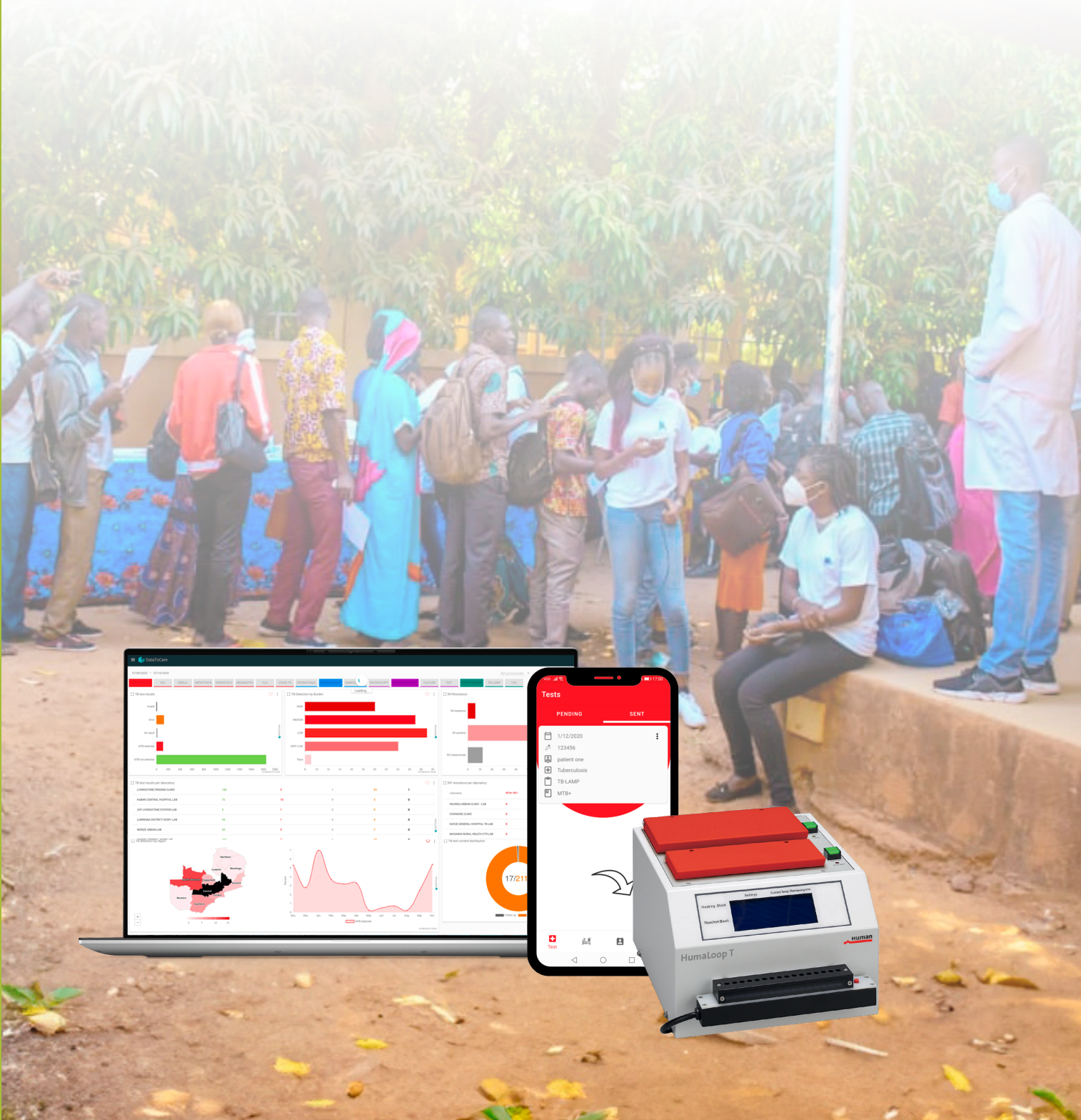


DataToCare by Savics for TB-LAMP

Enhancing diagnosis and treatment of TB patients



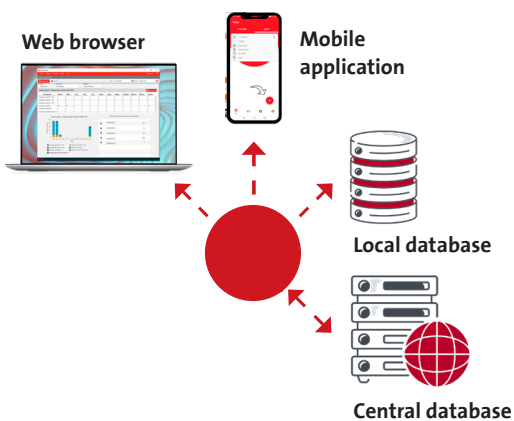
DataToCare by Savics for TB-LAMP

Better recording and reporting of tuberculosis cases

Challenges in the monitoring of communicable diseases

Despite advancements in state-of-the-art diagnostics, the surveillance of communicable diseases remains inadequate. The reliance on paper-based processes, along with a lack of standardization and connectivity between laboratory systems, are primary contributors to the issue of incomplete data that is not immediately actionable. Tuberculosis (TB) poses major challenges to global health and demonstrates the importance of rapid and accurate diagnostics and of efficient data management. For Tuberculosis control strategy, it is important to record data and monitor at the local regional and central levels: This helps in better management of the epidemic situation by analyzing the number of cases, formulating associated requirements for laboratory supplies, and forecasting for necessary funding. Software-based connectivity systems, with features for managing patient intake, order entry, specimen processing, result capture, and patient demographics, can address these challenges.

DataToCare by Savics – Faster access to laboratory results for all



DataToCare is a connectivity platform that provides faster access to laboratory results. It standardizes the capture of test results at remote sites, displays these results on a national dashboard, and sends them to physicians and patients in real-time.

From now on, it is possible to store and send the results obtained with HumaLoop T electronically by email or SMS. This provides access to highly professional patient management, even in remote areas.

WHO recommends electronic recording and reporting for tuberculosis care and control

Data recording and reporting are necessary to:

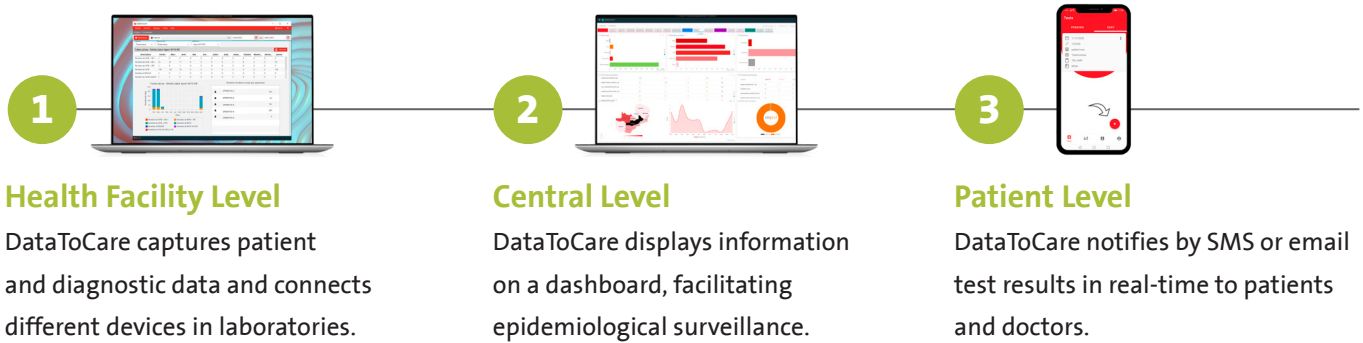
- > Monitor trends in the TB epidemic at global, national, and subnational levels.
- > Monitor progress in the treatment of individual patients and groups (cohorts) of patients, ensuring continuity of care when patients are referred between healthcare facilities.
- > Plan, raise funds, implement, and evaluate programmatic efforts to control TB. This includes forecasting the numbers of cases and the associated requirements for staffing, medicines, and laboratory supplies, as well as analyzing treatment outcomes.

“Recording and reporting data is a fundamental component of caring for patients with tuberculosis (TB) and controlling the disease.”

WHO recommendation

When high-quality data are available, successes can be documented, and corrective actions can be taken to address identified problems. - WHO

Why choose DataToCare “<https://datatocare.org>” by Savics?



Customized program for TB-LAMP

Tailored to meet the specific needs of healthcare providers using TB-LAMP diagnostics, this program is especially beneficial for use in remote areas, thanks to its mobile application with offline functionality.

Real-time data transfer

This feature ensures the secured and standardized transfer of patients' test results and demographic data to the central server via the internet (or SMS when an internet connection is unavailable).

Notification to impacted individuals

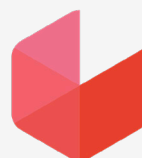
It sends diagnostic test results via email and SMS to physicians and patients across various points of care, ensuring timely communication and reducing the risk of contamination.

Automated reporting

The system supports exportable and/or automatically generated case-based or aggregated reports at the laboratory, regional and national level.

Inventory management

It simplifies the management of stock levels for vital laboratory supplies, providing alerts for potential stockouts or expiring items, thereby aiding in efficient inventory control.



DATATOCARE BY SAVICS

For more information scan the barcode or refer to website <https://datatocare.org>

TB-LAMP

Detect TB more accurately and easily



TB-LAMP is robust and easy to perform

The Loopamp™ workflow facilitates easy DNA extraction and preparation of reaction mixes using minimal equipment and reagents. The ability to store and ship reagents at room temperature, combined with excellent test performance, makes molecular pathogen testing accessible in rural areas with limited resources.

- **Rapid and simple:** TB LAMP can be performed with minimal training and equipment. This robust technique requires little infrastructure, making it suitable for settings with limited access to sophisticated laboratory facilities.
- **Isothermal amplification:** Unlike PCR, LAMP operates at a constant temperature, which eliminates the need for costly thermal cyclers. This feature makes it suitable for field applications where precise temperature control is challenging.
- **High sensitivity and specificity:** TB LAMP assays match the sensitivity and specificity of conventional PCR methods, crucial for accurate diagnosis in regions where TB is prevalent and where early detection can prevent further transmission.
- **Point-of-Care Testing (POCT):** TB LAMP can be adapted for use at the point of care, allowing for immediate diagnosis and treatment initiation, thus improving patient outcomes and reducing disease transmission.
- **Cost-effective:** LAMP uses simpler equipment and reagents compared to PCR-based methods, resulting in lower costs per test. This affordability and accessibility make it ideal for resource-constrained settings where cost can be a significant barrier to healthcare access.
- **Independence from electricity:** Temperature-stable reagents and the ability to operate using alternative energy sources, such as batteries or solar power, reduce its dependency on electricity supply.
- **Portability:** TB LAMP is designed to be portable, enabling testing in remote or rural areas where access to centralized laboratory facilities is limited.

HumaLoop T

Easy-to-use Loopamp™ technology for primary and peripheral laboratories

Specially designed as a consolidated platform for sample preparation, amplification, and easy visual result reading. HumaLoop T facilitates sensitive and reliable detection of tuberculosis with the Loopamp™ MTBC Detection Kit.

- For small to medium throughput up to 16 tests per run or up to 70 samples per day
- Preinstalled and fixed incubation times and temperatures for Loopamp™ assays
- Consolidated processing: sample preparation, amplification and detection on a single instrument
- Perfect for use in remote areas with independent power solution by solar panel and battery system
- Explicit interpretation by visual reading of fluorescence signals
- Fast reporting: results in 1 – 2 hours



WHO recommends TB-LAMP as an alternative for smear microscopy

- TB-LAMP detects > 15 % more positive TB cases
- It is also applicable to confirm smear negative results
- It can be used as first line test for all patient groups when the GeneXpert system is not available



For more information on TB-LAMP, scan the barcode or refer to our website www.human.de/lamp