



FP DataPro: Standardize, Maximize, Customize



FP DataPro is the first DHIS2 app to be developed for family planning (FP) and maternal and newborn health (MNH). This app serves as a “one-stop shop” within DHIS2 for data quality review, automated analysis, and intuitive data visualizations to support program monitoring and decision making. FP DataPro provides users with the tools to interpret performance, follow-up on data anomalies, identify areas for improvement, and share insights and standardized reports with colleagues at all levels of the health system quickly and easily.

How is FP DataPro Different?



Commonly, routine data are exported from DHIS2 to Excel or PowerBI to produce analyses and data visualizations through external systems. This introduces the opportunity for error, and inherently limits the timeliness of the analyses. Further, the resulting analyses and visualizations are not automatically available to those who input the data. By integrating these analytic capabilities directly into DHIS2 through the FP DataPro App, the dynamics of this typical approach are shifted, and opportunities for data strengthening and use are expanded. Both the data and analyses are centralized in DHIS2, ensuring uninterrupted access and control for the government, a change from reliance on external dashboards supported by individual time-bound donor-funded projects.

The Government is positioned as the data source and expert. When implementing partners export service statistics from DHIS2 into external dashboards, the partners become the source of data and analysis rather than the Government. *With FP DataPro, the Government is the central source to whom stakeholders come for official data.*

All DHIS2 users have access to the data they work hard to collect and input and the analyses and visualizations that can help them monitor their work. When analysis is external to DHIS2, Partners also select the dissemination channels and timing and the results are not available to all DHIS2 users, especially those at lower levels of the health systems. *With FP DataPro, the same integrated analyses available to system users at the national level can be available at the subnational level. Because the analytic functions are built-in and automated, users need not be data experts to effectively monitor programs.*

Analyses and visualizations are timelier and more accurate when generated within DHIS2. Routine data is, and should be, dynamic. Data are constantly changing in response to corrections from routine data quality review and ongoing reporting. The moment data are exported from the system, the analyses they inform are inevitably dated. The export process also introduces an opportunity for error, further impacting accuracy. *Because FP DataPro’s analytics and visualizations are completely internal to DHIS2, they are always pulling from the latest data and the potential for error in transfer is removed.*

An integrated data quality review process can improve data and increase efficiency. In a standard DHIS2 set-up, data quality components are separated from the data itself. *FP DataPro integrates a data quality review into the process of using FP service statistics, making identification of data outliers easy and facilitating follow-up down to the facility level, increasing efficiency, and promoting communication between program and monitoring staff.*

FP DataPro maximizes DHIS2 data elements to calculate innovative new indicators that help governments get the most out of the data they already collect. *Using existing DHIS2 data elements, FP DataPro calculates innovative new indicators like Estimated Modern Use (EMU), and the Proxy Availability indicator, allowing programs to yield more insight from their routine data.*

The easy production of automated reports and standardized graphics, maps, and presentations ensures that the same information, in the same format, is quickly available at multiple levels. *FP DataPro’s efficient automation of routine reporting and graphic generation can free up staff time in under-staffed programs for more nuanced analysis and make data sharing across all levels of the health system easy and standardized.*

STANDARDIZE data metrics to improve measurement, reliability, validity, and usefulness.

MAXIMIZE your existing DHIS2 data elements to calculate innovative indicators like Estimated Modern Use.

CUSTOMIZE priority indicators, performance snapshots & automated templates for efficient routine reporting.

FP Data Pro allows users to think critically about program progress and make data-driven decisions:

- 🌐 Since our last survey, has our trend slowed down, stalled, or accelerated? *What does that mean for our programming & investments?*
- 🌐 Are the disaggregated data showing progress in our programmatic priority areas?
- 🌐 Are there significant inequities in performance by age and geography?
- 🌐 Are our service statistics of good enough quality that we can rely on their signals?
- 🌐 Are our service statistics measuring what we think they are measuring? For example:
 - *Was the change in volume of services from the 1st to 2nd quarter a real change or was it a data issue?*
 - *Where should I prioritize supportive supervision?*
 - *Which facilities and subnational levels show the most improvement in ANC coverage? In ANC1 timing?*
 - *Do commodities dispensed to clients correlate well with data on client visits?*
 - *Is there good consistency between ANC1 and TT1/IPT1?*

Different Users Have Different Data Needs

Data can be overwhelming when you need to quickly find the most relevant information for you and your work. A Senior decision maker may want a snapshot of high-level priority indicators and progress toward targets, a quick view of stock-outs, or subnational variation. Policy makers may rarely read standard printed reports but need ad hoc information on the program, while a Monitoring and Evaluation (M&E) Officer needs to drill down for more detailed information on gaps in coverage, insight into data quality issues, or combine indicators to focus in on a targeted or priority program area. FP DataPro is organized to allow the user to quickly access data at the level of detail most useful and relevant to their work in clear, concise displays. It also permits users to develop their own unique data visualizations, maps, and reports in the interactive analytics area.

Integrated FP & MNH Dashboard



This combined space is the entry point of the application that provides the user with a quick, high-level snapshot of the status of the custom priority indicators selected by the country during the set-up process. The graphics provide several ways to look at coverage for both FP and MNH programming and the latest Data Quality Review (DQR) scores. In the Reports area, the user can access their customized templates to quickly generate reports with the latest data.

Summary Dashboard



Designed with higher-level decision-makers in mind, this dashboard provides a snapshot of current (monthly) progress on key indicators with options to check against benchmarks and explore trends and regional variations to drive further analysis. Understanding what indicators are changing can point to areas of strong performance or areas that need attention and reporting rates provide signals on data quality.

Analytical Dashboard



For program staff and M&E Officers, the Analytical dashboard is a space to take apart the high-level indicators to understand how differences in location and time are playing a role in achievements and how achievements compare with external benchmarks. They can also see what the data tell them about barriers to growth/change and shifts in programmatic priorities being observed at lower levels.

Data Quality Review



The quality review process flags unexpected data points or trend changes for easy follow-up and action. An overall data quality score is calculated based on the standard data quality metrics: Completeness and Timeliness, Internal Consistency, and Internal Consistency Correlation.

Map Visualization



A space where all available DHIS2 data can be accessed, and users can create their own map visualizations to compare indicators across subnational areas.

Standardize, Maximize and Customize your data in DHIS2 to better inform decisions with **FP DataPro**.