



AMP 2025 ANNUAL MEETING

USING DIGITAL PLATFORM FOR EFFECTIVE ITN DISTRIBUTION IN LIBERIA

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OUTLINE

- Political profile and Malaria situation
- Background
- From paper-based to digitalization
- Campaign digitalization
- Achievements/Best practices
- Challenges and mitigation methods
- Recommendation

Political Profile of Liberia

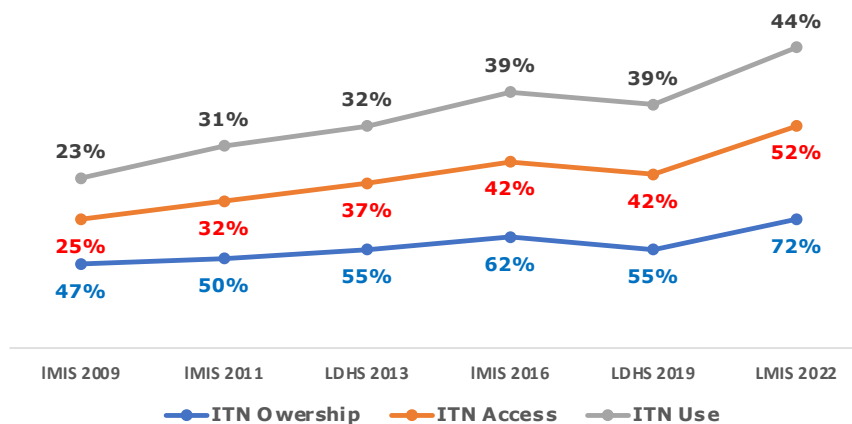


- Liberia is a west African nation
- Liberia is divided into 15 political sub-divisions and 98 Health Districts
- Projected 2025 population of 5,737,021

Malaria Situation in Liberia

- Malaria is endemic in Liberia with the entire population at risk
- Malaria accounts for 34% outpatients' attendance and 23% of inpatients' deaths in Liberia
- Malaria prevalence is 18% and 10% using mRDT and Microscopy respectively (LMIS-2022)
- Four rounds of ITN mass campaigns have been conducted since 2015 with the recent (2024) digitalized

Trend of ITN Ownership, Access and Use

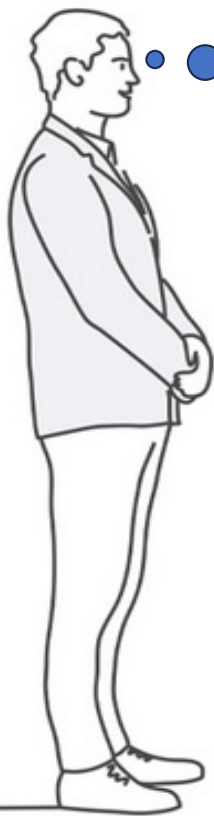


BACKGROUND

- During the past three (2015, 2018 and 2021) campaigns, Paper-based forms were used throughout
- Various forms (household Registration, supply-chain and distribution) were printed and used for data collection, collation and reporting
- Summaries forms were used for the collation of campaign aggregated data
- Data Managers were the sole authority of the campaign data
- Even with the use of KoboCollect application, only the data managers had access to the data. What they reported were final

Paper-Based Major Challenge

Campaign Manager



I have a meeting in few hours, can you provide data on the progress of the campaign in your county?

County Supervisor



Okay, Let me contact my Data Manager and will get back to you in an hour

Difficulty in getting immediate and/or reliable information

Digitalization of Liberia 2024 ITN Mass Distribution Campaign

- Campaign's digitalization partners was eGovernment Foundation
- The Liberia Health Campaign Management (HCM) platform powered by DIGIT was deployed for the 2024 campaign
- The ManageEngine (mobile device management) software was used to manage and control the digital devices
- Components digitalized were:
 - Household Registration (HHR)
 - Supply-chain
 - Distribution
 - Monitoring and supervision
 - Training Attendance

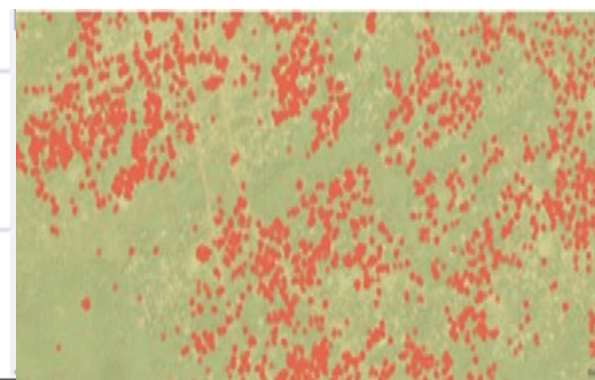
Real-time Availability of Household Registration (HHR) and Distribution Data



Use of gadget during HHR



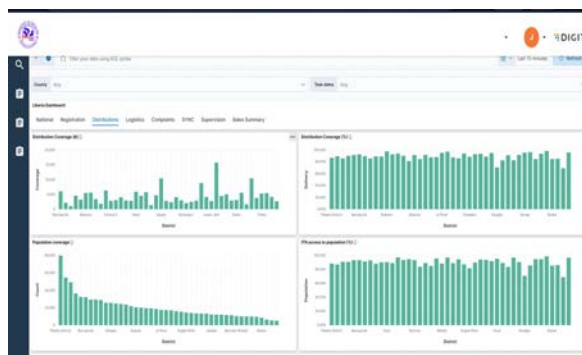
Dashboard display during HHR data



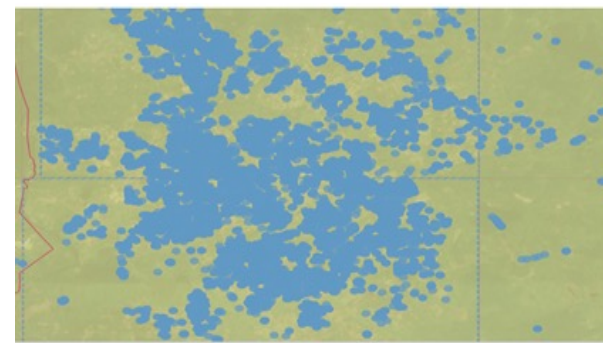
Geo points of HHR data



Use of gadget during Distribution



Dashboard display of Distribution Data



Geo points of Distribution data

STOCK MANAGEMENT

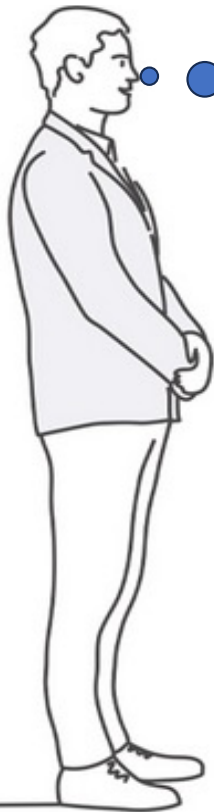
Bale scanning:

- At regional warehouses upon receipt
- At districts' warehouses upon receipt
- Data were synced to the Liberia HCM cloud server which provides information on which county/district each of the bales was received.



Real-Time availability of campaign information

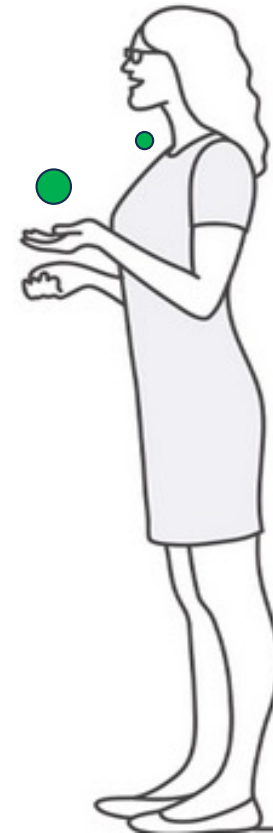
Supervisor



Why are you still lagging behind with your target today

Yes, Sir we are aware.
We have network issues in our catchment areas.
BY mid-night, we will sync our data

Supervisee



From the Dashboard, <http://www.liberia-hcm.digit.org/digit-ui/employee/user/login> supervisor knows the performance of each team/District/county

EVIDENCE/IMPACT OF DIGITALIZATION AND NEXT STEPS

IMPACT OF DIGIT HCM ON THE 2024 CAMPAING

Real-time availability and visibility of data throughout the campaign

Improved accountability of campaign resources

Trained central and country levels staff in the implementation of digital ITN campaign

Country now owns a digital platform that cam be leveraged on by other health programs

Over 90% of ITNs distributed

NEXT STEPS

Seamless data migration (interoperability with DHIS2)

Work with eGov to upgrade the application for a more seamless data collection and down syncing

Continuous use of Liberia DIGIT HCM for future mass ITN distribution campaigns

Address operational challenges

ACHIEVEMENTS/BEST PRACTICE

Coordination: Planning

- Technical sub-committees (Logistics, SBC, M&E and Digital) including the joint Technical Steering Committee (JTSC) were formed
- There were Weekly sub-committees' meetings
- The JTSC was the clearing house of the campaign

Coordination: Implementation

Daily coordination meeting: During the HHR and distribution exercises, daily virtual meetings with all counties were held

Issues (bottlenecks county/district performance) were discussed and resolved. Actions necessary for the success of the data collection were taken.

WhatsApp Groups: WhatsApp groups were formed at all levels (national, County and Districts). Technical issues (application) were discussed and resolved via the groups.

Liberia Helpdesk: National ICT4D and eGov

Regional Helpdesk: National ICT4D and Counties

County Helpdesk: Counties and Districts

Technical Helpdesk: eGov Team

CHALLENGES AND MITIGATION MEASURES

Challenges	Mitigation Measure
Limited training on the use of the application especially scanning of vouchers	Focus was placed on specific personnel to serve as team lead
Unlinked vouchers during HHR which resulted to “match not found” during distribution	Those vouchers were separated during distribution and captured through kobo Collect database for accountability
Poor/lack of internet connective in some counties and districts	During the microplanning, active spots were identified and used for syncing
Same QR codes on multiple vouchers due to printing mishap	<ul style="list-style-type: none"> New codes were generated and attached to households affected and backend delivery was done my eGov
Bale Scanning at districts’ level: <ul style="list-style-type: none"> The nets were already stacked in warehouses before the phones were made available for bales scanning 	<ul style="list-style-type: none"> Bales were unpacked from the warehouses, scanned and reparked

RECOMMENDATIONS



Continuous improvement of the DIGIT HCM platform to suit countries contexts



Liberia to address operational challenges



eGov to focus on Data migration with DHIS2 (enhancement of interoperability)



Upgrade DIGIT HCM to include Microplanning module and others



Improve user friendliness of DIGIT HCM

ACKNOWLEDGEMENTS





THANK YOU