Data Quality Review (DQR) Desk Review Tools and Methods Workshop

Session 2: Installation and Configuration of Tools

DHIS 2 Data Quality App and Excel-based tool

World Health Organization

The Global Fund

JSI

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MEASURE Evaluation

Learning Objectives

During this session participants will:

- Learn how to install the DHIS2 app from the DHIS2 "app store".

- Know system requirements for use of the tools

- Learn to configure the core indicator set, including selection of appropriate indicators and data tables

- Lean to configure the Excel-based tool for different country-specific scenarios

- Learn to set benchmarks for quality in the tools

- Learn to set up comparisons between related indicators

- Learn to select the appropriate methods for identifying outliers

- Learn to configure comparisons for external consistency

- Learn to configure a comparison of denominator data sources

- Practice setting up DHIS2 Desk Review app and Excel-based tool for country use
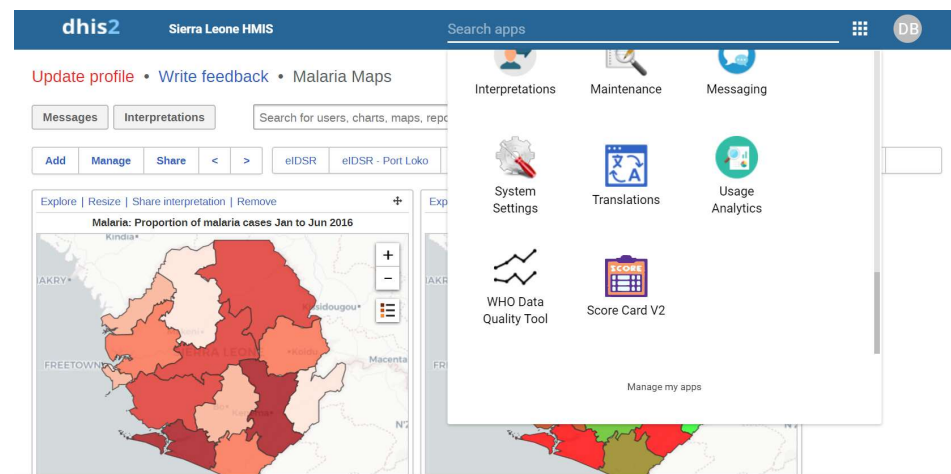
Install the WHO Data Quality App

- From the DHIS 2 home page for the local instance of DHIS 2, navigate to the app store and select the WHO Data Quality Tool.

- Once the app has downloaded a yellow "up arrow" will appear next to the app in the app manager.

- Click to "install" the app on the local instance.

- Once installed the app should be available in the apps section of DHIS

Configuration of DHIS 2 app

- Once the DQR app is installed it requires configuration for the analysis.
- Configuration involves
  - selecting the appropriate indicators for the various analyses,
  - setting quality benchmarks,
  - selecting the different types of comparisons that will be made.
- A dashboard can also be set up to automatically display the results of analyses configured during the setup process.

Configuration of the DHIS 2 app

- Configuring the DHIS 2 DQR app requires detailed knowledge of the data structure for the local instance of DHIS 2 in country.

- Often there are several data tables with information that can inform the data quality metrics, some more complete, or appropriate than others.

- Data elements in the DHIS 2 may be disaggregated (e.g. by gender and age) and new indicators may need to be created to evaluate the indicator holistically.

- Ensure that sufficient expertise is available to configure the DHIS 2 DQR app in advance of conducting the analysis.

Configuration of the DHIS 2 app

SESSION 2

Installation and configuration of tools

- Once the tool and dashboards are configured they can be updated periodically with current data to appreciate the changes in data quality over time.

- In fact, different users can configure their own dashboards for whatever level or region desired.

- Thus the tool can serve as a powerful source of routine information on data quality for program and data managers throughout the health sector and at different levels.

Practice –
Configure
the DHIS 2
WHO Data
Quality app

SESSION 2

Installation and
configuration of tools

Exercise - Configure the DQR Desk Review Tool for analysis (Excel and DHIS 2 app)

Your instructor will walk you through:

- Brief demonstration of the tool

- Configuration of a handful of indicators

- Setting quality thresholds for data quality metrics

- Setting comparisons for consistency over time, and between related indicators