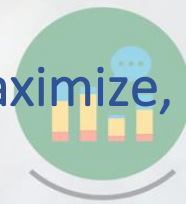# FP DataPro: Centralize, Maximize, Standardize

FP DataPro is the first DHIS2 app to be developed specifically for family planning (FP). 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. Originally developed with a focus on FP data, the app also supports Maternal and Newborn Health (MNH) data and programming in recognition of the interplay between these types of services and programs.

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 is 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. The moment data are exported, the analyses they will inform are dated and the opportunity for error is introduced during the export process. *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 combines DHIS2 data elements with survey data and adjustment factors to calculate innovative new indicators that help governments get the most out of the data they already collect. *FP DataPro maximizes existing data to calculate innovative indicators like Estimated Modern Use (EMU), and the Proxy Availability indicator, allowing programs to yield more insight from existing data elements.*

The easy production of automated reports and standardized graphics, maps, and presentations ensures that the same information, in the same format, is available at multiple levels. *FP DataPro's efficient automation of routine reporting and graphic generation can free up staff time and make data sharing easy and standardized.*

CENTRALIZE data input, quality review, analysis, visualization, reporting & sharing all within DHIS2.

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

STANDARDIZE data sharing with automated reports and graphics available to all DHIS2 users.

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, stayed the same, 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?
- 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?*
  - *Which sub national levels, which facilities are driving the change?*
  - *Do commodities dispensed to clients correlate well with data on client visits?*
  - *Where are we seeing stock outs of commodities and how does this correlate to service performance?*
- What are the most strategic and efficient *geographic* investments we can make in supportive supervision, in capacity building to improve performance?

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, while a Monitoring and Evaluation (M&E) Officer needs to drill down with 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 priority indicators. 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 explores 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, how achievements compare with external benchmarks, the barriers to growth/change, and shifts in programmatic priorities being observed at lower levels.

Data Quality Review

The validated review process flags unexpected data points or trend changes for easy follow-up and action and 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.

FP DataPro is available for download now on the DHIS2 App Hub.
Contact Track20 to discuss the configuration process for your DHIS2 environment.