

Stop TB Partnership / USAID *Introducing New Tools Project (iNTP)*

The iNTP is introducing new diagnostic and digital health innovations in 11 high TB burden countries to:

- Demonstrate feasibility of using these tools and guide wider scale-up
- Increase access to testing, treatment and prevention of TB and drug-resistant TB including in peripheral settings and for hard-to-reach populations



Truenat

Bangladesh, Cambodia, DRC, Kenya, Nigeria, Philippines, Uganda, Vietnam, Zimbabwe

- 15-38 Molbio Truenat systems with reagents in each country + comprehensive warranties
- Testing started November 2021-August 2022; reagents until May 2023
- Stop TB/USAID/GLI [Practical Guidance](#) and [Training Modules](#) support implementation
- [Webinar for global stakeholders](#) and [Nigeria case study](#) on early experience

Bangladesh, DRC, Kenya, Nigeria, Philippines, Uganda, Vietnam

- 5-14 Fujifilm Xair or Delft Light ultra-portable digital X-ray systems with computer-aided TB detection (CAD) software in each country
- Some countries are using ultra-portable X-ray together with Truenat
- Stop TB/USAID [Practical Guidance](#), [Training Modules](#) and experience-sharing [webinars](#)



Ultra-portable X-ray and CAD



Sequencing

Bangladesh

- Targeted next-generation sequencing is underway at icddr,b under research conditions using Illumina MiniSeq instrument with Genoscreen Deeplex Myc-TB assay
- Data have been provided to WHO as part of evidence base for Q4 2022 guideline development on use of sequencing for guiding treatment of drug-resistant TB

Bangladesh, DRC, Ethiopia, Kenya, Nigeria, Philippines, Tanzania, Uganda

- Diagnostics connectivity solutions are being developed or strengthened in 5 countries for connection of networks of Truenats and other rapid molecular tests
- Treatment adherence technologies using medication sleeves or video-observed therapy using Everwell solutions or are being developed in 5 countries



Digital health technologies



TB infection: test and treat

Bangladesh, DRC, Kenya, Nigeria, Philippines, Vietnam

- QIAGEN QFT-Plus IGRAs have been introduced in 3 countries to test for TB infection
- TB preventive therapy using the 3HR regimen has been provided to 6 countries including with a focus on household contacts, a target group that until now has largely been untreated in most countries

For more info, visit: <https://www.stoptb.org/accelerate-tb-innovations/introducing-new-tools-project>