

Validation Rules: : CHEAT SHEET



Validation Rule - Logic

Validation

Validation Result

The data entry screen successfully passed validation

- A way to assess the quality of data reported in DHIS2.
- It's based on predefined relations between data elements and groups of data elements.
- The relationships are based on the reality.
 - Greater than
 - Less than
 - Equal to
 - Greater than or equal to
 - Less than or equal to
 - Compulsory / Exclusive pair

Examples

1. ANC 1st visits **vs** ANC 4th visits
2. Suspected Malaria **vs** Confirmed Malaria
3. Injectable 1 month quantities **vs** Injectable 1 month Clients

- An expression that defines a relationship between data elements.

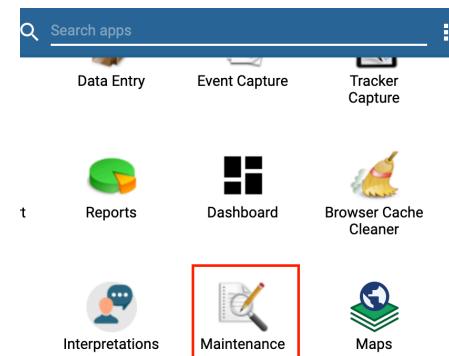
Left side	Comparison	Right side
Injectable 1 month quantities	=	Injectable 1 month clients

From the list of data elements Examples <=, >=, = From the list of data elements



Building Validation Rule

1 DHIS2 Apps → Maintenance → Validation → Add new



2 Fill in the required fields

Validation

Validation rule

Add, modify, view and delete validation rules. Anomalies can be discovered by running validation rules against the data.

3 Set the instructions - what's to be done when the rule is violated

Refer to PSI standards for naming conventions

Building validation rule Cont.

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Left side expr

Skip if any value is missing
Skip if all values are missing
Never skip

If data element has no data ... what to do?

How data element is stored - do NOTHING

Description
HSR2 FP - Injectable 1 month - by Channel, Product Source
#(PBo1reahyZ1)

DATA ELEMENTS	PROGRAMS	ORG UNIT COUNTS	CONSTANTS	REPORTING RATES
HSR2 FP - Injectable				

HSR2 FP - Injectable 1 month by age 50+
HSR2 FP - Injectable 1 month by age Unknown
HSR2 FP - Injectable 1 month - by Channel, Product Source
HSR2 FP - Injectable 1 month - by Channel, Product Source Franchise, PSI Product
HSR2 FP - Injectable 1 month - by Channel, Product Source Franchise, Non-PSI Product
HSR2 FP - Injectable 1 month - by Channel, Product Source PSI Direct Service Delivery, PSI Product
HSR2 FP - Injectable 1 month - by Channel, Product Source PSI Direct Service Delivery, Non-PSI Product
HSR2 FP - Injectable 1 month - by Channel, Product Source Service Delivery Partner, PSI Product
HSR2 FP - Injectable 1 month - by Channel, Product Source Service Delivery Partner, Non-PSI Product

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Right side expr

Skip if any value is missing
Skip if all values are missing

Search data element from here

Valid

Verify your selection here

Skip this rule during form validation

SAVE **CANCEL**

5 Define the relationship

- Equal to
- Not equal to
- Greater than
- Greater than or equal to
- Less than
- Less than or equal to
- Compulsory pair
- Exclusive pair

Both data elements MUST be reported

One of the data elements MUST be reported