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## Background

The Nigeria Government has made efforts to improve client-level family planning data collection, management and analysis, through the implementation of the National Health Data Dictionary and National Minimum Health Data Set. However, issues such as inaccurate data, limited technology, inadequate funding and high staff turnover continue to hinder the effective collection and use of client-level data in family planning programs in Nigeria.

In Nigeria, the Adolescent-360 Amplify (A360) project is being implemented to improve sexual reproductive health of adolescent girls and young women by enhancing access to, and voluntary use of, modern contraceptives at primary health care facilities.

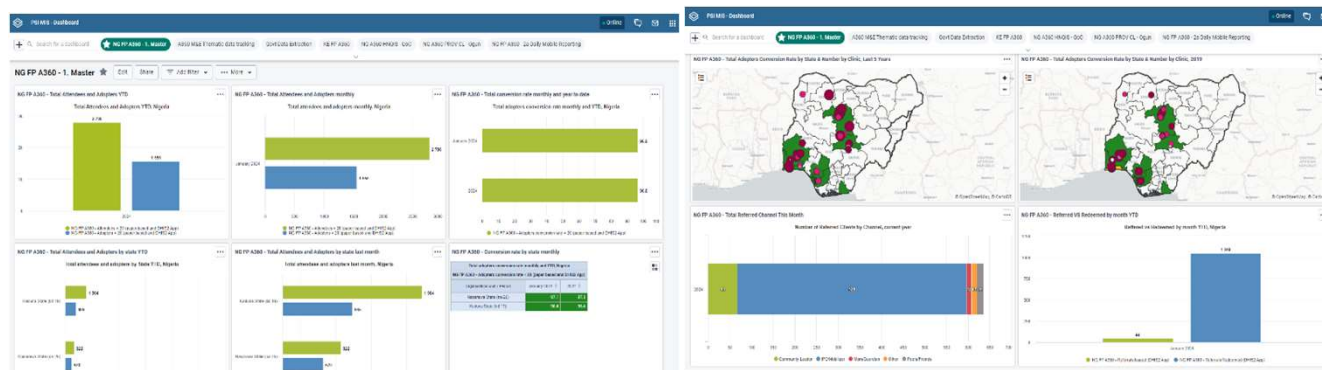
## Method

The project team designed a DHIS2 service and attendance log with a customized user interface to capture facility attendance, demographic data, counselling and contraceptive uptake information for all clients offered counselling and FP services. FP Providers were trained on the DHIS2 data base application, data capture and reporting features of the customized modules. The application was deployed in 77 primary healthcare facilities.

Clients' data are first captured on facility forms and registers, these are then inputted in the DHIS program module using project-assigned handheld android devices and subsequently synced to DHIS2 server.

## Results

- Improved data quality: The fit-for-purpose design enables for complete and accurate capture of adolescent client-level data. Routine data quality assessment score was ~90% where DHIS2 is being utilized to capture client level data versus ~75% where the application is not being deployed.
- The real-time data analysis and visualizations; built-in indicators enabled data summaries while the data visualization dialog enables quick charts and tables in the dashboard window. These features support the project team in tracking achievements, and aids in identifying key areas of improvement for enhanced clients' outcomes.



A360 project FP service dashboard showing visualization for decision making and reporting.

## Implication to program:

- Enhanced programmatic reporting, supervision, support and accountability; the program modules enable online sharing of program data and reports with accompanying observations/comments. Data summaries and visualization enables program managers to provide instantaneous feedback to staff at service delivery points, thus fostering a culture of accountability for program outcomes and care provided to clients.
- Improves decisions making, program planning and implementation; the real-time, online data enables program planners and service providers to prioritize activities, allocate resources and timely services.