

Learner's Guide to Data Element Groups

What is this guide?

This guide contains all exercises and detailed steps to perform them related to the review of **data element groups** for the Design for Data Use Level 1 academy. Please perform each of the exercises when prompted to by your instructors

Learning objectives for this session

1. Describe why metadata is grouped in DHIS2
2. Identify when it is appropriate to group different items together
3. Define the terms in DHIS2 used to group items
4. See how data element groups are used in analysis
5. Create a data element group

Exercise 1

Perform this exercise in the DEMONSTRATION system.

Create a thematic map in the maps app.

The maps is is unique in that it does not allow you to select a data item unless it is within a group.

Add new thematic layer

Data

Period

Org Units

Filter

Style

Item type

Data element

▼

Data element group

▼

Aggregation type

By data element

▼

Cancel

Add layer

This is due to the nature of maps app and not wanting it to be overwhelmed with a large request for all data items so it will continue to work in low bandwidth settings.

In such a scenario, the only way to access your data elements and indicators is to place them within groups that allow you to more easily search for them.

While you can search for data elements and indicators that are not in any group in data visualizer, it is often not recommended. In fact, all of your data elements and indicators should be in groups.

Select data element as the data type along with the following inputs

- Data element group : Immunization
- Data element : EPI - BCG doses given
- Aggregation type : by data element

Edit thematic layer

Data
Period
Org Units
Filter
Style

Item type
Data element

Data element group
Immunization

☒ Totals
☐ Details

Data element
EPI - BCG doses given

Aggregation type
By data element

Cancel
Update layer

Discuss amongst the participants what some possible additional groupings would be.

Update the Map

Period

- This year

Org units

- Lao PDR

Filter

- Age Immunization 1+ year

We can see in this case, while data element groups helps, and is even necessary in the maps map, there is some room for improvement that would help us refine our search parameters.

Exercise 2

Manage DE Groups and DE Group Sets in Maintenance

Perform this exercise in the CUSTOMIZATION system

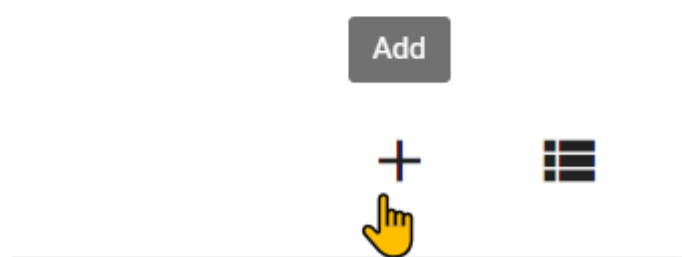
Let us create a data element group for Immunization.

Navigate to Maintenance -> Data Element

From here, we can add a data element group.

Data element group

Create, modify, view and delete data element groups. Groups are used for improved analysis.



Creating a data element group is quite easy. Enter in the details for name, short name and code. Make sure you use your initials so it remains unique.

Description

Data elements

EPI -

314 hidden by filters

EPI - ADS 0.05 ml broken

EPI - ADS 0.05 ml issued

EPI - ADS 0.05 ml missing

EPI - ADS 0.05 ml opening balance

EPI - ADS 0.05 ml received

EPI - ADS 0.05 ml redistributed

EPI - ADS 0.05 ml stock on hand

EPI - ADS 0.05 ml stockout days

EPI - ADS 0.5 ml broken

EPI - ADS 0.5 ml issued

ASSIGN ALL 185 -->

0 hidden by filters

-- REMOVE ALL

SAVE

CANCEL

We also want to add our data elements to the group. Search for the data elements (in this case using learner enrolment) and assign all the data elements for learner enrolment to this particular group.

Description

Data elements

EPI

314 hidden by filters

0 hidden by filters

EPI - ADS 0.05 ml broken
EPI - ADS 0.05 ml issued
EPI - ADS 0.05 ml missing
EPI - ADS 0.05 ml opening balance
EPI - ADS 0.05 ml received
EPI - ADS 0.05 ml redistributed
EPI - ADS 0.05 ml stock on hand
EPI - ADS 0.05 ml stockout days
EPI - ADS 0.5 ml broken
EPI - ADS 0.5 ml issued

ASSIGN ALL

REMOVE ALL 185

SAVE

CANCEL

After you do this, you can save the group. Note that, because you are not modifying any underlying data, these groups can be added and removed at any time.