



The Union

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TRANSFORMING EVIDENCE INTO PRACTICE

Conflict of Interest Disclosure Form



I have no Conflict of Interest to report.

I have the following Conflict of Interest(s) to report:

Please tick the type of affiliation / financial interest and specify the name of the organisation:

- Receipt of grants/research supports: _____
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Improving TB Data Quality with Interoperability and Data Exchange in Nigeria

A. Hassan, J. Kuye, D. Udah, O. Bakare, E. Olashore, O. Daniel, O. Chukwuogo, K. Oyediran, C. Anyaike, R. Eneogu.

Overview of TB DIAH Project



Supports the National TB program to achieve equitable, comprehensive, and patient-centered prevention, treatment, and care services for the affected and underserved populations in Nigeria

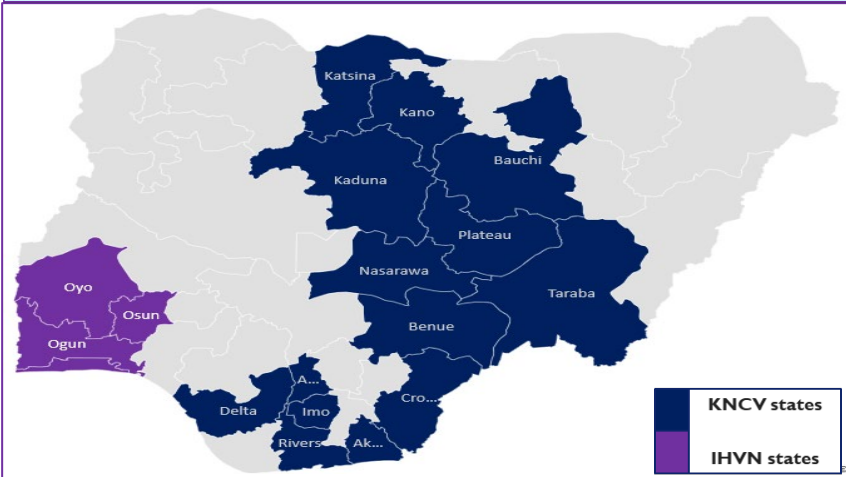


Implements TB interventions ranging from facility-based to community level services using a wide array of diagnostic platforms and digital technologies to generate granular data along with TB cascade of care



A mechanism of USAID that provides a data management backbone and infrastructure to support the NTBLCP, the Mission, and the implementing partners to promote data demand and use and to make informed decisions among stakeholders

18 USAID/TB LON supported states



Population: 223 million (World Bank, 2023)

Number of states and subregions:
36 states and a Federal Capital Territory grouped into 6 geopolitical zones

2022 Annual case notification: 285,561

TB treatment coverage: 59%

Background



- Data interoperability avails opportunities for aggregating and harmonizing diverse datasets for seamless analysis and performance reporting
- Prior to the TB DIAH project, the TB LON project's data management system was challenged by:

Unharmonized intervention nomenclatures among the TB LON IPs

01

Collection and reporting of data across varied indicators on multiple Excel documents

02

Inconsistent age disaggregation of collected data

03

Approach



Create a standardized and unified Excel platform

Achieved uniformity of indicators, naming conventions, etc.

Transition standardized Excel to APPR

Also transferring data from partners' Excel to APPR

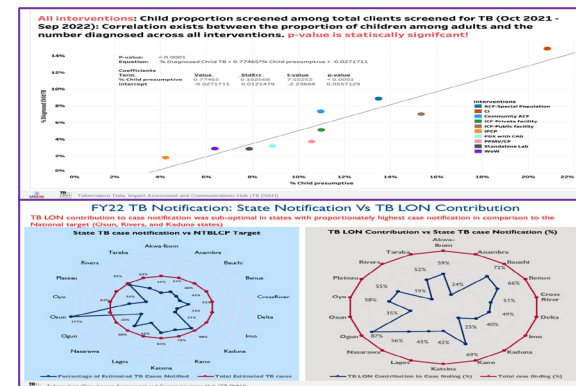
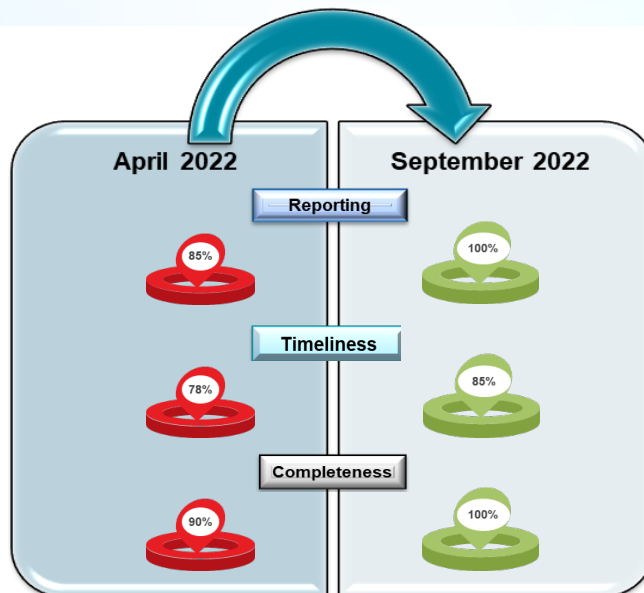
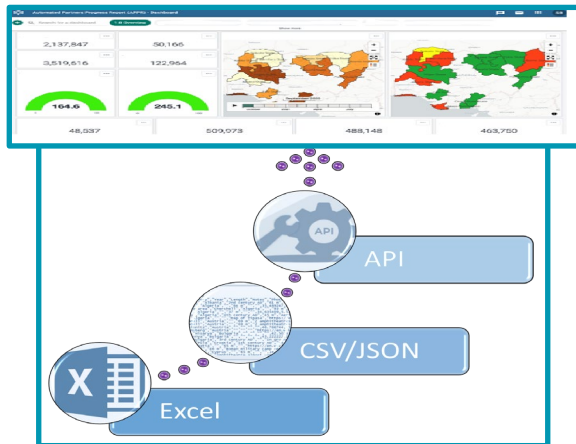
Migrate IP from Excel to DHIS

Migrate the data elements, data sets, and category options to DHIS while partners enter data directly on DHIS 2

Link DHIS with API to the APPR

Dashboards are developed form the Automated Partners Progress Report

Results



Phased out data entry updates on Excel while previously reported Excel-based data were extracted to the APPR

Between April and September 2022, the reporting rate increased from 85% to 100%, the completion rate moved from 90% to 100%, and timeliness increased from 78% to 85%

Showcase cascade analysis of the different interventions implemented by the TB LON projects which are the priority indicators contained in the USAID performance-based M&E framework

Results and Opportunities



The effects of the data management support and innovation has contributed to the following:

Data quality

- Improved timeliness of reporting
- Improved data accuracy and completeness
- Improved reporting rate

Data demand

- Data transparency and data integrity
- Data availability and data granularity
- Rigorous data reviews and analysis and visualization
- Promoting high frequency reporting

Data use

- Better understanding of program needs
- Course correcting
- Improved program learning
- Sharing of best practices

Opportunities

- Increased TB case finding
- Advances in the use of innovative technologies
- Expanding use of digital solutions/technologies within the TB space
- Facilitating robust interaction with TB stakeholders
- Data-driven program planning

Conclusions

The unification of data platforms through health information exchange is helpful in standardizing data systems, improving data quality, facilitating data reporting, and frequent and regular interactions among stakeholders.



Thank you!

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