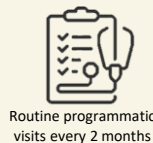


Introduction + Methods

The TB ALGO PED study assessed the diagnostic cascade for pulmonary TB (PTB) in an outpatient cohort of children living with HIV (CLWHIV) using the new WHO-recommended treatment decision algorithms under programmatic conditions in Conakry, Guinea.



Routine programmatic visits every 2 months

CLWHIV under 10 years old were regularly checked for presumptive PTB and assessed using the algorithms, if applicable.

Algorithm steps, if presumptive:



Clinical signs and symptoms TB-LAM GeneXpert on stool, when available History of contact X-ray when available



If not started on TB treatment, re-assess in 1-2 weeks

All children regardless of TB treatment status, follow up in 2 months for study purposes

October 2023 – December 2024

Results



321 CLWHIV assessed for signs or symptoms of PTB

227 out of 321 children were assessed multiple times (median 3 times in the 14-month study period)



159 Presented with TB symptoms and were enrolled in the study



102 children (64%) started on TB treatment

Algorithm Steps Completed

GeneXpert:

24 children (15%)

TB-LAM:

106 children (73%)

History of contact with a TB patient:

159 children (100%)

Chest X-Ray:

90 children (57%)

Clinical or clinical-radiological score: 159 children (100%)

Only 7% of children (4/52) eligible for 1-2 week follow up visit attended it.

