forms

2. DQR - RSC

Test supervision

Indicators Configuration

3. Favorites ? Create new configuration ?

Program stage

4. DQR-RSC

Save as favorites

2. Configuring the favorite indicators

There are two possibilities for this indicator configuration: either you create a new favorite with its entire content, or you improve a favorite already created in the system.

Favorites creation

Supervision forms

1. DQR - RSC

Test supervision

Indicators Configuration

2. Favorites ? Create new configuration ?

3. Program stage

DQR-RSC

Save as favorites

Indicators Configuration

4. Global program area: Global program area

5. How many indicators ? 5

Indicators	Indicator name	Margin of error
DQA_ Indicator 1	6. Indicator name	Margin of error
DQA_ Indicator 2	Indicator name	Margin of error
DQA_ Indicator 3	Indicator name	Margin of error
DQA_ Indicator 4	Indicator name	Margin of error
DQA_ Indicator 5	Indicator name	Margin of error

Cross checks configuration

Cross Check	Primary Source	Secondary Source	Margin of error
Cross Check A	Primary Source	Secondary Source	Margin of error
Cross Check B	Primary Source	Secondary Source	Margin of error

- Creating a new favorite

A favorite is a pre-selection of indicators, source documents and any parameters required for on-site supervision or data verification visits. For example, during an RDQA visit, you need to pre-select the indicators whose data you are going to check, the source documents to be used for verification, the data elements whose completeness you are going to check in the register, and so on. To avoid having to make this selection at each visit, the application allows you to create a favorite containing the choices made for later reuse (either during the same output or for another period).

To create a new favorite, you need to:

- Select the checklist (or DHIS2 program) to be used.
- Check “Create a new configuration”.
- Choose the program stage (if the tracker has several stages, e.g. one stage for the district level and another for the Health Facility level, you can configure a favorite for each level).

Once the program stage has been selected, a table appears on the right-hand side, proposing the definition of the supervision area (program area), indicators, source documents and register data elements to be used for verification.

For a start, those familiar with the Excel version of the tool can build on it, as the electronic version is a replica of the existing Excel version.

There are 4 levels to fill in:

1. Indicator configuration: at this level, the choice of **global program area** in the drop-down list applies to the other chapters. We can also choose the **number of indicators** to be supervised, and this choice will also affect the number of fields in the other three chapters. The “**Indicator name**” field has a drop-down menu allowing you to choose the indicators already configured in the app settings for this particular program. The “**Margin of error**” field will be filled in manually, according to what the staff of the program to be supervised has decided to be the standard

Indicators Configuration			
Global program area	Global program area	How many indicators ?	5
Indicators	Indicator name	Margin of error	
DQA_ Indicator 1	Indicator name	Margin of error	
DQA_ Indicator 2	Indicator name	Margin of error	
DQA_ Indicator 3	Indicator name	Margin of error	
DQA_ Indicator 4	Indicator name	Margin of error	
DQA_ Indicator 5	Indicator name	Margin of error	

2. Cross-check configuration**

The **Primary Source** field allows you to choose from a drop-down list already configured in the app Settings. The **Secondary Source** field also allows you to choose from a drop-down list already configured in the app Settings.

The **Margin of Error** field will be manually filled in according to what the staff of the program to be supervised has decided should be the standard.

Cross checks configuration			
Cross Check	Primary Source	Secondary Source	Margin of error
Cross Check A	Primary Source	Secondary Source	Margin of error
Cross Check B	Primary Source	Secondary Source	Margin of error

3. Consistency over time The **Indicator Name** field has a drop-down menu allowing you to select the indicators already configured in the application settings for this particular program.

The **Margin of error** field will be manually filled in according to what the staff of the program to be supervised has decided to be the standard.

Consistency Over Time

Consistency Over Time	Indicator name	Margin of error
Consistency Over Time 1	Indicator name	Margin of error

4. Data elements and source document This section allows you to choose the number of data elements to be included in the data completeness check. This choice will have an impact on the number of fields to be filled in the **data element** and **source document** columns.

The **How many data elements** field allows you to choose the number of data elements to check for completeness.

The **How many source documents** field allows you to select the number of source documents that supervisors will check in the field.

The **Register name** field allows you to select from a drop-down list the register names configured in the application settings for a specific program.

The **Data Element** field allows you to select from a drop-down list the data elements configured in the app settings for a specific program.

The **Source Document** field allows you to select the source documents configured in the app settings for a specific program.

The **Margin of error** field will be manually filled in according to what the staff of the program to be supervised has decided to be the standard. At this stage, filling in this field is not mandatory.

Data Elements & Source documents Completeness configuration	How many data element ?	How many document source ?
---	-------------------------	----------------------------

6	▼
---	---

7	▼
---	---

Data Element Completeness & Source Document Completeness	Data Element Completeness	Margin of error	Source Document Completeness
Register name	Register name		Source Document Completeness 1 ▼ Source Document Completeness 2 ▼ Source Document Completeness 3 ▼ Source Document Completeness 4 ▼ Source Document Completeness 5 ▼ Source Document Completeness 6 ▼
Data Element Completeness & Source Document Completeness	Data Element Completeness 1 ▼ Data Element Completeness 2 ▼ Data Element Completeness 3 ▼ Data Element Completeness 4 ▼ Data Element Completeness 5 ▼	Margin of er...	

- Save as favorite

- Modifying an existing favorite

Favorites creation

The screenshot shows the 'Favorites creation' section of the application. On the left, there's a sidebar with 'Supervision forms' (DQR - RSC) and 'Indicators Configuration'. The main area has three tables: 'Indicators Configuration', 'Cross checks configuration', and 'Stock configuration for cross check C'. Step 1 points to the 'DQR - RSC' dropdown. Step 2 points to the 'Favorites?' radio button. Step 3 points to the 'Select Favorite' dropdown set to 'HMIS'. Step 4 points to the 'Delete' and 'Update' buttons at the bottom.

1. Choose your supervision
2. Click on the button from "Favorites"
3. Choose the favorite you need from the drop - down menu. After selecting the favorite name, its content is displayed in the table on the right. In this table, you can modify the different elements.
4. When you have finished the modification, click on the Update button .

Scheduling

Supervisions scheduling interface

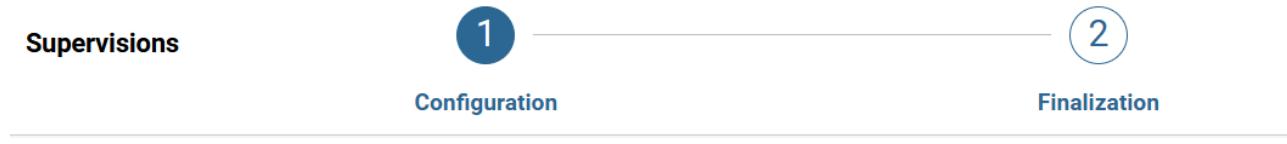
When you click on the **Scheduling** section, a three-level interface appears:

The screenshot shows the 'Supervisions' section of the application. On the left is a sidebar with 'Dashboard', 'Supervision schedule' (highlighted in green), 'Planifications', 'Favorites creation', and 'Settings'. The main area has a search bar with dropdowns for 'Supervision form' (DQR - RSC), 'Organization Unit' (Lao PDR), 'Period' (2025-01), and a 'Search' button. Below the search bar is a table titled 'Planned supervision display area' with columns: Organisation Unit, Team Lead, Supervisors, Period, Supervision Status, and Actions. A red arrow points to the search bar. Another red arrow points to the 'Planned supervision display area'. A third red arrow points to a blue '+' button labeled 'Create a new schedule' in the bottom right corner.

- **The Search bar**, with the supervision form to be selected, the target organization unit for supervision, the period for scheduled supervision and the **Search** button for displaying scheduled supervision queries**.**
- **The scheduled supervisions display area**
- **The button for creating new schedules**

Creating a new schedule

1. To create a new schedule, click on the + icon button at the bottom right of the first interface of the Schedule option.
2. In the schedule creation interface, there are two steps

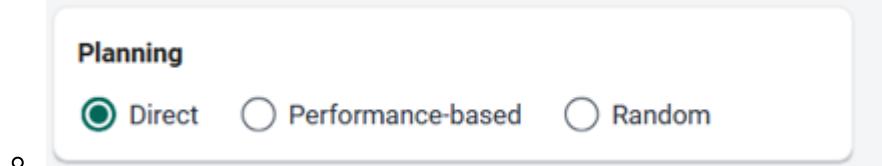


- o **The configuration** The configuration of the new schedule consists of:

The screenshot shows the 'Supervision forms' configuration screen. On the left, under 'What do you want to supervise?', 'Organisation Unit' is selected. Under 'Supervision forms', 'DQR - RSC' is selected. Under 'Global configurations', 'HMIS' is selected. The main area displays a table of 'List of data element configuration' for DQR-RSC, with columns for Program Stage, Data element name, and Data source. A red arrow points to a blue circular button with a white cancel symbol on the right side of the table, with the text 'To cancel the process' written above it.

Program Stage	Data element name	Data source
DQR-RSC	DQR_ Indicator 1	RMNCAH - ANC 1st visit
DQR-RSC	DQR_ Acceptable margin of error- accuracy / MOE 1	10
DQR-RSC	DQR_ Indicator 2	ANC 4th Visit
DQR-RSC	DQR_ Acceptable margin of error- accuracy / MOE 2	10
DQR-RSC	DQR_ Indicator 3	EPI - DPT-HepB-HIB 1 doses given < 1 year
DQR-RSC	DQR_ Acceptable margin of error- accuracy / MOE 3	10
DQR-RSC	DQR_ Indicator 4	EPI - DPT-HepB-HIB 3 doses given < 1 year
DQR-RSC	DQR_ Acceptable margin of error- accuracy / MOE 4	10
DQR-RSC	DQR_ Indicator 5	Live births in facility
DQR-RSC	DQR_ Acceptable margin of error- accuracy / MOE 5	10

- Selecting the entity (organization unit).
 - Selecting the tracker program (DQR-RSC, ECD, etc.).
 - Selecting a favorite if available. If not, exit to create a new favorite in the "**Create favorites**" section.
 - To cancel the process, simply click on the blue button as shown below.
 - Other programs - In this case, there is no need to select a favorite.
- o **The finalization** At this stage, you have to choose between types of schedule:



- **Direct:** for arbitrary site selection
- **Performance-based:** allows you to request the app to select a number of sites on the basis of their performance against some selected indicators
- **Random:** allows you to request the app to randomly suggest sites to visit, after specifying the number of sites to be visited

Direct scheduling

Choosing this option assumes that the supervisor knows in advance the problems in one or more of the structures he or she decides to supervise. To do this, the supervision scheduler clicks on the **Direct** button, then adds the supervision teams, and selects one or more organization units in which supervision will take place.

The screenshot shows the DHIS2 Supervision Planner interface. On the left, under 'Planning', the 'Direct' button is selected (1.). Below it, the 'Supervisors team configuration' section (2.) contains a table with columns: Name, Team Lead, Supervisors, and Actions. A message says 'Empty list!'. On the right, a 'New Team' dialog box is open (3.). It has fields for 'Team name' (4.), 'Supervisors' (5.), and 'Other supervisors' (6.). Buttons at the bottom are 'Cancel' (red) and 'Save' (blue).

If all supervisors have a DHIS2 user account, don't click on the **Add** button in the **Other supervisors** section**. **

1. Specify the team lead
2. Choose the organization units to be supervised (image below).
3. Assign dates and supervision teams to each site.

A dialog box titled 'Who is the team lead?' (1.) contains a dropdown menu with 'Danu A' selected (2.). At the bottom are 'Cancel' (red) and 'Save' (blue) buttons.

Planning

Direct Performance-based Random

Supervisors team configuration

Name	Team Lead	Supervisors		Actions
Team 2	Demo User	Demo User	HISP India	
Team A	Thai Test	Shurajit Dutta	Thai Test	

Select the facility or facilities

Planning based on Organisation Units

Organisation Units

0001 CH Mahosot x PPM Chanthabouli x

1 2 3 4 5

The screenshot shows the 'Supervisions' module of the application. On the left, a sidebar lists 'Dashboard', 'Supervision schedule', 'Planifications' (highlighted in green), 'Favorites creation', and 'Settings'. The main area has tabs for 'Configuration' (selected) and 'Finalization'. Under 'Configuration', there's a 'Planning' section with radio buttons for 'Direct' (selected), 'Performance-based', and 'Random'. Below it is a 'Supervisors team configuration' table. To the right is a 'Planning form on 0001 CH Mahosot' section with fields for 'Period', 'The most recent checking period', 'Teams', 'Supervisors', 'Other supervisors', and a 'Modules choice' dropdown. Red numbers 1 through 5 are overlaid on specific elements: 1 points to the 'Direct' radio button; 2 points to the '+ Add' button in the supervisor table; 3 points to the 'PPM Chanthabouli x' organization unit; 4 points to the 'Period' field in the planning form; and 5 points to the 'Other supervisors' input field.

Supervisions

1 Configuration 2 Finalisation

Check the modules →

Modules choice

- DQR-Modul1- Inpatient: Visit overview
- DQR-Modul2- Inpatient:HIV Discharge
- DQR-Modul3- Staffing
- DQR-Modul4-Mother and Child Health

Planning form on 0001 CH Mahosot	Planning form on PPM Chanthabouli
Period (*)	Period
The most recent checking period (*)	The most recent checking period
Teams	Teams
Supervisors (*)	Supervisors
Other supervisors	Other supervisors
Modules choice	

Note: It is possible to choose the following module(s) applicable to the facilities scheduled for supervision: This has already been configured in the section settings Configuration other fields- Please select the modules...

4. Click on the **Schedule the supervision(s)** button to complete the process



Performance-based scheduling

Choosing this option assumes that the supervision scheduling team wants to carry out supervision based on the performance of some indicators at the sites to be supervised.

Planning

Direct Performance-based Random

Planning based on configured performances

Select indicators:

Favorites ?
 Direct ?

Select the indicators

There are two ways of selecting indicators for this type of scheduling:

- From favorites
- Direct (define your own list of indicators on the fly). This list can then be saved as a favourite

Note There is a difference between a favorite for indicator-based scheduling and a general favorite based on indicators chosen by a program to be supervised in the field. It should also be noted that these favorites are created from the **direct** creation of the favorites.

Start by choosing the **Performance-based** supervision.

1. Clicking on the **Select the indicators** button allows you to choose directly the indicators in DHIS2

The screenshot shows a modal dialog titled "Data source". On the left, there's a search bar labeled "Search by data item name" and a dropdown for "Data Type" set to "All types". Below these are several data items listed in a table:

Data Item	Type
BN ANC4 excluding outliers	Data element (i)
live birth estimated DA	Indicator (i)
"NUT-Liveborn babies delivered in a facility and in the home/community with birthweight documented in the reporting system with value <2500g (%)"	Indicator (i)
00 Unclassified	Program indicator (i)
00 Unclassified of all deaths (%)	Indicator (i)
001 Test	Program indicator (i)
01 Certain infectious and parasitic diseases	Program indicator (i)
01 Certain infectious and parasitic	Indicator (i)

On the right, a vertical list titled "Selected Items" shows "No items selected". Between the two panels are four navigation buttons: double-right arrow, single-right arrow, single-left arrow, and double-left arrow. At the bottom right are two buttons: a red "Cancel" button and a blue "Save" button.

2. Choosing the indicators

3. By clicking on **Save**, we can save this schedule as a **favorite** and also add supervision teams as explained in the **Direct scheduling** section**.

Select indicators:

- Favorites ?
- Direct ?

Select the indicators

 Save as favorites

Name	Weight	Actions
AFI - Acute Febrile Illness AFI - Signs or symptoms - Abdominal pain	0	
AFI - Acute Febrile Illness AFI - Signs or symptoms - Chest pain	0	

Supervisors team configuration

+ Add

Name	Team Lead	Supervisors	Actions
Team1	Shurajit Dutta	Demo User Shurajit Dutta	

Search criteria

Organisation Units	Best	Worst	<input type="checkbox"/> Best Positive
01 Vientiane Capital	2	2	
Set of Organisation Unit Groups			
DLI-F Facilities	Organisation Unit Groups	Period Type	Period
	HANSA: DLI-F Facilities	Month	2025-01
Show results	Click on this field only if you have absolute numbers to filter by the highest.		

4. After selecting the supervision team, the next step is to select the **organization units** and **period**. At this level, you choose either the national, regional or district level, depending on your needs, and then you must assign an **organization unit group set** to access the period to be explored for performance analysis.
5. Once you've filled in all the required fields, click on the **Display results** button to view the health facilities matching your selection criteria.

Random scheduling

By choosing this option, the supervision schedulers are not supposed to have any specific information prior to choosing the sites to supervise. Instead, they will go to a higher hierarchy level to select a random number of structures to visit.

To do this, they must first configure the supervision teams in the same way as for the previous options.

Name	Team Lead	Supervisors	Actions
T1	Shurajit Dutta	Shurajit Dutta Demo User	

Supervision Schedule

This interface allows the users to view the different supervisions scheduled over time.

It has two parts:

1. A search box for scheduled supervisions by supervision form

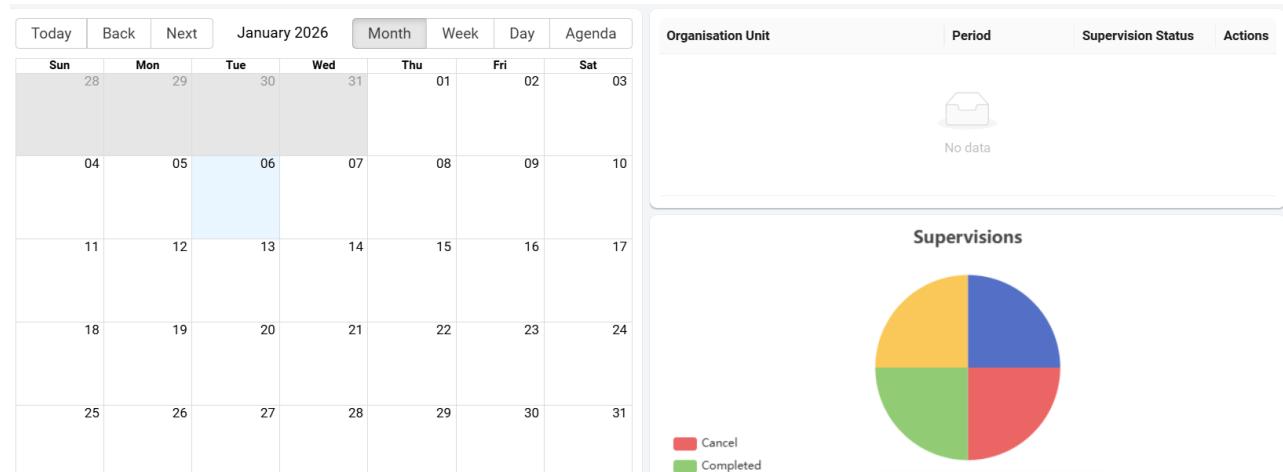
- Program: this field allows you to select the supervision form from a drop-down menu.
- Organization unit: allows you to select the facilities that will be subject to planned supervision audits.
- Period: selects the period of planned supervision to be checked
- Scheduling: allows you to filter planned supervisions. There are three possibilities:
 - My supervisions: corresponds to supervisions assigned to the user as supervisor.
 - Scheduled by me: corresponds to supervisions scheduled by the logged-in user.
 - All: corresponds to all supervisions scheduled in the system during the period the user wishes to check.
 - Once you have selected all the queries, click on the **Apply** button to view the search result.

Program	Organisation Units	Period	Planifications
DQR - RSC	Lao PDR	2026-01	All

2. A display area for search result - It is represented by four field subgroups. From left to right, we have:

- **At the top left, the calendar** with the date fields in which the health facilities to be supervised are displayed.
- **On the left, at the bottom of the calendar**, we have a small field containing schedules by type and number. These are **scheduled** supervisions, **cancelled** supervisions, supervisions **in progress** and **completed** supervisions.
- **At the top right**, a field containing the **organization units** to be supervised, with the planned **period**, the **supervision status** and a rectangle icon with an upward arrow, leading to the supervision form field in the corresponding Tracker program if the supervisor wants to use the web at the supervision site.

- At the bottom right, we have a field displaying the schedule results in a pie chart showing the colorations assigned to the supervision status.



Dashboard

This Dashboard has been customized to suit the needs of each supervision form integrated into the app. Its interface has two levels:

1. A filter zone for scheduled supervisions by supervision form.

The user can use this dashboard to analyze data from supervisions carried out in the field. To do so, he/she must select some information to display the results as tables or charts:

- the supervision form in the program drop-down list,
- the organization unit,
- the organization unit level,
- the period.

To display the data, click on the **Apply** button after selecting all the appropriate options.

2. A display area for dashboard elements

