eHealth4ChildTB

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Improving TB diagnosis & care in children
Through innovative digital tools
& decentralizing services

Editorial

Since our first newsletter in March 2026, eHealth4ChildTB has made significant progress in both project countries, with the implementation of Treatment Decision Algorithms (TDAs) and digital tools now underway in Côte d'Ivoire and Mozambique.

In Mozambique, the project has moved from its formative phase to the training of healthcare workers and the introduction of new tools in participating health facilities. Meanwhile, implementation has expanded across all three project districts in Côte d'Ivoire. Digital solutions are continuously improved thanks to the feedback provided by healthcare workers, the tool end-users.

Beyond design and development of innovative digital tools, eHealth4ChildTB aims to ensure their practical integration into routine clinical care, through training, supportive supervision and continuous adaptation to local needs.

In this second newsletter, we look back at the latest milestones and explore one of the project's core digital innovations: the Clinical Decision Support System (CDSS).

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News from the field

Mozambique: From preparation to field implementation

Understanding local needs: the formative phase

In April 2026, a formative phase was conducted in the three project districts of Gaza Province: Manjacaze, Bilene and Xai-Xai. Through field visits and exchanges with healthcare workers and local authorities, the project assessed existing childhood TB practices and readiness for digital tools, helping to tailor implementation to local needs.



Formative phase, Manjacaze, Mozambique

Training healthcare workers and supporting implementation

From 1 to 5 June 2026, eight provincial mentors and supervisors attended a Training of Trainers in Maputo, on TDAs, chest X-ray interpretation, electronic medical records (EMR) and supportive supervision.

Between June and July, healthcare workers from the three project districts were trained and received on-site support to facilitate the integration of TDAs and digital tools into routine care.



Training of trainers, Maputo, Mozambique

Strengthening lung ultrasound capacity

From 24 August to 4 September 2026, selected healthcare workers received practical training in paediatric lung ultrasound (LUS) in Xai-Xai, building on the earlier specific Training of Trainers on LUS done at Stellenbosch University.

Combining theoretical and hands-on sessions, the training strengthened local expertise in this complementary diagnostic approach for childhood TB.

Côte d'Ivoire: Expanding implementation and learning from users

Implementation extended to all three project districts

Following Agboville in January, eHealth4ChildTB was officially launched in Abengourou on 14 April and Sassandra on 16 June 2026, in the presence of local authorities, National Tuberculosis Control Programme (PNLT) representatives and project partners.

Training sessions accompanied the launches, supporting healthcare workers in integrating TDAs and digital tools into routine care.



Abengourou Launch, Côte d'Ivoire

Assessing digital tools under real-world conditions

From 13 to 31 July 2026, teams from the University of Bordeaux and IT-PACCI conducted a usability assessment mission across the three project districts.

Feedback from healthcare professionals was generally positive, while highlighting areas for improvement. These findings will help refine the digital tools and better adapt them to users' needs and daily practices.

Special focus on digital tool: Clinical Decision Support System (CDSS)

Diagnosing tuberculosis in children remains challenging, especially where diagnostic resources are limited.

To support healthcare workers, the project is deploying a tablet-based Clinical Decision Support System (CDSS) that facilitates the use of WHO-recommended TDAs.

Used alongside the electronic medical record (EMR), the CDSS guides healthcare professionals through clinical assessments and supports diagnostic and treatment decisions without replacing clinical judgement.

Feedback from healthcare workers will help refine the tool and improve its integration into routine care.

The CDSS also exists as a standalone application also accessible on smartphones.

