

Empowering TB-Affected People to Support Their Treatment & Care During COVID-19

Presenters:

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17 June 2020



Everwell

sureAdhere



wisepill

everwell.org | sureadhere.com | wisepill.com

PROBLEM STATEMENT



TB is curable, however...

Lack of support for TB-affected people to adhere to a burdensome medication regime with personalized counseling can lead to increased costs, mortality, and emergence of drug resistance

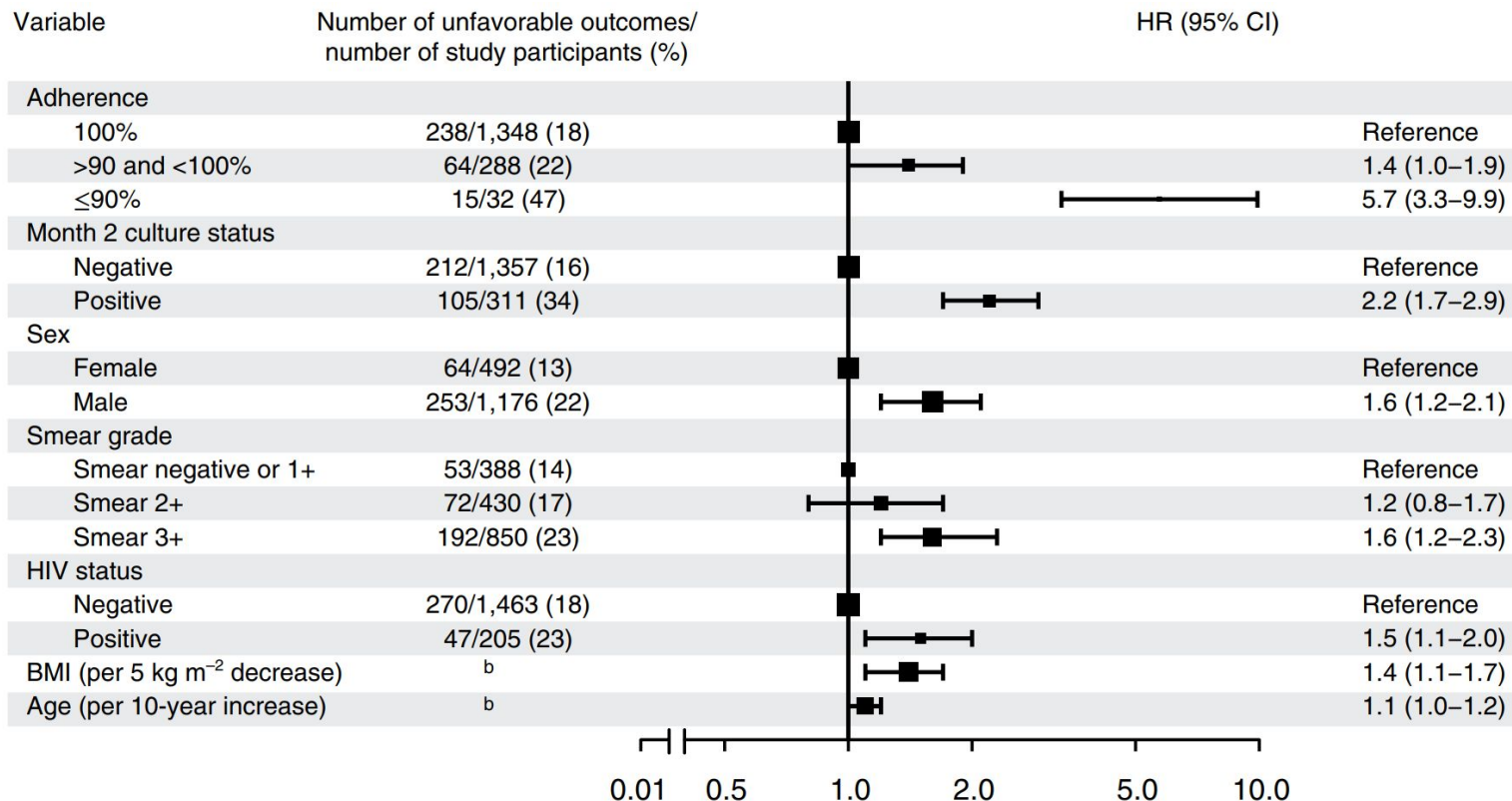


Challenges to supporting adherence

- Side-effects, ADR
- Dosage timing and amount
- Travel burden/ costs
- Timely refills
- Counseling and support
- Differentiated care



IMPORTANCE OF ADHERING TO TB MEDICATIONS



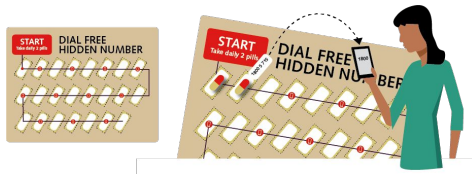
EMPOWERING TB-AFFECTED PEOPLE, PROMOTING CHOICE AND ABOVE ALL ENGAGEMENT AND SUPPORT DURING TREATMENT

DOTS

Family/Community DOTS



99DOTS



2015



VOT



evriMED/MERM

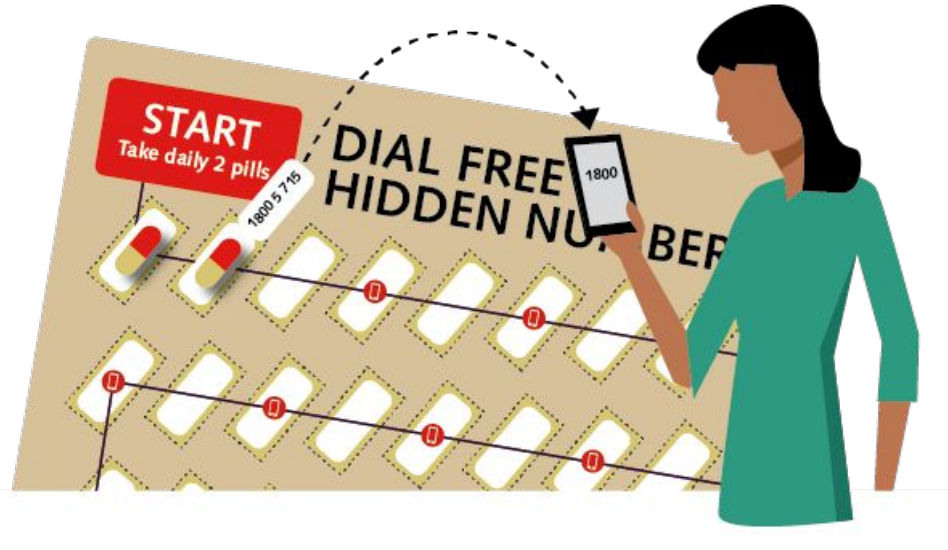


2020

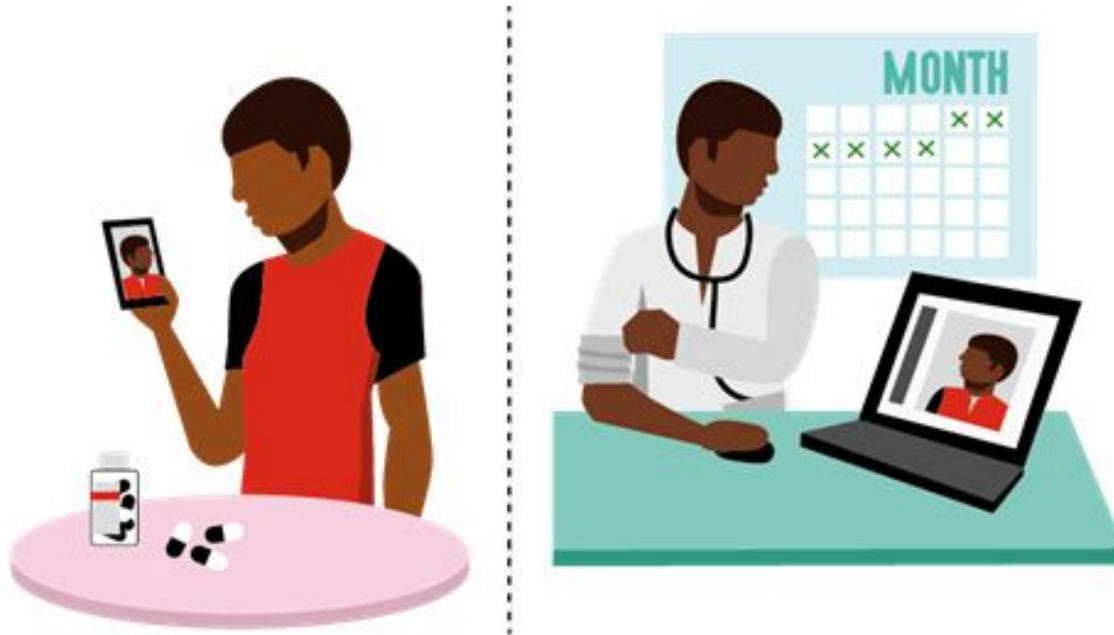


COVID environment makes it even more challenging to engage, and travel or physically meeting between people and providers a barrier

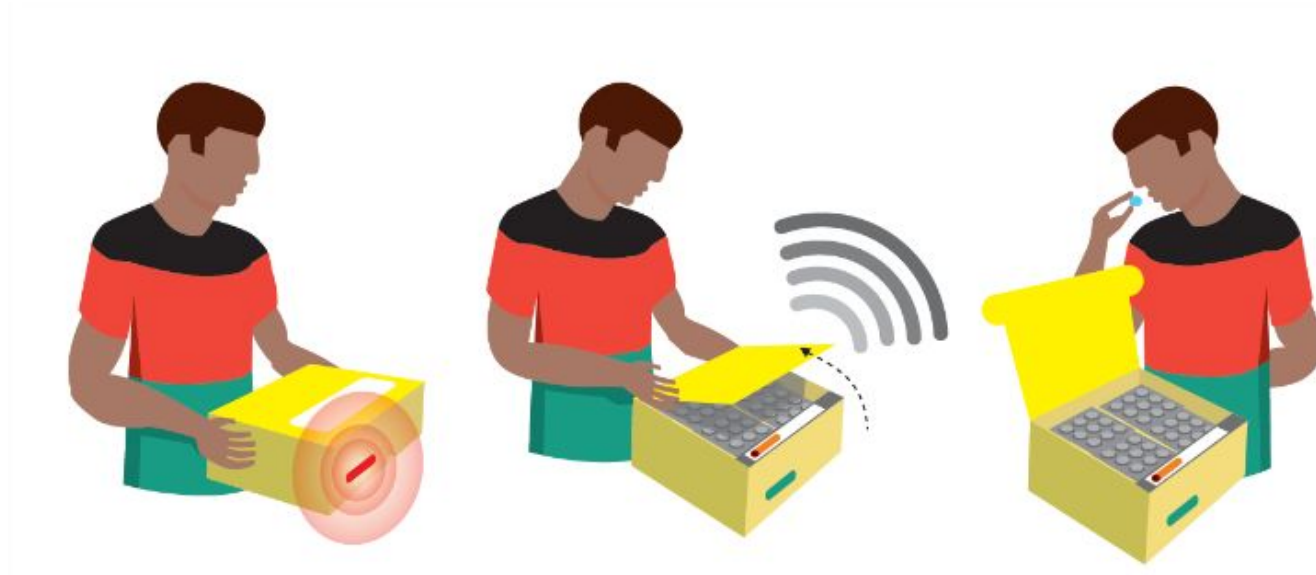
99DOTS



VIDEO OBSERVED THERAPY (VOT)



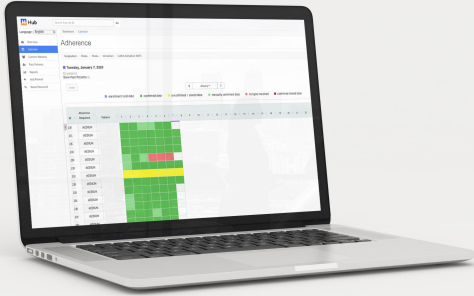
evriMED ELECTRONIC PILLBOXES



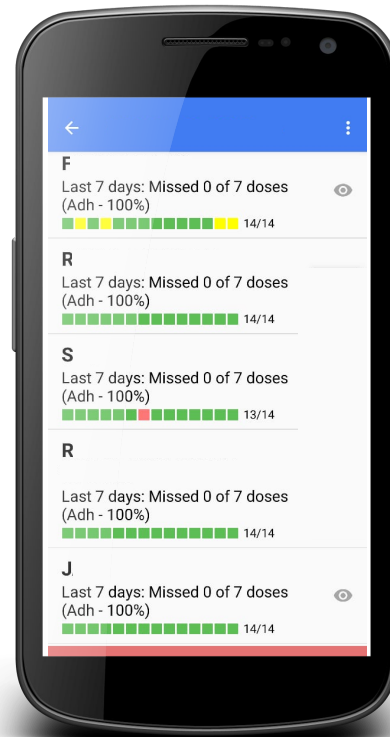
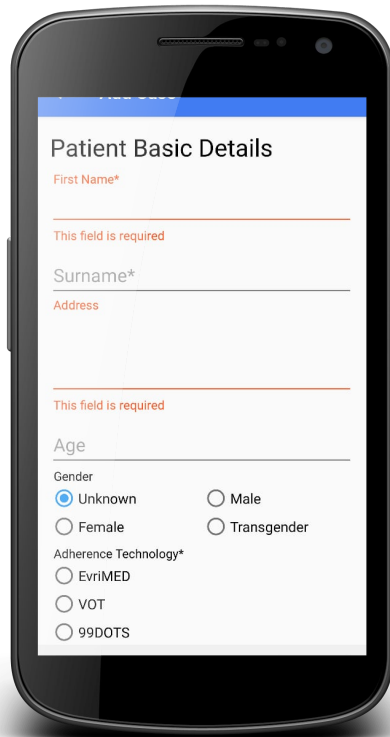
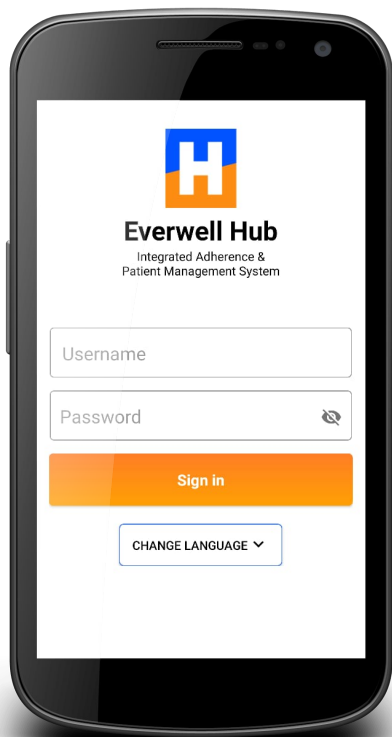


Unified platform with many options for treatment support

Support for Tuberculosis, HIV, COVID, and mental health in various settings



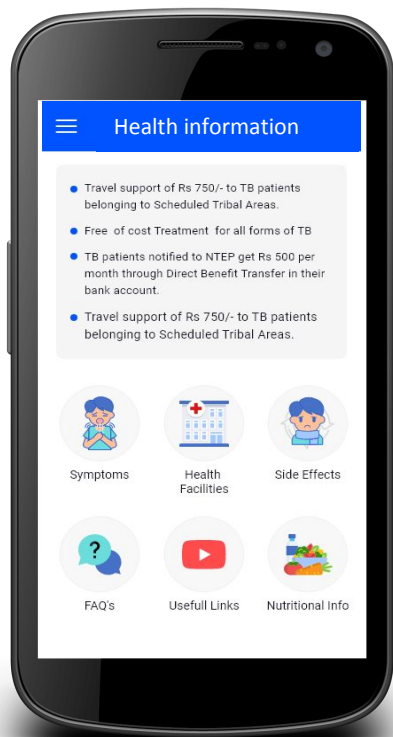
PLATFORM EXPERIENCE FOR PROVIDERS



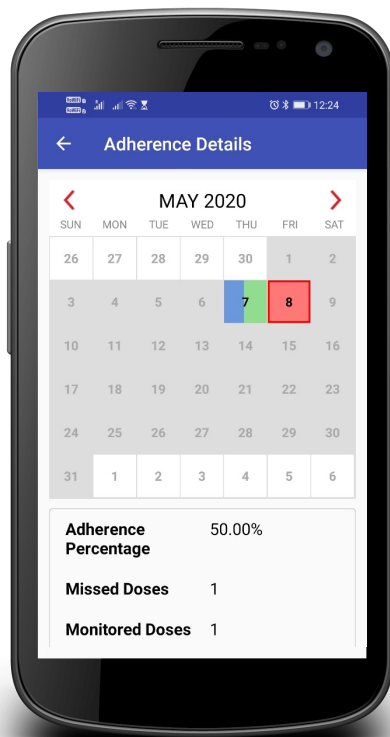
A laptop is shown from a three-quarter perspective, displaying the IBM iLab web application. The interface features a sidebar with navigation links like 'Dashboard', 'Activities', 'Calendar', and 'Reports'. The main content area is titled 'Activities' and includes a calendar view with green and yellow blocks representing scheduled tasks. A list of activities is visible below the calendar, with columns for 'Activity', 'Start', 'End', and 'Status'. The laptop is connected to a power source, indicated by a cable extending from the back.



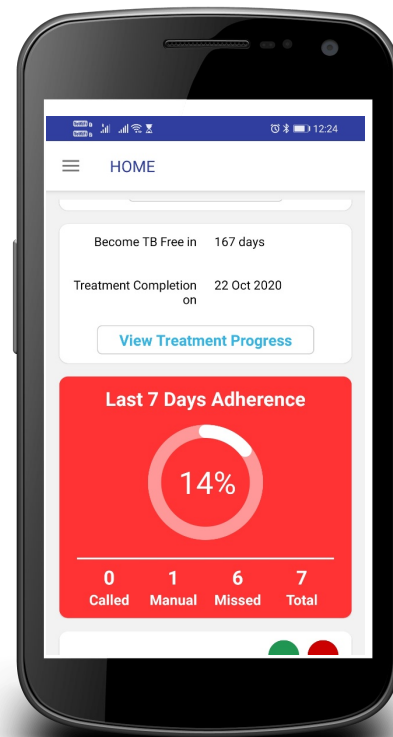
PLATFORM EXPERIENCE FOR PROVIDERS



TB information page



Adherence Calendar



Home Page

DAT-SUPPORTED ENGAGEMENT IN PROGRAMMATIC SETTINGS

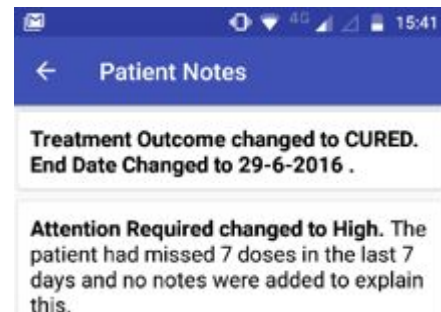
October 30:
Patient registered
on DAT and
given counseling
on proper use

For 13 days, the patient
receives automated SMS
reminders and they have
perfect DAT adherence.

Starting on November
13, the patient stops
engaging despite the
automated reminders.
Their local health care
staff are alerted by
SMS and their
adherence is reflected
in the dashboard as
missed doses as a high
priority case for follow
up.

The health care staff
reaches out to the
patient and found out the
patient had some adverse
reactions to the
medication, and
therefore had stopped
taking medication. The
staff encouraged the
patient on the
importance of adherence
and made a note in the
dashboard.

After the counseling, the patient starts
engaging again daily and successfully
completed treatment and was cured.
Their overall adherence was 94%.



HOW DATs CAN SUPPORT TB-AFFECTED PEOPLE

- **Autonomy**: Person can decide where/when to take their medications
- **Differentiated Care**: Person may receive individualized information, prompted to take action pertaining to their treatment, and/or access treatment information via patient app or SMS.
- **Real-time connection with provider**: Person can communicate directly with health care worker using SMS or mobile application



BENEFITS OF DATs TO PROVIDERS

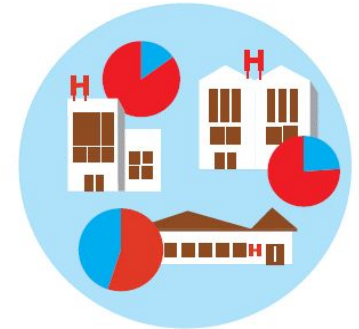
Clinic / Provider Level

- Automated alerts and reporting prompts fast action
- Individual and clinic adherence data helps structure treatment decisions and counseling in real-time
- Aggregate data allows for rapid triage of people under their care, helping providers to quickly determine those who need more support

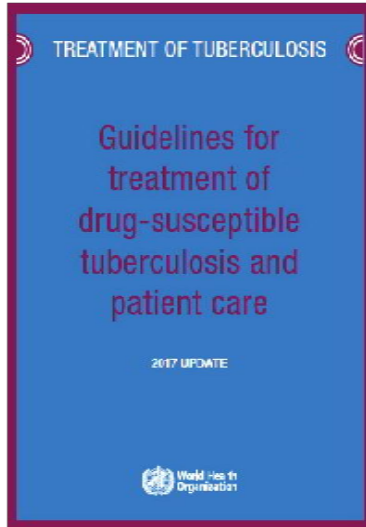


National / Sub-National Levels

- National TB Program coordinators can identify trends and/or compare treatment outcomes between districts or health facilities and rapidly to identify disparities in health outcomes



WHO SUPPORT FOR DATs

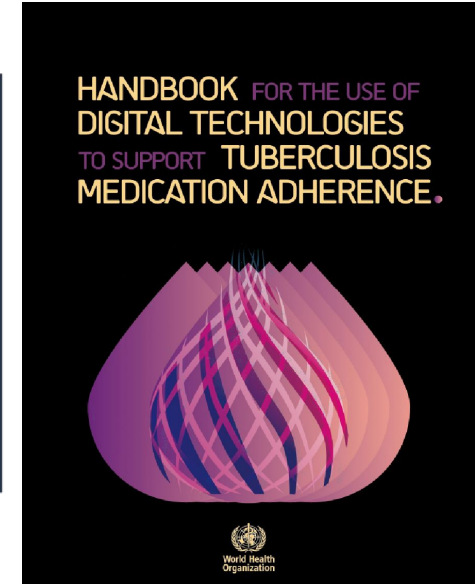


“ The evidence also showed that when patients receiving treatment adherence interventions (e.g. different combinations of patient education, staff education, material support, psychological support, tracer and use of medication monitor) in conjunction with DOT or SAT, the treatment outcomes were significantly improved compared to DOT or SAT alone.”

WHO DS-TB Guidelines, 2017

“ As treatment supervision alone is not likely to be sufficient to ensure good TB treatment outcomes, additional treatment adherence interventions need to be provided.”

**WHO DS-TB
Guidelines, 2017**



SCALE UP OF DATs IN TB CARE

6 COUNTRIES ACROSS THE GLOBE



Everwell

sureAdhere

wisepill



ONGOING DAT EVALUATIONS

20 PROJECTS IN 16 COUNTRIES. APPROXIMATELY 13,000 TB-AFFECTED PEOPLE – DS,
DR



BARRIERS AND CHALLENGES TO DAT IMPLEMENTATIONS

TB-Affected People

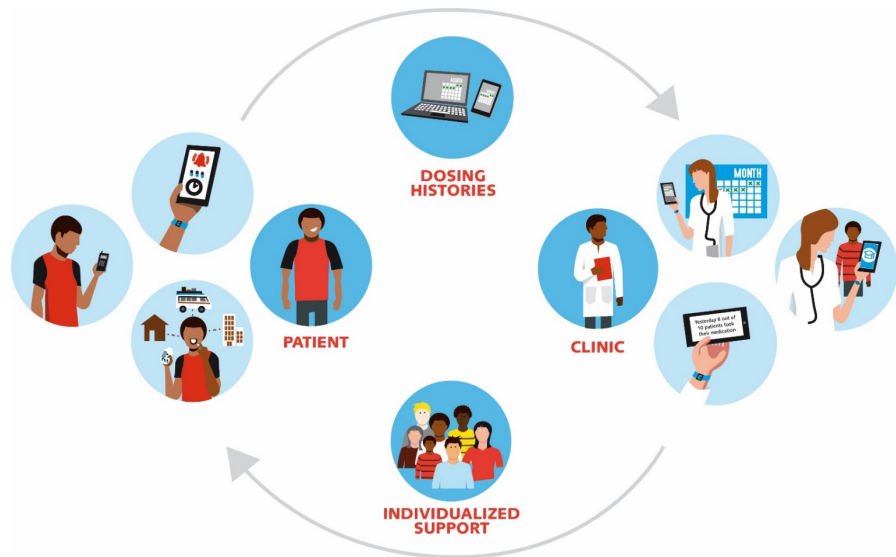
- Access
- Burden vs. perceived benefits
- Appropriateness

Clinic / Provider

- Capacity building, supplement workflows
- Access to devices, connectivity, power
- Ability to act based on information obtained

Program/NTP

- Capacity building and programmatic support
- Data Hosting (in-country vs. cloud)
- Integration with legacy systems



PARTNERS AND COLLABORATORS – THANK YOU!



Contact us for more information, evidence, or experiences with DATs in various settings!

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99DOTS and Hub	VOT and deployment experience	evriMED device procurement