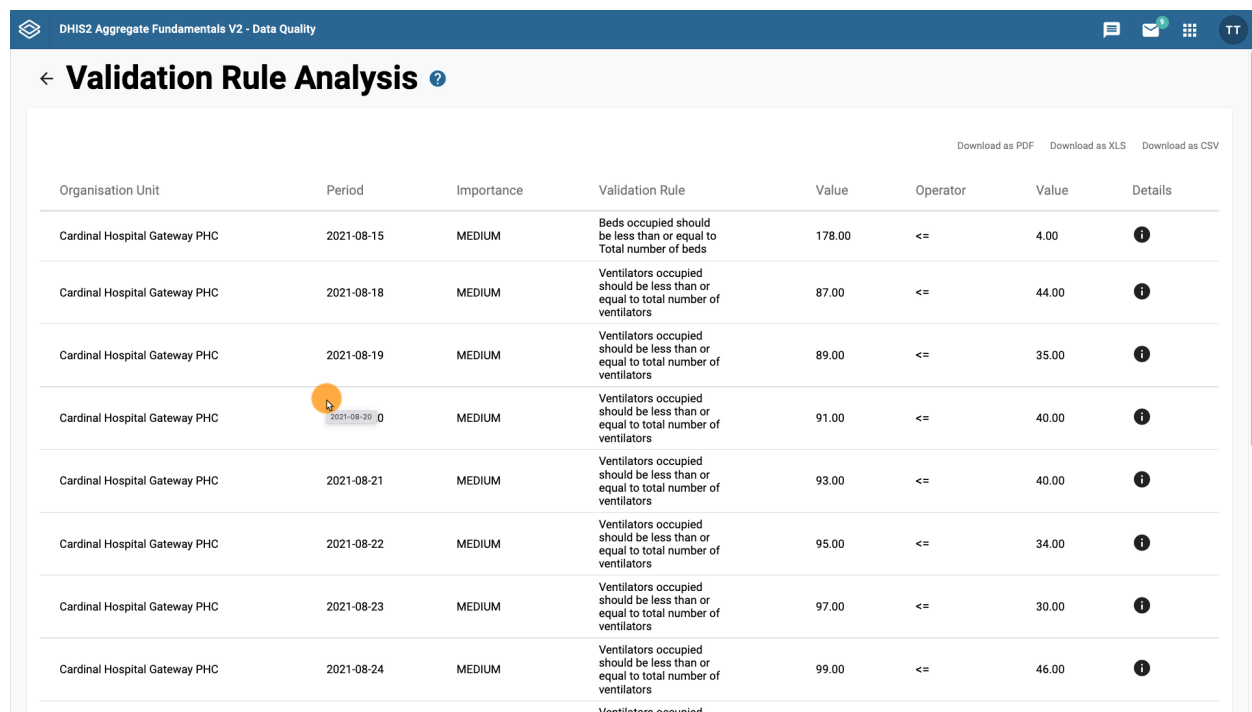


3.2.1 Activity: Batch validation rule analysis

Overview

In this activity, you will run a Batch Validation Rule Analysis using the Data Quality app.

Instructions:



| Organisation Unit | Period | Importance | Validation Rule | Value | Operator | Value | Details |
|-------------------------------|------------|------------|--|--------|----------|-------|---------|
| Cardinal Hospital Gateway PHC | 2021-08-15 | MEDIUM | Beds occupied should be less than or equal to Total number of beds | 178.00 | <= | 4.00 | 1 |
| Cardinal Hospital Gateway PHC | 2021-08-18 | MEDIUM | Ventilators occupied should be less than or equal to total number of ventilators | 87.00 | <= | 44.00 | 1 |
| Cardinal Hospital Gateway PHC | 2021-08-19 | MEDIUM | Ventilators occupied should be less than or equal to total number of ventilators | 89.00 | <= | 35.00 | 1 |
| Cardinal Hospital Gateway PHC | 2021-08-20 | MEDIUM | Ventilators occupied should be less than or equal to total number of ventilators | 91.00 | <= | 40.00 | 1 |
| Cardinal Hospital Gateway PHC | 2021-08-21 | MEDIUM | Ventilators occupied should be less than or equal to total number of ventilators | 93.00 | <= | 40.00 | 1 |
| Cardinal Hospital Gateway PHC | 2021-08-22 | MEDIUM | Ventilators occupied should be less than or equal to total number of ventilators | 95.00 | <= | 34.00 | 1 |
| Cardinal Hospital Gateway PHC | 2021-08-23 | MEDIUM | Ventilators occupied should be less than or equal to total number of ventilators | 97.00 | <= | 30.00 | 1 |
| Cardinal Hospital Gateway PHC | 2021-08-24 | MEDIUM | Ventilators occupied should be less than or equal to total number of ventilators | 99.00 | <= | 46.00 | 1 |

Image 1: The results of a Batch Validation Rule Analysis report, showing which validation rules have been broken

1. Run a Batch Validation Rule Analysis:
 - a. Sign in to **DHIS2 Trainingland** using the following URL:
 - b. Open the **Data Quality app** from the Apps Menu
 - c. Select **Validation Rule Analysis**
 - d. Select your **Validation Rule Analysis Dimensions**:
 - i. Select **Animal Region** in the **organisation unit** hierarchy

- ii. Select **July 1, 2021** as the **start date** and **December 31, 2021** as the **end date**
 - iii. Select **COVID-19** as the **validation rule group**
- e. Select **'Validate'**. Note the results may take a few seconds to generate
- f. Analyze the result of the Validation Rule Analysis
 - i. What kind of validation rules are broken?
 - ii. What is the level of importance for the validation rule?
 - iii. Are there validation rules that are repeatedly broken?
- g. Select the information icon to find out more information about one of the validation rules
 - i. What is the left side and right side of the validation rule expression?
 - ii. What would the data value need to be for the validation rule to pass?

Explore DHIS2

If you'd like additional practice in DHIS2, try these optional, exploratory steps below:

1. In the Data Quality app, run a Batch Validation Rule Analysis for the Food Region for July 2021 (July 1-31, 2021) with the validation rule group: Immunisation rule group. What kind of validation rules are broken? Can you identify how the data values would be fixed for it to pass validation?
2. Run a Batch Validation Rule Analysis for a facility level organisation unit. Select a validation rule group and a period of your choice. Was validation passed successfully? If not, how many validation rules did it break?

