



Health Systems for Tuberculosis (HS4TB)

Private Sector Performance Review Dashboards

CONTRACT MANAGEMENT TOOL · JANUARY 2024 · INDIA

This document was developed by HS4TB in support of India's National Tuberculosis Control Program.

This document is made possible by the generous support of the American people through the US Agency for International Development (USAID) contract no. 7200AA18D00025 task order no. 7200AA20F00009. The contents are the responsibility of Management Sciences for Health and do not necessarily reflect the views of USAID or the United States Government

About HS4TB

The USAID Health Systems for Tuberculosis (HS4TB) project seeks to transform the way country leaders and health system managers understand and work toward TB control and elimination. HS4TB is a five-year USAID contract focusing on health systems priorities that most directly support achievement of TB outcomes, with a focus on health financing and governance in the USAID TB priority countries. The project helps countries increase domestic financing, use key TB resources more efficiently, build in-country technical and managerial competence and leadership, and support policy formation and dissemination. HS4TB is led by Management Sciences for Health (MSH) in partnership with Open Development.

Contact Information

For more information on the HS4TB project, contact:

Kamiar Khajavi
Project Director, HS4TB
kkhajavi@msh.org

Neelam Makhijani
India Country Director, HS4TB
nmakhijani@msh-india.in

TABLE OF CONTENTS

- Introduction 1
- Main objectives of the dashboard tool 1
- Power BI dashboards 1
- How to use the tool 1
- Steps for setting up and accessing the dashboards 3
- Source of data 3
- Updating the dashboards 3

INTRODUCTION

The Central TB Division (CTD) has a robust data collection system through Ni-kshay 2.0, which captures information on the complete TB care cascade, from presumptive TB case enrolment to successful treatment outcomes, demographics, and the many services provided by the National TB Elimination Program (NTEP).

Data entered into the Ni-kshay 2.0 portal is available in the form of “Ni-kshay reports” and through “Ni-kshay dashboards” for limited data elements covering key indicators. States and Districts often monitor the Key Performance Indicators (KPIs) available in Ni-kshay 2.0 in different modules but disregard other process indicators that are crucial for improving overall performance and quality of care.

Working with the State TB program in Telangana, India, Health Systems for TB (HS4TB) developed performance review dashboards using the Microsoft Power BI application—an analytical tool used to compile, analyse, and present data in an efficient and effective way so end users can promptly access required information. The dashboards were developed recognizing the need for a single-page summary of core TB performance indicators for analysis by the lowest service unit providing TB care. This document provides instructions on how to set up, use, and update the dashboard.

MAIN OBJECTIVES OF THE DASHBOARD TOOL

- Provide information on all core cascade TB indicators on a single page.
- Provide location-specific trends in progress, thereby allowing stakeholders at the TB unit level to identify gaps.
- Extend the scope of program review by including process indicators.
- Provide actionable insight through customised performance analyses such as trends in the previous 12 months or areas of underperformance.

POWER BI DASHBOARDS

Power BI works both online and offline and offers different user rights depending on the type of account. For instance, free accounts allow authors to generate reports only for their own use whereas “Power BI premium licenses” also allow for publishing reports that can be viewed by a larger audience. For developing the performance review dashboards, a premium license was used so access to the dashboards can be shared and the intended users can view them online. End users at the District or TB unit level do not need Power BI licences to access the dashboards; they can open a dashboard by pasting a URL in their browser or clicking on a link.

HOW TO USE THE TOOL

- The end users with whom the performance review dashboards are shared should access those dashboards via related links or URLs.
- Filters such as year, month, district, TB unit, sector (private/public) and model (patient provider support agency [PPSA]/non-PPSA) found on the right side of the dashboard help users refine the information to be presented.
- Information in dashboards changes dynamically when filters are applied.

- In addition to the one-page report shown on the first tab, the dashboard offers five additional tabs where trends and location-specific updates for each of the core and process indicators can be seen.

To view the performance review dashboard, cut and paste the following URL—

<https://app.powerbi.com/groups/me/apps/47a40fd2-9316-4852-b7a1-e309456579fe/reports/bfd6a07b-d68f-4795-985a-29f2491bd077/ReportSectionf391fd6a6d49ec519329?ctid=2012f0b0-ce75-4072-9dd4-b99e12152539&experience=power-bi>—into a browser or click here.

Screenshots of the dashboards can be seen in figures 1, 2, and 3.



Figure 1: Power BI dashboard starting page showing a one-page summary of indicators, filters (on the right side panel), and other dashboard pages (on the left side panel)

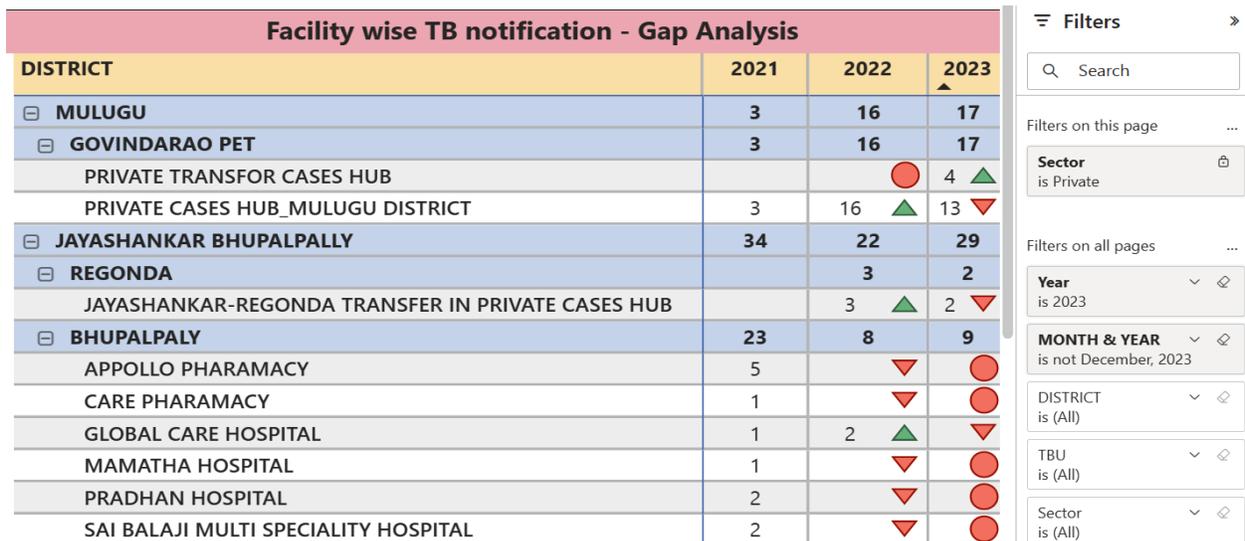


Figure 2: Diagnosing gaps dashboard



NTEP Key Indicators Performance

P

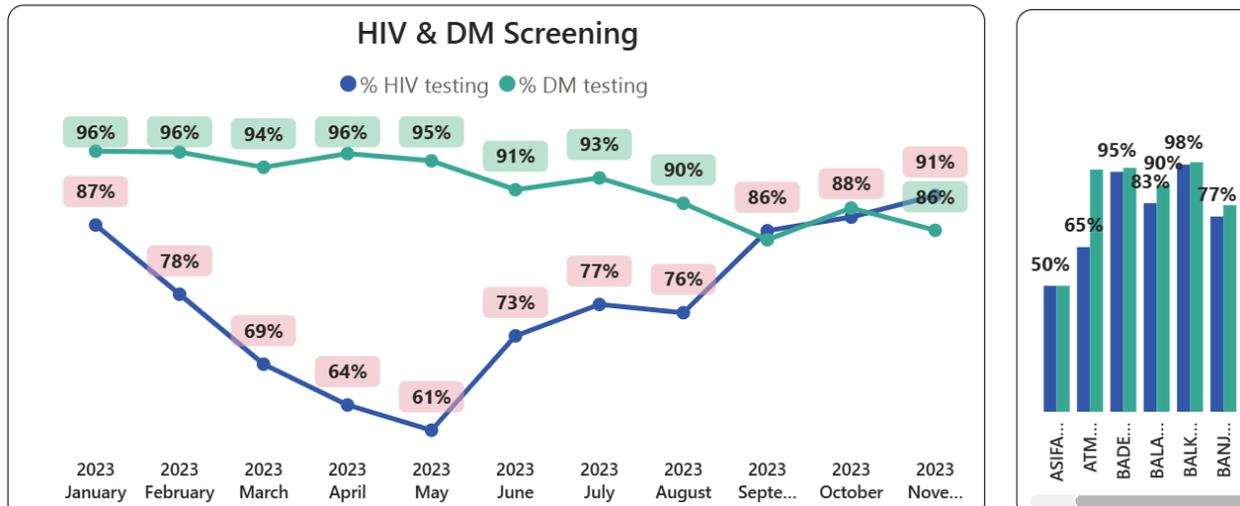


Figure 3: Indicator and TB unit trends

STEPS FOR SETTING UP AND ACCESSING THE DASHBOARDS

- Patient list/register from Ni-kshay 2.0 is downloaded and linked to Power BI for consolidation.
- The master user (Power BI premium licensee) at the National/State level develops the dashboards as needed.
- Developed dashboards are published online and shared with intended users.
- End users access dashboards and view information by location and trends, applying filters as needed.

SOURCE OF DATA

Patient-specific registers from Ni-kshay 2.0—such as presumptive, notification (diagnosis and current facility), patient lab, culture and drug sensitivity test, beneficiary (direct benefit transfer), contact tracing, dispensation, private health facility, and tuberculosis preventive treatment—can be downloaded, organized, and saved on OneDrive for easy access, retrieval, and placement on any shared drive or user’s computer. Relevant registers are linked to Power BI to aid in consolidating and regularly updating the dashboards.

UPDATING THE DASHBOARDS

National- or State-level users should place the patient registers in a folder and replace them once a week with the latest downloaded files after using the refresh button to update the status of indicators in the dashboards on a regular basis. The frequency of dashboard updates can be adjusted based on the different needs of the end user.