



To practice how to configure the DQ Tool, use the wifi to access the internet and connect to <https://play.dhis2.org/2.33.4/>
The user name (admin) and password (district) are displayed



DHIS 2 Demo - Sierra Leone
Welcome to the DHIS 2 demo application

Create an account



Sign in

admin

.....

☐ Login using two factor authentication

Sign in

Forgot password?

Create an account

Log in with admin / district and feel free to do changes as system is reset every night.

Powered by **DHIS 2** Learn more at dhis2.org

[Change language] ▼



WHO Data Quality Tool: Mapping reference numerators to DHIS2 data elements

It is not always easy to identify the best data element

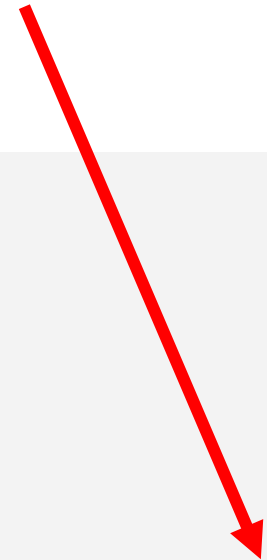


Challenge #1: There may be very long lists of data elements and indicators

Data element management ⓘ

Search by name

1 - 50 of 8171





With the Pivot Table app, the lists can be filtered by typing on the search line.

DHIS 2 Pivot Tables

Data

Data elements

[All data elements]

Totals

DPT

>

>>

<<

<

Selected

DPT+HIB+HEP B doses in stock at the beginning of the Month

DPT+HIB+HEP B doses received within the Month

DPT+HIB+HEP B doses remaining at the end Month

DPT+HIB+HEPB Antigen

DPT+HIB+HEPB 1 Dose Administered

DPT+HIB+HEPB 2 Dose Administered

DPT+HIB+HEPB 3 Dose Administered

DPT+HiB+HEP B No. of children vaccinated during the month

DPT/Hep+HiB1 doses Administered



The best solution is to configure good groups

ALL

CATEGORY

DATA ELEMENT

DATA SET

INDICATOR

ORGANISATION UNIT

PROGRAM

VALIDATION

OTHER

📁 Data element

📁 Data element group

📁 Data element group set

Data element group management ?

Search by name

1 - 50 of 108

< >

Name	Public access	Last updated	
02.1 - Inpatient mortality, morbidity and deliveries	Public view/edit	March 12, 2018	⋮
02.2 - Outpatient new cases (by diagnosis)	Public view/edit	February 7, 2018	⋮
02.3 - Top 14 diagnoses, < 5 years	Public view/edit	March 12, 2018	⋮
02.4 - Outpatient visits	Public view/edit	March 12, 2018	⋮

+



The group should have only data elements which you will frequently use

Data elements



Search available/selected items

- 0000000 INCOME & EXPENDITURE STATEMENT
- 1000000 Income/Revenue
- 10.1 Residential
- 10.1 The facility has a sound fnancial plan that is adequately fun
- 10.2 Commercial
- 10.2 Financial resources are provided and used towards Quality I
- 10.3 Availability of updated fee structure, strategically and promi
- 10.3 Institutional
- 10.4 Facility improvement/ Quality management funds are effcie
- 10.4 Others



- BCG doses Administered
- Measles-Rubella 1 doses Administered
- OPV1 doses Administered
- Fully Immunized Children(FIC) under 1 year
- DPT/Hep+HiB3 doses Administered
- OPV2 doses Administered
- IPV doses Administered
- Pneumococal 1 doses Administered
- Pneumococal 2 doses Administered
- Measles-Rubella 2 Dose Adm (at 1 1/2 - 2 years)
- DHS estimate - Penta 1 coverage

ASSIGN ALL 8144 →

← REMOVE ALL 27

Challenge #2: A “numerator only indicator” may be needed

Edit numerator

Description

DPT-HepB-Hib 3 doses given

`#{I2CBWQfkInA.mQX1jwnUv90} + #{d1SOoI7aHnN}`

() * / + - Days

DPT

Dpt-HepB-Hib 1 administered < 1 year outreach

Dpt-HepB-Hib 1 administered >= 1 year outreach

Dpt-HepB-Hib 1 administered < 1 year static

Dpt-HepB-Hib 1 administered >= 1 year static

Dpt-HepB-Hib 2 administered < 1 year outreach

Dpt-HepB-Hib 2 administered >= 1 year outreach

Dpt-HepB-Hib 2 administered < 1 year static

Dpt-HepB-Hib 2 administered >= 1 year static

Dpt-HepB-Hib 3 administered >= 1 year outreach

Dpt-HepB-Hib 3 administered < 1 year static

Dpt-HepB-Hib 3 administered >= 1 year static

DPT-HepB-Hib 3 administered < 1 year static

DPT-HepB-Hib 3 administered < 1 year static + Dpt-HepB-Hib 1 administered < 1 year outreach



Challenge #3: Some of the existing data elements or indicators may not be defined correctly

Edit numerator

TB Case Findings MTB ++TB New Case findings New Smear Positive+TB New Case Findings New clinically diagnosed pulmonary TB cases+TB Case Findings Extra Pulmonary Tuberculosis+TB New Case findings Relapse (Bact confirmed)+TB New Case Findings Relapse (clinical pulmonary)+TB New Case findings Relapse (EPTB)+TB New Case Findings Treatment Lost to Follow Up (Bact Confirmed)+TB New Case Findings Treatment Lost to Follow Up (Clinically diagnosed pulmonary NN)+TB New Case Findings Treatment Lost to Follow Up EPTB)+TB New Case Findings Treatment Failure bact conf+TB New Case Findings Other previously treated Bact confirmed pul+TB New Case Findings Other previously treated clinical pul+TB New Case Findings Other previously treated EPTB+TB New Case Findings Unknown previous treatment History bact+TB New Case Findings Unknown previous treatment History EPTB+TB New Case Findings Unknown previous treatment History Pul clin

CANCEL

DONE



Challenge #4: There may be no DHIS2 data set for some important reference numerators.

- HIV, TB, Inpatient care, HR, Drug supply
- Solutions:
 - use the Excel-based version of the WHO DQR Tool
 - arrange for data to be routinely imported into DHIS2

Challenge #5: It may be difficult to select between data elements/indicators with similar names

Data

Data elements

[All data elements]

Totals

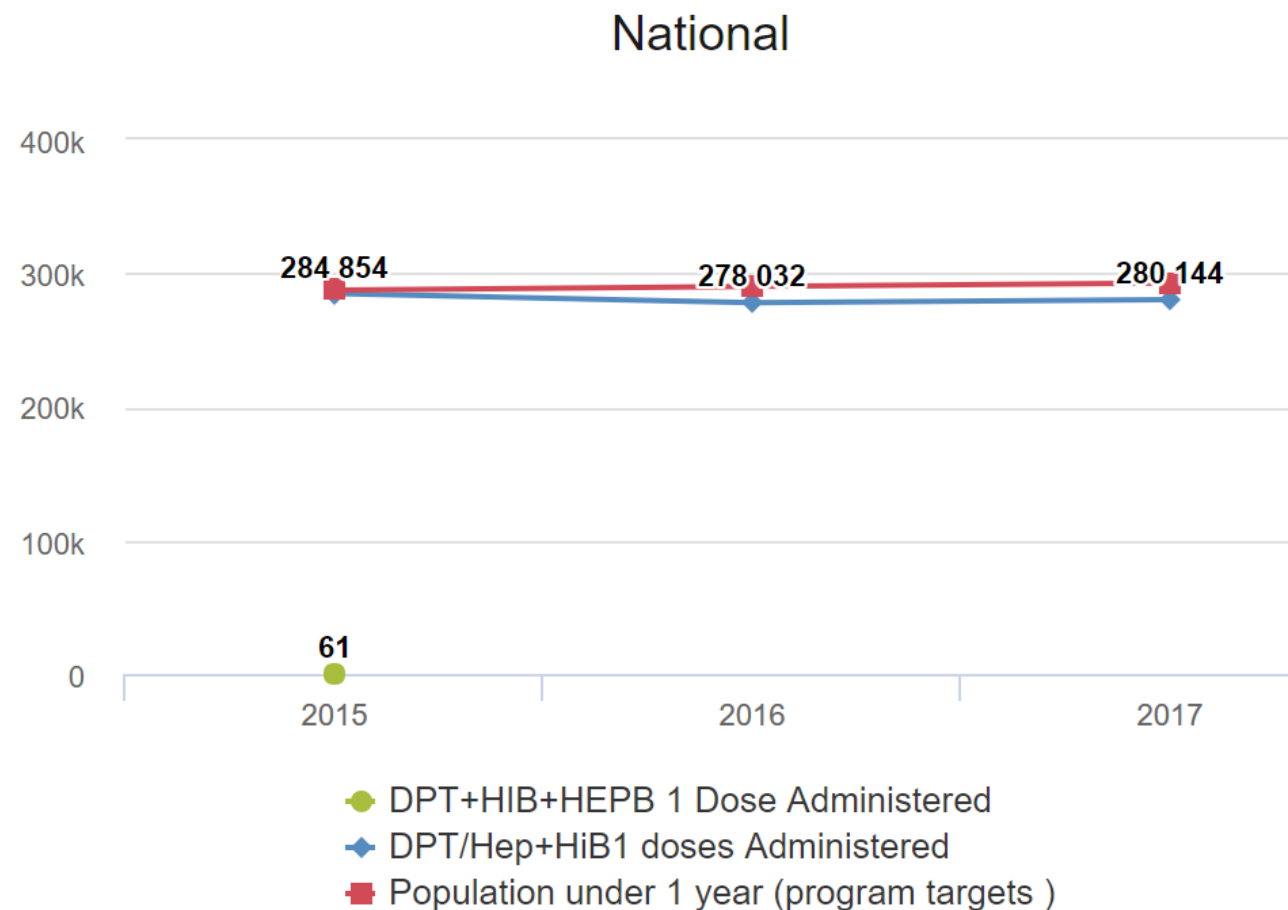
DPT

> >> << <

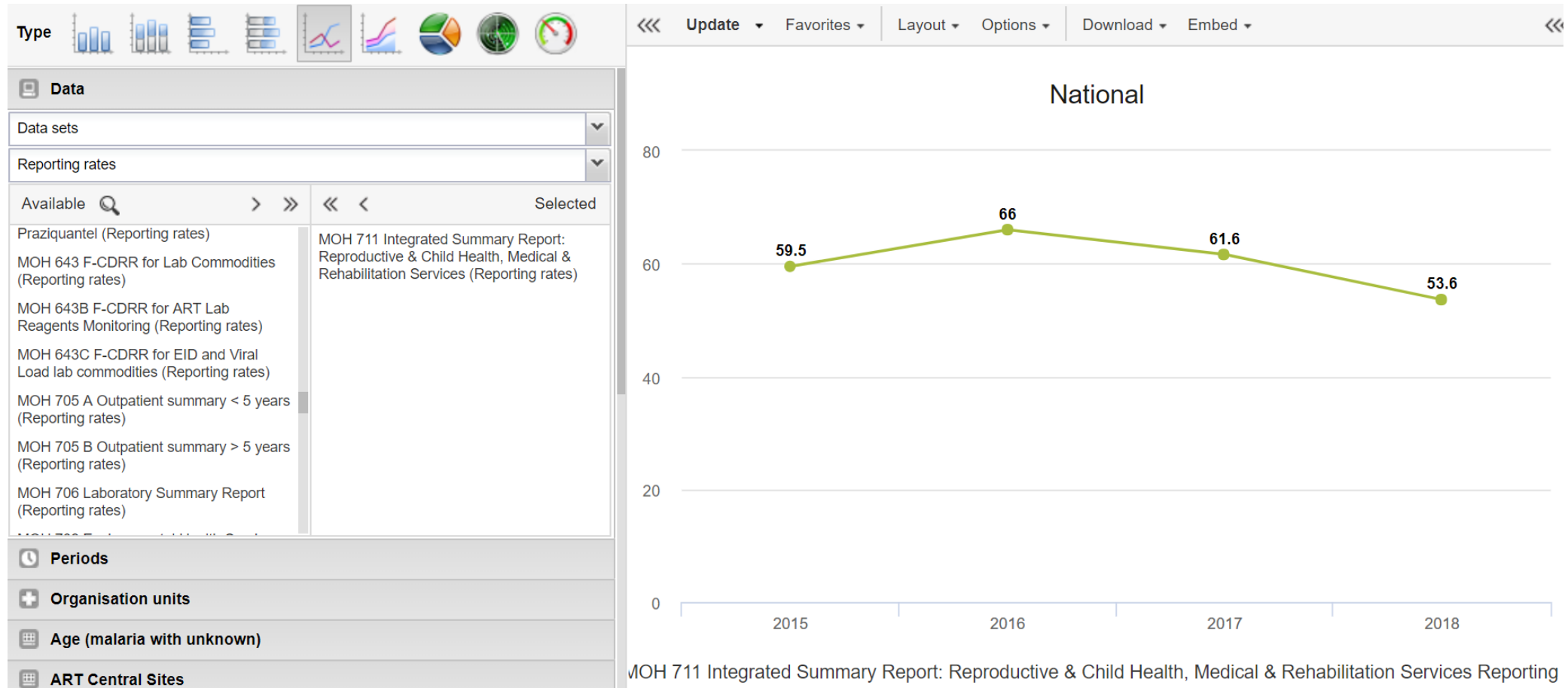
Selected

DPT+HIB+HEP B doses in stock at the beginning of the Month	DPT+HIB+HEPB 1 Dose Administered
DPT+HIB+HEP B doses received within the Month	DPT/Hep+HiB1 doses Administered
DPT+HIB+HEP B doses remaining at the end Month	
DPT+HIB+HEPB Antigen	
DPT+HIB+HEPB 2 Dose Administered	
DPT+HIB+HEPB 3 Dose Administered	
DPT+HiB+HEP B No. of children vaccinated during the month	
DPT/Hep+HiB2 doses Administered	
DPT/Hep+HiB3 doses Administered	

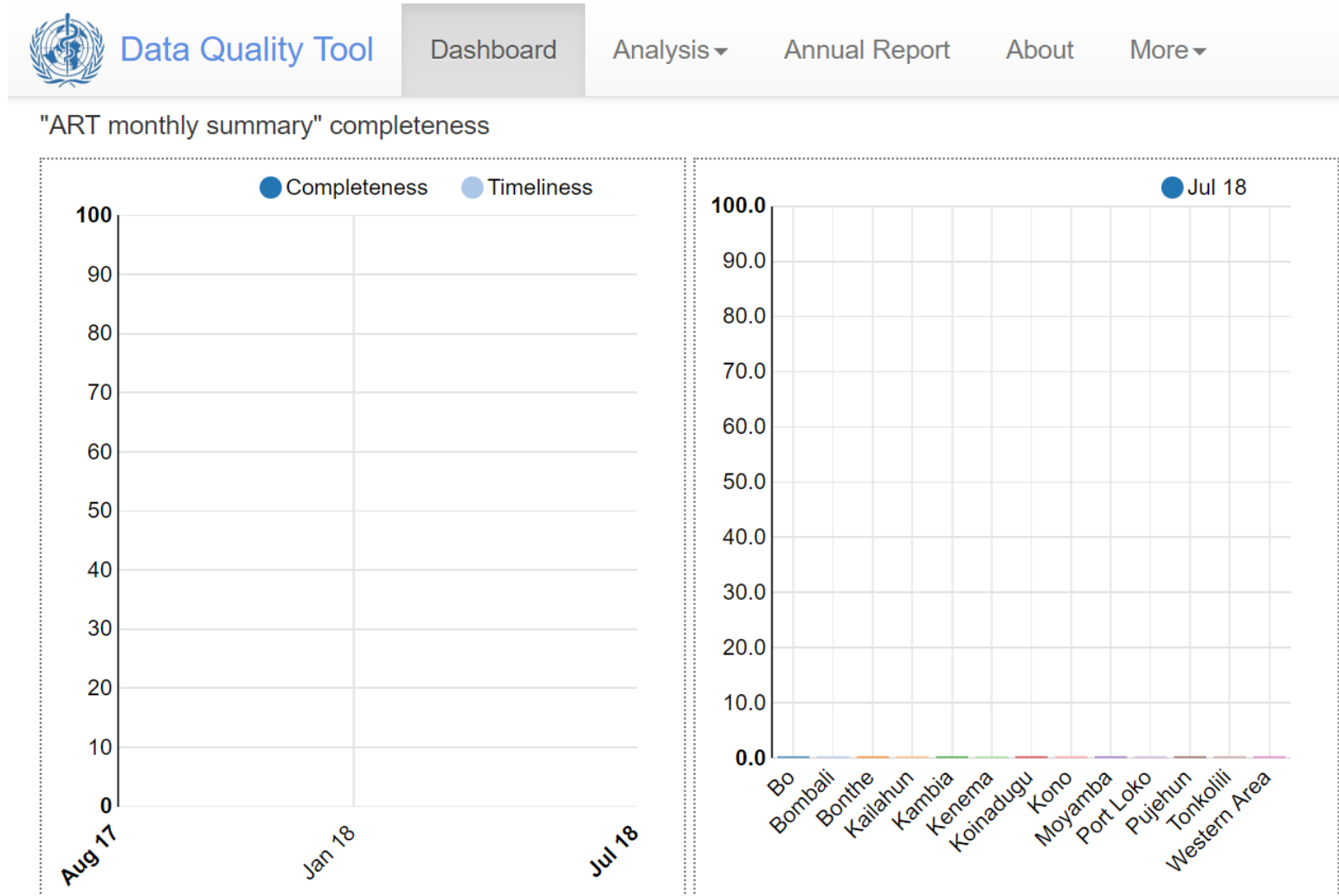
Use a DHIS2 chart to quickly screen for the best data element



Challenge #6: The best available data element may be imperfect



Challenge #7: DHIS2 may not reliably reflect the reporting completeness of imported data sets



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obaṭa stutiya

(thank you in the Sinhala language)

Exercises:

1. Complete the Table to select the best data element / indicator
2. Map the numerators to DHIS2 data elements / indicators
3. Configure the Numerator relations