



HIV/AIDS Mobile Supervision Tool (MST)

Fact Sheet



purpose of MST

To improve timeliness, overall data quality and cost efficiency, the Department of HIV/AIDS (DHA), Ministry of Health of Malawi (MOH) and the Kuunika Project initiated the development of a mobile application to digitize the process of the quarterly HIV/AIDS and TB integrated supervision exercise. This has been done through the development of a mobile application called Mobile Supervision Tool (MST).

The Mobile Supervision Tool (MST) is expected to streamline the data collection process and remove the back-data entry process, as well as improve overall data quality and integrity. MST is set to transform the data capture process in the Ministry of Health (MoH).

District Health Information System 2 (DHIS2) Data Capture was chosen as the development platform after assessing different mobile platforms' capabilities, including: offline data entry, ease of update, data syncing, viewing historical data, flexibility, licensing cost and DHIS2 integration.

MST allows the users to utilize the digital tool with mobility, low power dependence and intuitive methods to perform supervision tasks in the field with ease.

Background



Malawi is currently guided by goals outlined in the Malawi National Strategic Plan for HIV and AIDS (NSP) (2015-2020), which aims to achieve the Joint United Nations Program on HIV/AIDS (UNAIDS) 90-90-90 Treatment Targets by 2020.

To accelerate achievement of the 90-90-90 Treatment targets Malawi through the Department of HIV and AIDS (DHA) conducts quarterly supportive supervision visits to all health facilities with HIV service.

Guided by the Malawi National Strategic Plan for HIV and AIDS (2015–2020), the Department of HIV and AIDS (DHA) conducts quarterly supportive supervision visits to all health facilities with HIV services. Standard supervision forms are used to update site information, collect monitoring and evaluation reports, drug stock checks and provide site performance feedback. The paper-based system requires two weeks of manual data entry, data cleaning and verification.

MST Goal

The goal is to develop a mobile tool for theand assignment before the supervision Department of HIV and AIDS that wouldstarts, to merging data from different team adapt to frequent changes that are mademembers devices into one master device for every quarter. A tool that would adhere tothe supervisor to verify before sending to the supervision protocols from form sectioningserver.

key functions of MST

- Pull and store previous quarterly historical data from DHAMIS (Department of HIV and AIDS Management Information System). View data and perform data validation.
- Quality assurance checks to ascertain if the data was collated by the assigned supervisor (and attach supervisor signature).
- View data entry forms in a table format that mimic the paper form.
- Mechanism for offline data sharing between the team members' mobile devices.
- Tally pad that will be used to tally values as the supervisors are counting from the registers.
- API to allow for data exchange between DHIS2 and DHAMIS.
- Defining data sets for data entry forms.
- Mechanism for offline assignment of form sections.

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