

Data Quality Composite Score Tool

The *Data Quality Composite Score Tool* is a toolkit designed by Data.FI to automatically evaluate the data quality score of HIV data from organizational units supported by the President's Emergency Plan for AIDS Relief (PEPFAR). The tool is simple to use and provides data quality scores (DQS) in three dimensions: completeness (measures the number of submitted records against the number of expected records), coherence (measures the number of cases when an indicator numerator is greater than its denominator), and consistency (measures the number of outliers). The tool has been designed to work with data from any other data collection tool or software, as long as data are prepared and pasted in the import template in the required format.

The tool is available in English and French, and consists of three parts:

- (1) **Excel DQS tool**
- (2) **DQS import template**
- (3) **Rules for inconsistency decisions in the consistency worksheet of the DQS Tool**

The tool was designed for technical staff working on data quality in a range of settings, at low cost. It is intended for use by staff above the facility level to assess data quality *before* expensive investments in audit processes in the field.

This tool can be used also at the facility, community, and other levels. It has been used in various countries to examine the quality of HIV weekly high-frequency reporting (HFR) data for various indicators, and has many potential applications. It could be used to assess quality of data reported by facilities to compare performance over different time periods—including post-intervention—to identify data errors, to inform procedures to improve data quality, and more.

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