

- Once you have successfully Saved the mapping for a Reference numerator, the Tool will again show the full table of numerators. Notice how the cells for “Data element/indicator” and “Dataset” are now filled in for the numerator you have just mapped. Also notice that the Clear button is brighter. If you wanted to, you could clear the mapping. Clearing a WHO standard Reference numerator will simply clear the mapping information – it will not remove the Reference numerator from the table. On the other hand, if the row was one that you had added (using the blue Add button at the bottom of the page), if you clicked on “Clear” the row would disappear from the table.

Immunization	DPT 1		Penta1 doses given	Child Health	Edit	Clear
Immunization	DPT 2				Edit	Clear
Immunization	DPT 3	✓			Edit	Clear
Immunization	MCV 1				Edit	Clear

- For more practice, let’s repeat the process for DPT3. Click on Edit. Notice that the box is checked for “Core”. WHO recommends DPT 3 as the Core indicator for immunization programmes. You could change this, but let’s leave it as it is. Next, fill in all of the other fields and Save your mapping.

Name

DPT 3

Definition

Children receiving 3rd dose of DPT-containing-vaccine (PENTA)

Groups

Immunization x

Core

☒

Data mapping

Data element

Indicator

Immunization

x

Totals

Details

Penta3 doses given

x

Dataset for completeness

Child Health

x

Variable for completeness

Penta3 doses given Fixed, <1y

x

"DPT 3" will be mapped to "Penta3 doses given".

Cancel

Save

3. Notice that, so far, DPT 1 and DPT 3 are the only numerators with “Data element/indicator” and “Dataset” specified.

Numerators	Numerator groups	Numerator relations	Numerator quality parameters	Denominators	Denominator relations	External data comparison
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Please map the reference numerators to the corresponding data element/indicator in this database.

Group	Reference numerator	Core	Data element/indicator	Dataset
General Service Statistics	OPD visits			
HIV/Aids	PLHIV in HIV care	✓		
HIV/Aids	PLHIV on ART	✓		
HIV/Aids	Pregnant women on ART (PMTCT)			
HIV/Aids	Retained on ART 12 months after initiation			
HIV/Aids	Virally suppressed ART-clients			
Immunization	DPT 1		Penta1 doses given	Child Health
Immunization	DPT 2			
Immunization	DPT 3	✓	Penta3 doses given	Child Health

If we go back to the dashboard of the Tool we will see that, as soon as you have mapped at least one reference numerator for a Group, the name of that Group will appear in the drop-down list for “Data”. In this way, the Tool can be set to assess all Core numerators or to assess all of the numerators that have been mapped for a single Group.

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Dashboard

Completeness Consistency - time Consistency - data Outliers

Data

[Core]
Immunization

4. Next, let’s go back to the More-Administration function and the Numerators page. To add a new numerator, we can click on the blue Add button at the bottom right of the Numerators page

				Edit	Clear
				Edit	Clear
				Edit	Clear
				Edit	Clear
	✓			Edit	Clear
				Edit	Clear
				Edit	Clear
					Add

Let's add "Number of physicians". We must assign the new numerator to a Group – there is no default Group. For now, choose the "General Service Statistics" group. Complete the remainder of the fields. The existing data element "Doctor" is in the "Staffing" data element group. Once you have filled in all fields, you can Save the new numerator with its mapping.

Name	<input type="text" value="Number of physicians"/>
Definition	<input type="text" value="Number of physicians"/>
Groups	<div>General Service Statistics ×</div>
Core	<input type="checkbox"/>

Data mapping

Data element

Indicator

Staffing ×

Totals

Details

Doctor ×

Dataset for completeness

Staffing ×

Variable for completeness

Doctor On salary ×

"Number of physicians" will be mapped to "Doctor".

Cancel

Save

5. If we don't want to assign the new numerator to an existing Group then we must use the "Numerator groups" tab to add a new Group. Click on this tab now.

Administration

This module is used for configuring the Data Quality Tool, and mapping the proposed data quality indicators to data elements as numerator and numerator group configuration is also used for the Dashboard.

Numerators

Numerator groups

Numerator relations

Numerator quality parameters

Denominators

Dei

Add and remove numerators to/from groups, and to add new groups.

General Service Statistics

Data	
OPD visits	<button>Remove</button>
Select item to add to General Service Statistics group...	<button>Add</button>

HIV/Aids

Data	
PLHIV in HIV care	<button>Remove</button>

6. Then click on the Add group button at the bottom left of the "Numerator groups" page, type in the name for the new Group and Save it.

Add group

Name: Human resources

Cancel Save

General Service Statistics

Data

OPD visits Remove

Select item to add to General Service Statistics group... Add

HIV/Aids

Data

HIV-positive TB cases initiating ART Remove

TB cases tested for HIV Remove

Select item to add to TB/HIV group... Add

Add Group Delete Group

7. The name of this new Group will then appear in various tables and menus. For example, it now appears on the “Numerator groups” page. Notice that no numerator has yet been assigned to this Group.

Administration

This module is used for configuring the Data Quality Tool, and mapping the proposed data quality indicators. This configuration is also used for the Dashboard.

[Numerators](#) [Numerator groups](#) [Numerator relations](#) [Numerator quality parameters](#)

Add and remove numerators to/from groups, and to add new groups.

General Service Statistics

Data	
Number of physicians	Remove
OPD visits	Remove
<input type="text" value="Select item to add to General Service Statistics group..."/>	Add

HIV/Aids

Data	
PLHIV in HIV care	Remove
PLHIV on ART	Remove
Pregnant women on ART (PMTCT)	Remove
Retained on ART 12 months after initiation	Remove
Virally suppressed ART-clients	Remove
<input type="text" value="Select item to add to HIV/Aids group..."/>	Add

Human resources

Data	
<input type="text" value="Select item to add to Human resources group..."/>	Add

8. We can assign to this Group a numerator that we have already mapped by clicking on the down arrow to the right of “Select item to add ...” and selecting the numerator from the drop-down menu,

<div><div>Pregnant women on ART (PMTCT)</div><div>Postpartum care within 2 days (PNC)</div><div>Pregnant women receiving TT 1</div><div>Number of physicians</div></div>	<div><div></div><div></div><div></div><div></div></div>
<input type="text" value="Select item to add to Human resources group..."/>	Add

Notice that the “Add” button is now brighter. Click on the “Add” button.

Human resources

Data	
<input type="text" value="Number of physicians"/>	Add

The numerator you just selected will appear under the new Group.

Human resources

Data	
Number of physicians	<div>Remove</div>
<div>Number of physicians</div>	<div>Add</div>

9. The name of the new Group will now appear next to our new numerator on the Numerators page

Numerators

Numerator groups

Numerator relations

Numerator quality parameters

Denominators

Denominator relations

External data comparison

Please map the reference numerators to the corresponding data element/indicator in this database.

Group	Reference numerator	Core	Data element/indicator	Dataset	
General Service Statistics, Human resources	Number of physicians		Doctor		<div>Edit</div> <div>Delete</div>
General Service Statistics	OPD visits				<div>Edit</div> <div>Clear</div>
HIV/AIDS	PI HIV in HIV care	<input checked="" type="checkbox"/>			<div>Edit</div> <div>Remove</div>

10. If we want, we can edit this new numerator so that it is only in the Human Resources Group. Notice, however, that you must Save all edits and the Save button is greyed out (inactive). The Tool will not permit you to Save unless all fields have been completed.

Name

Number of physicians

Definition

Number of physicians

Groups

Human resources

Core

☐

Data mapping

Data element

Indicator

Data element group...

Totals

Details

Select data element...

Dataset for completeness

Select data set...

Variable for completeness

Select variable...

Cancel

Save