A New Era for TB Prevention and Control

Despite it being preventable and curable, tuberculosis (TB) is still a leading cause of morbidity and mortality globally. The COVID-19 pandemic further exacerbated TB's adverse impact as case notifications plummeted and mortality increased for the first time in over a decade.

JSI programs focus on enhancing high quality prevention and treatment interventions through partnering with national TB programs and other local public and private partners, to ensure continued person-centered care, treatment, and prevention. We focus on all steps of the TB cascade including TB preventive treatment (TPT), infection prevention and control, case finding, diagnosis, and treatment for drug sensitive (DS) and multidrug-resistant (MDR) TB. We support comprehensive systems to increase demand for and use of TB data, and provide technical assistance, global guidance, and tools to support data utilization.

As a key partner for USAID's Global TB Accelerator, **JSI** offers expertise in technical assistance, capacity strengthening, integrated health service delivery, and data systems.

f 📷 🐦 *@JSIHealth*

Cure TB

The **USAID Cure Tuberculosis Project** (2019-2024) works closely with the Kyrgyz government to ensure that TB services are high-quality and accessible, even for the most hard-to-reach citizens. The project focuses on strengthening systems, tools, resources, and human capacity while reducing stigma and discrimination through social behavior change communications to improve the **Kyrgyz Republic**'s TB response. The project helped improve:

In 2021, 84% of people notified with pulmonary or extrapulmonary TB were tested using **GeneXpert** as the initial diagnostic test *(up from 77% in 2020)*.

A 57% increase in the number of **contacts investigated** per case *(from 2.6 to 4.4)* in supported regions in 2019-2021, resulting in a nearly three-fold increase in percent of active cases detected among TB contacts *(from 1.6% to 4.6%)*.

Between October 2021 and September 2022, 96% of people identified with **DR-TB** were enrolled on treatment.

Project-supported regions achieved the following **treatment success rates** in 2021: 81% with DS-TB, 72% with MDR-TB, and 62% for extensively drug-resistant TB.

TB is especially serious for people living with HIV (PLHIV), whose compromised immune systems make them 20 times more likely to develop active TB disease.

JSI's HIV programs include integrated TB services, such as TB screening, treatment for clients with active TB, and TPT for PLHIV without active TB. Our programs identify a series of key activities to successfully roll out TPT and achieve high rates of completion.

Ensure **supply** with accurate forecasting and procurement

Use **radio** to improve understanding and create demand

Support providers with intensive **supervision** and **mentorship**

Orient and reorient providers

Institute **screening tools** to ensure a TPT check at every encounter

Maintain **TPT registers** to identify clients in need of TPT

Client follow-up **call** system

Align **TPT** with **ART** refills

Offer **community-based** refills for client convenience

TIFA

JSI works hand-in-hand with National TB Programs and other partners to fund grants to address local TB priorities through the USAID-funded **TB Implementation Framework Agreement** (TIFA) project (2019–2024), part of the USAID Global Accelerator.

As of April 2023, TIFA has worked with 50+ partners on more than 119 fixed amount awards, consultancies, contracts, procurements, and other subawards at different stages of development and implementation in 18 countries. These subawards are supporting locally-led efforts in areas such as improving TB contact investigation, increasing use of short-course regimens for DR-TB, enhancing pediatric TB screening and treatment, and strengthening national coordination and research.

Grantees use TIFA funding to implement the National Strategic Plans in their country, and reinforce the NTP's leadership. By supporting locally-led programs and catalytic investments, TIFA acknowledges the commitment, skill, and experience of NTPs and local organizations. TIFA's design promotes learning, adaptation, innovation, and accountability to build more resilient TB programs.

Since 2019, **TIFA** has worked with partners on more than 119 fixed amount awards, consultancies, contracts, procurements, and other subawards at different stages of development and implementation.

A total of $11.2 million USD awarded through 63 TIFA fixed amount awards – known as **TB commitment grants** – in 18 USAID TB priority countries as of April 2023.

TB-DIAH RESOURCES

TB DIAH

Tuberculosis Data, Impact Assessment
and Communications Hub

Performance-based Monitoring and Evaluation Framework (PBMEF)

Also available in <u>French</u>, <u>Portuguese</u>, <u>Russian</u>

The Data-to-Action Continuum (D2AC) Toolkit
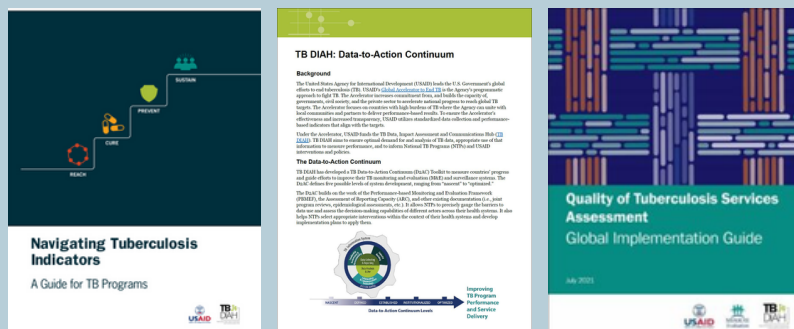
Also available in <u>French</u>, <u>Portuguese</u>, <u>Russian</u>

Quality of Tuberculosis Services Assessment (QTSA)

French version coming in 2023

TB Contact Investigation for Frontline Workers eLearning Course

Also available in <u>French</u>, <u>Portuguese</u>.
Russian version coming in 2023

The **TB Data, Impact Assessment and Communications Hub** (TB DIAH) project, funded by the USAID and in collaboration with University of North Carolina at Chapel Hill, works to improve and harness existing TB data and knowledge sharing and to strengthen national TB programs worldwide in support of the U.S. Government's goals of reaching every person with the disease, curing those in need of treatment, and preventing the spread of new infections and the progression to active TB disease.

TB DIAH tools and resources are designed to support USAID and its partners by:

- Identifying priority reach, cure, and prevent indicators and defining cascades (**_PBMEF_**)

- Supporting evaluations of the status of TB M&E and surveillance systems and the development of strategies for improving them (*Surveillance and TB M&E Strengthening Plan*, **_STEP_** and **_D2AC_**)

- Providing insight into the availability and quality of TB services (**_QTSA_**)

- Providing tools and support to assess the quality of national TB data systems and the data they collect (*Assessment of Data Collection, Reporting, and Analysis Capacity*, **_ARC_**)

- **Visualizing TB data** (*Dashboards*)

JSI www.JSI.com

JSI is dedicated to improving people's lives around the world through greater health, education, and socio-economic equity for individuals and communities.

44 Farnsworth Street
Boston, MA 02210-1211
Phone: 1.617.482.9485

f 📷 🐦 *@JSIHealth*