

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

Search apps

Data Entry Event Capture Tracker Capture Reports Dashboard Browser Cache Cleaner Interpretations Maintenance Maps

Validation

Validation rule

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

2 Fill in the required fields

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

Refer to PSI standards for naming conventions

This object will be created with public edit and view rights

Name (*)

Short name

Code

Description

Instruction

Importance (*) Medium

Period type (*) Monthly

Month

Year

Medium

Building validation rule Cont.

4 Left side expr

Skip if any value is missing

Skip if all values are missing

Never skip

Left side expr

HSR2 FP - Injectable 1 month - by Channel, Product Source

#(PBo1reahyZ1)

Right side expr

Skip if any value is missing

Skip if all values are missing

5 Define the relationship

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

Equal to

Not equal to

Greater than

Greater than or equal to

Less than

Less than or equal to

Compulsory pair

Exclusive pair

6 Right side expr

Left side expr

HSR2 FP - Injectable 1 month - by Channel, Product Source

Valid

Right side expr

HSR2 FP - Injectable 1 month - by Channel, Product Source

Valid

Both data elements MUST be reported

One of the data elements MUST be reported

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Skip this rule during form validation

SAVE CANCEL

