Prevent TB

User Manual

Dashboard

VERSION 1.0

Contents

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Introduction to Prevent TB

Purpose of the document

This document is a complete guide for the users on how to use the Prevent TB dashboard. It contains step-by-step instructions on each of the components of the dashboard and helps guide the user on how the dashboard can be used as a tool to facilitate data monitoring and evaluation under the program.

Prevent TB Components

The Prevent TB platform has the following modules:
1. Web / Mobile Application – Healthcare provider interface
2. Web / Mobile Application – Client Interface
3. Dashboard
4. Smart Setup

This document covers the walk-through of the dashboard.

System URLs

Dashboard URL:

https://uatltbi.duredemos.com/caredashboard/

Modules

The following modules are present on the Prevent TB dashboard:
1. Homepage
2. Pathway
3. Treament Adherence Review
4. Line list
5. Alerts

User Roles

The Prevent TB dashboard offers role-based access. User credentials can be mapped at the level of the administrative unit for which data needs to be visualized. This can include multiple levels, for instance,
1. Health facility level – Data encoded at the level of the health facility.
2. District level – Data encoded across all health facilities in a single district.

3. Province level - Data encoded across all districts in a single province.
4. Country – Data encoded across all provinces in a country.

Languages

The Prevent TB platform is available in all the official WHO languages-

1. English
2. Arabic
3. Chinese
4. French
5. Spanish
6. Russian

The dashboard and the app can also be customized in any other local language using the Prevent TB Smart Setup. This would require a single time effort to add translations for the existing data labels.

Introduction to the Prevent TB Dashboard

Login

1. On accessing the dashboard link, the user is directed to the login page. Use of an incognito or guest window to access the dashboard is recommended for a seamless user experience.
2. To log in, the user needs to enter valid credentials, which contain the following:
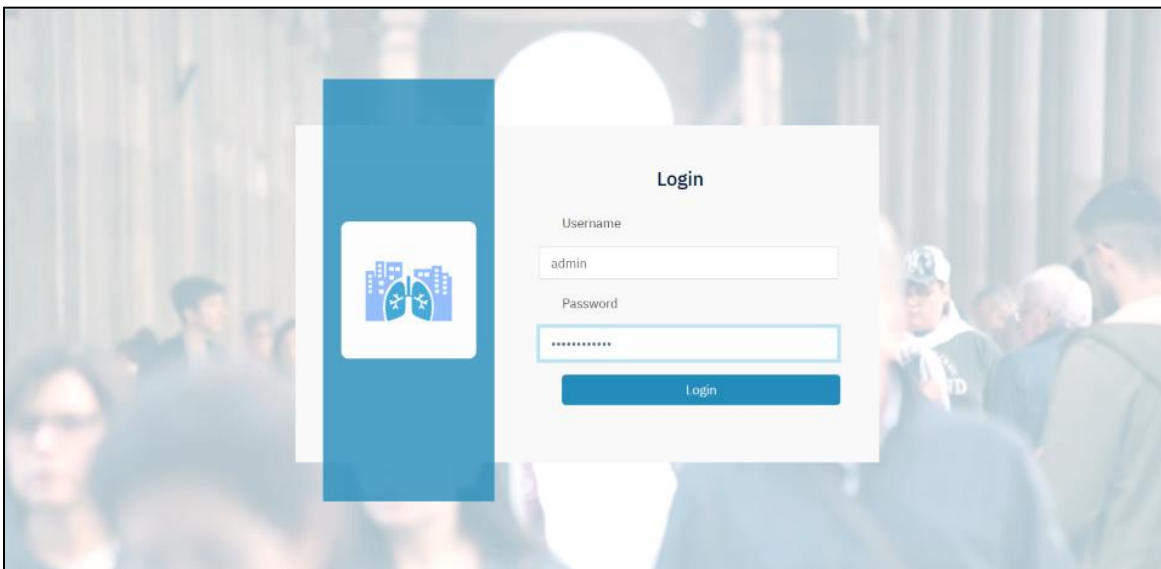   a. Username
   b. Password

Figure 1: Dashboard login

3. There should be no spaces before or after the username.
4. The user can unmask the password, to check for any errors.
5. If the user does not have an account, they should contact the administrator.

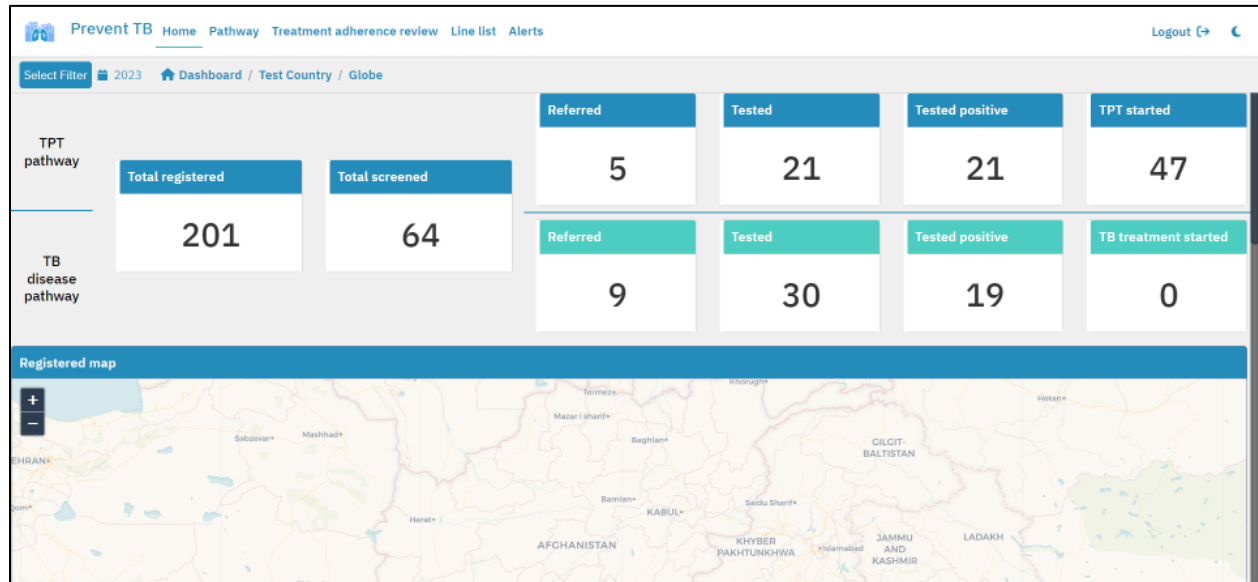Dure Technologies

MODULES

1. Homepage

Figure 2: Homepage

1. The Prevent TB dashboard homepage enables users to monitor aggregated program data in real time by displaying data as box indicators or in the form of simple charts/graphs.
2. The TPT and TB Disease pathways on the top display counts of clients at each stage across the cascade of care. The total number of registered and screened patients is inclusive of patients receiving both TPT and TB services.
3. The following counters are available on the homepage:
    a. Total registered
    b. Total Screened
    c. Referred
    d. Tested
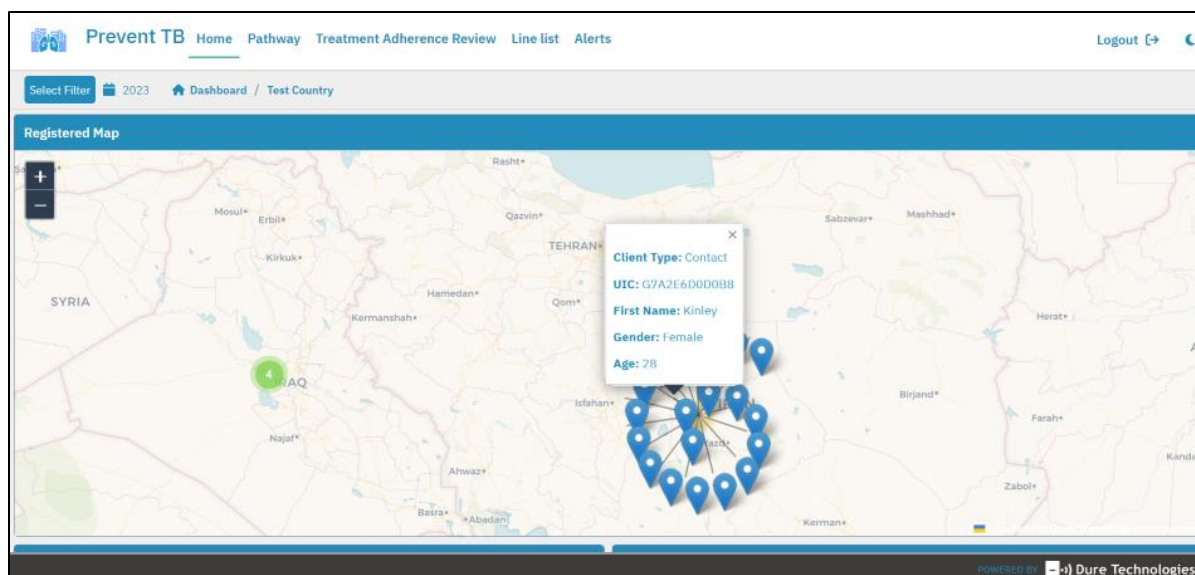   e. Tested Positive
    f. TPT/TB treatment started

Figure 3: Hotspot mapping

4. The user can also view a map displaying graographical distribution of registered clients and diagnosed cases thereby facilitating hotspot mapping. By clicking on a hotspot for a particular area, the user can also view individual patient markers and can click on these markers to view any individual patient's information.

5. All the data captured on the Prevent TB application and summarized on the homepage can be filtered based on the following:
   a. **Organization unit** – provides option to select the administrative level for which the data needs to be filtered, for example, country, province, district, health facility, etc.
   b. **Period –** provides the option to choose the time duration for which data is to be filtered. Users can view yearly, quaterly, monthly data or also select a specific range of dates as required.
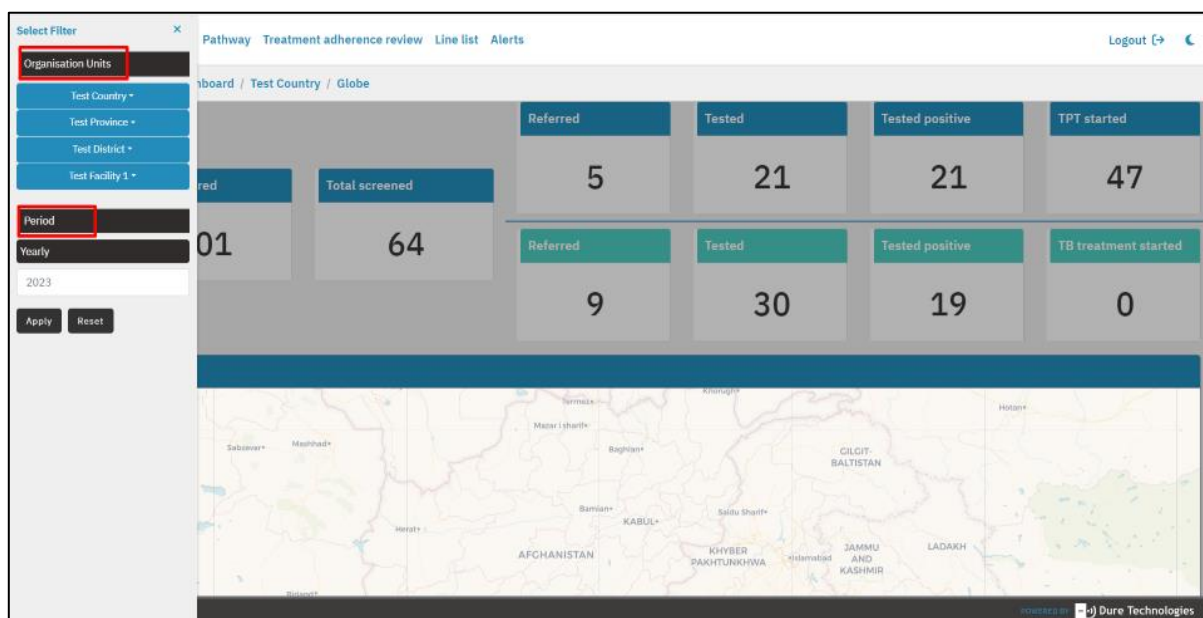

Figure 4: Filter

6. The dashboard is also available in both dark and light modes as per user preference. This can be changed by clicking the moon symbol at the top right.
7. The dashboard homepage displays the following sample charts:
    a. Cascade of care
    b. Age distribution
    c. Age distribution of TB infection cases
    d. TB infection cases by gender
    e. Index cases by gender
    f. Index cases by type of TB disease
8. These charts can be downloaded as images (SVG, PNG, JPEG), as well as PDF documents.
9. The 'Cascade of Care' chart has a filter to view TPT and TB data individually.
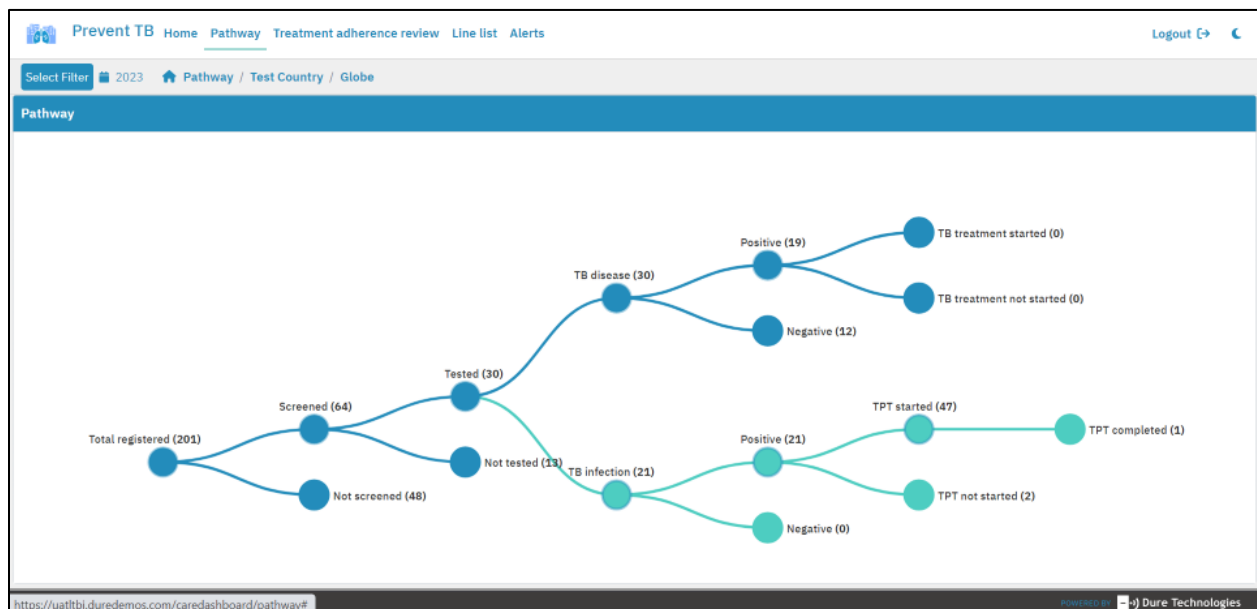
2. Pathway

Figure 5: Pathway

1. The pathway module displays a linear path graph of the cascade of care.
2. It displays the number of patients whose data has been captured at different stages on the Prevent TB application.
3. The pathway captures data starting from TB screening and across both TB preventive treatment and TB disease treatment.
4. Either pathway can be hidden by clicking on TB disease or TB infection.
5. The data in the pathway can be filtered based on organization unit and time period as well.
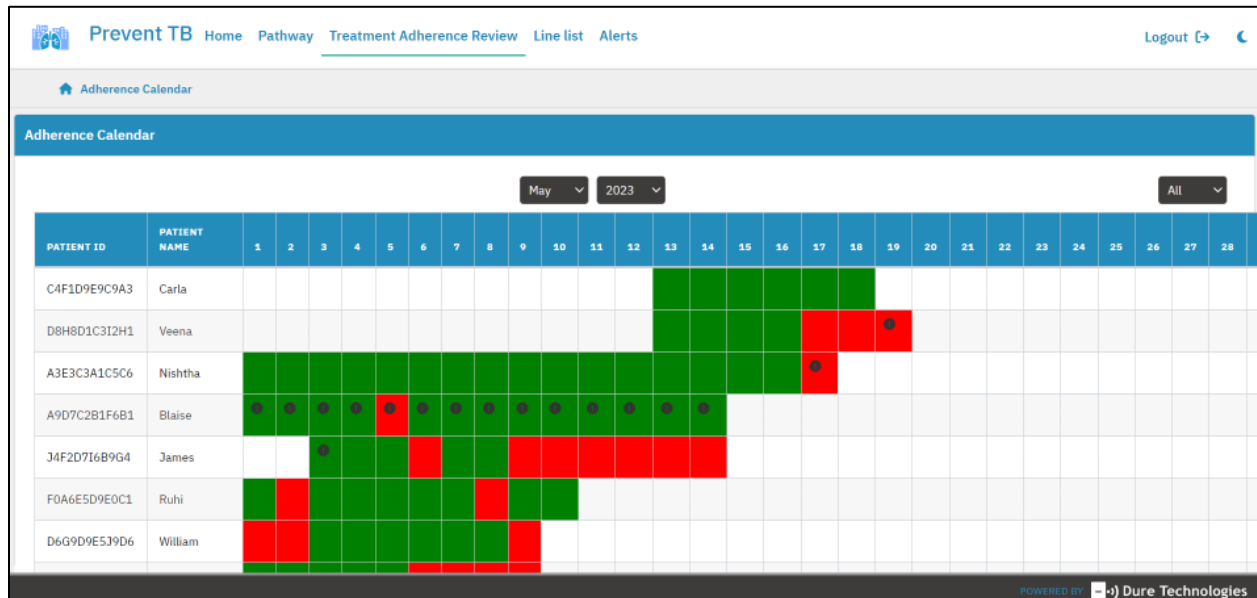
3. Treatment Adherence Review

Figure 6: Treatment Adherence Review

1. The Treatment Adherence Review module consists of the adherence calendar.
2. It displays an overview of dose intake per day during a given month.
3. The user can also select a specific month and year, to view treatment adherence, at the top of the calendar.
4. The adherence calendar is color coded in the following way:
   a. Green: The patient has taken the dose for this day.
   b. Red: The patient has missed the dose for this day.
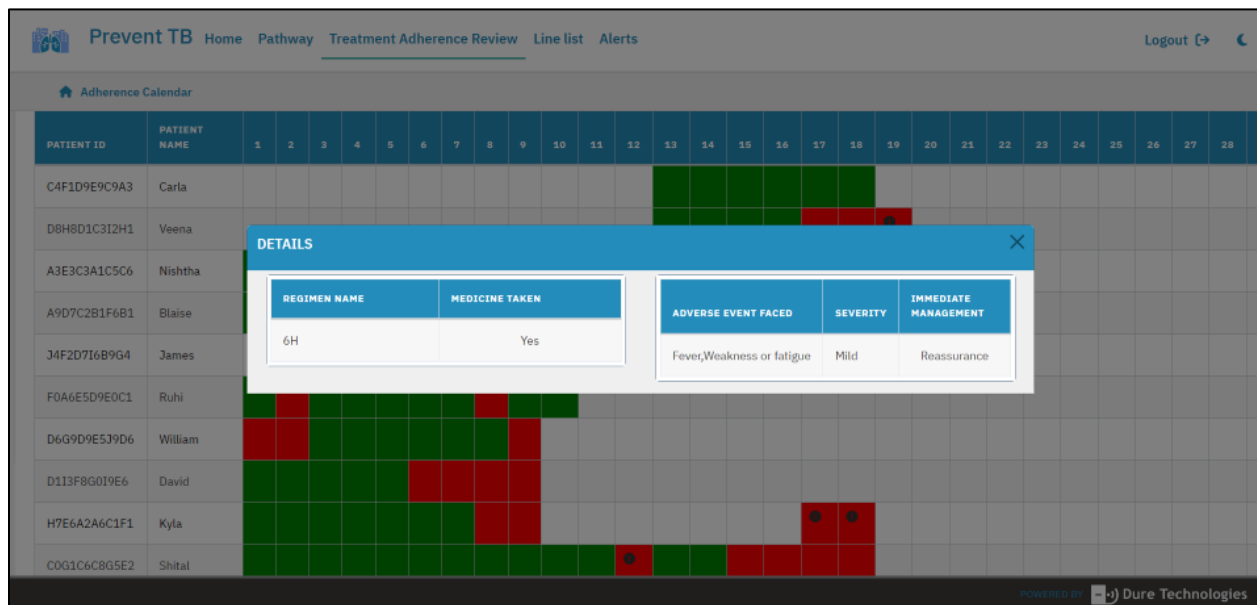   c. Exclamation mark: The patient has recorded an adverse event.

Figure 7: Patient adherence details

5. The user can select a particular date to view the details of the patient's treatment regimen and if they have faced any adverse event.

4. Line list

Figure 8: Line list

1. The Line list allows the user to access case-based data which has been entered via the application for a given month, quarter, and year.
2. The line list can be filtered by the following client types:
    a. All
    b. Index
    c. Contact
    d. Presumptive TB
3. The list of variables visible can be modified or built as per the program's requirement. The following patient information is currently available by default-
    a. UIC
    b. Age
    c. Gender
    d. First name
    e. Client type
    f. Phone number (permanent)
    g. Presently on anti-TB medication?
4. The user can click on a patient's unique identification code (UIC) to view the data as entered across the stages on the Prevent TB application.
5. The line list can also be downloaded as an Excel document.

Figure 2: Linelist: Patient summary

5. Alerts

Figure 9: Alerts

1. The Alerts module gives the user a brief overview of case-based alerts as generated on the application.
2. The type of alerts to be generated can be customised using the Prevent TB Smart Setup. The following alerts are currently available by default on the platform:
   a. TB testing referral alert
   b. TB infection testing referral alert
   c. Adherence alert

3. If there is an alert generated against a client, it is highlighted in either red or green.
4. If the number of days since the alert has been generated is more than the threshold value, then the alert is highlighted in red. If it is less than the threshold value, the alert is highlighted in green.
5. The threshold value can also be defined by the program managers using Smart Set-up. The platform currently has a sample threshold value of 5 days.
6. The list of patients can be filtered based on the type of alert.
7. The list of patient-wise alerts can also be downloaded as an Excel document by clicking on the 'Excel download' button.