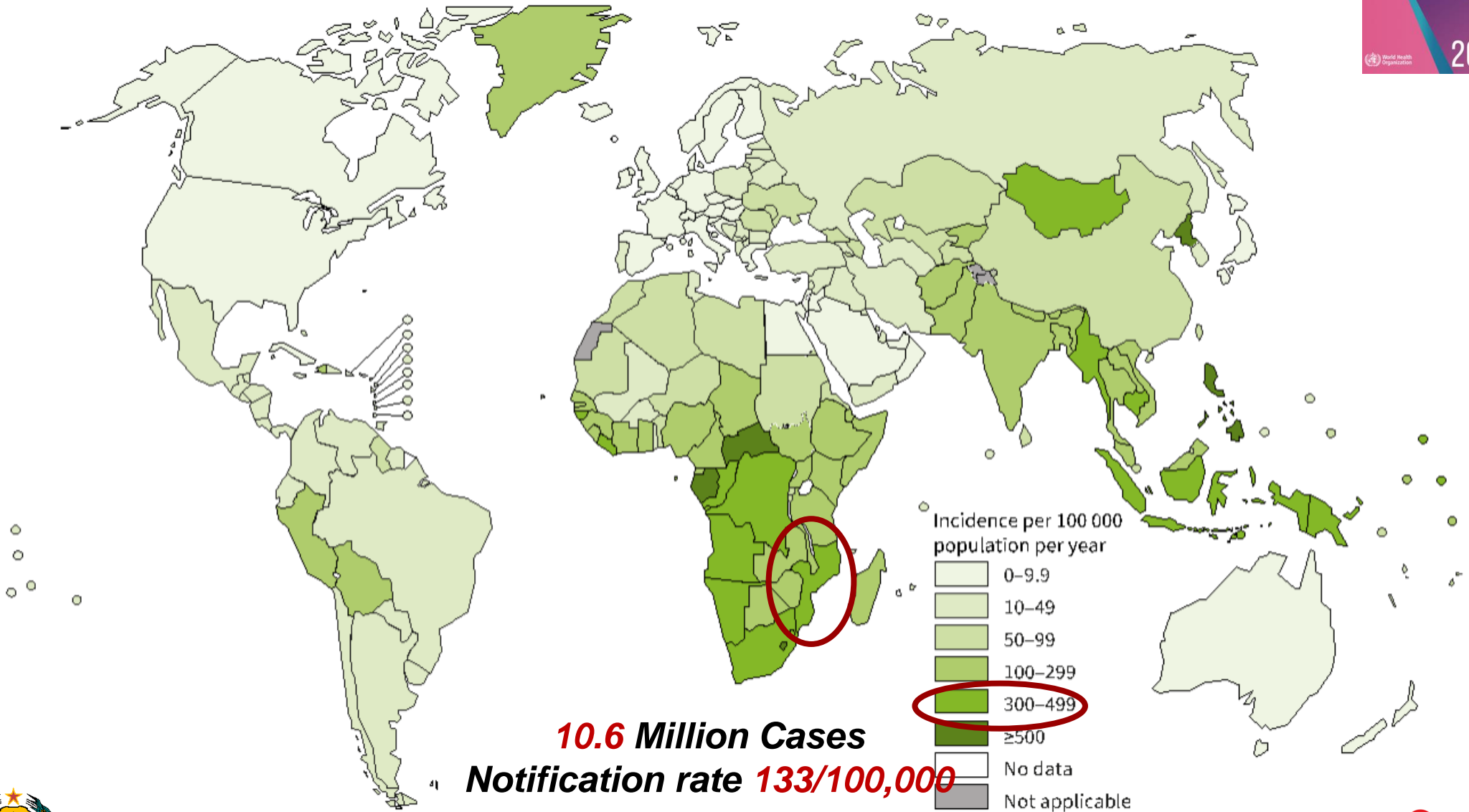

Mozambique's experience in implementing Xpert XDR

Mozambique, 4 de Julho de 2024

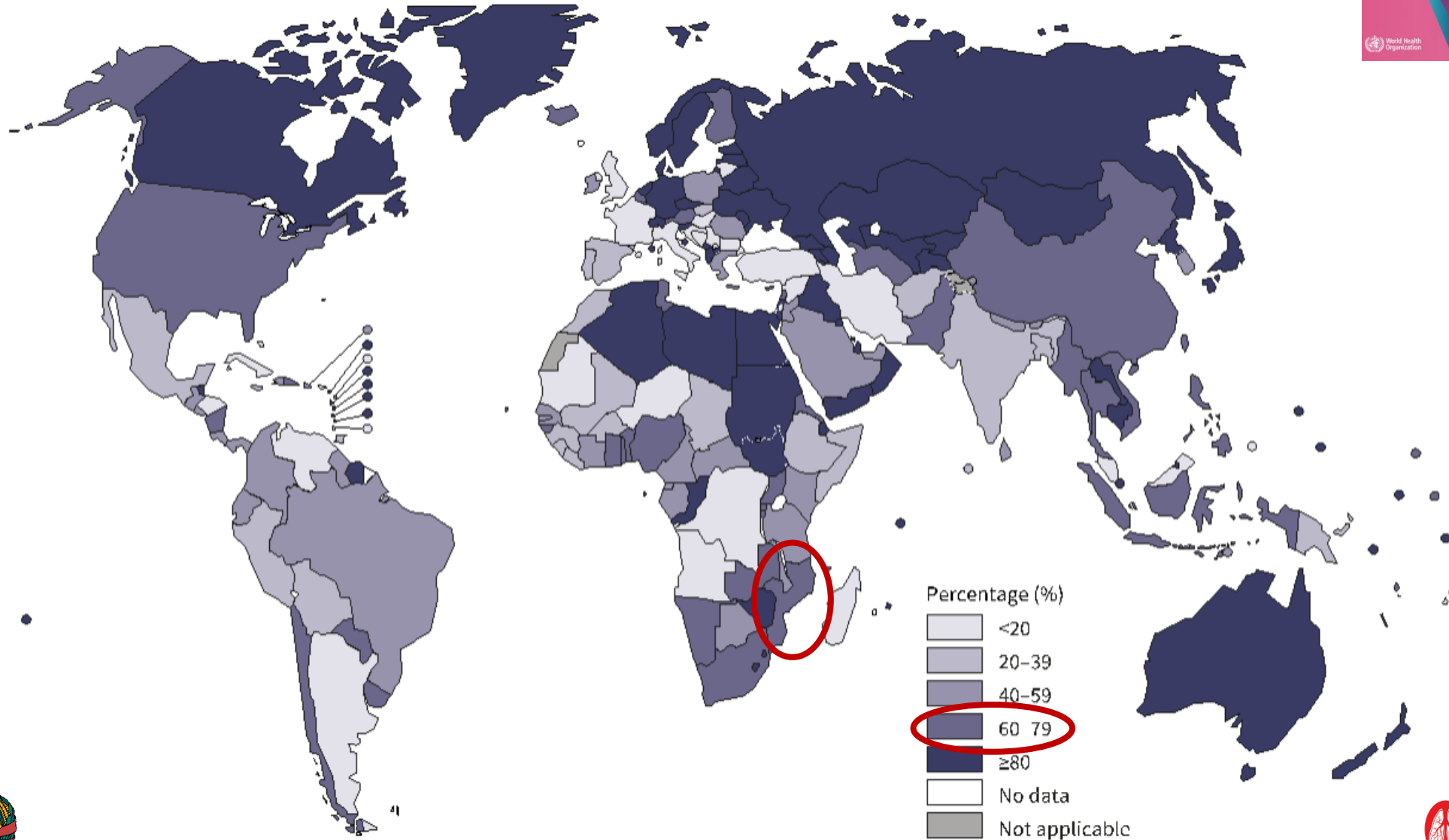
Cláudia Mutaquiha, MD



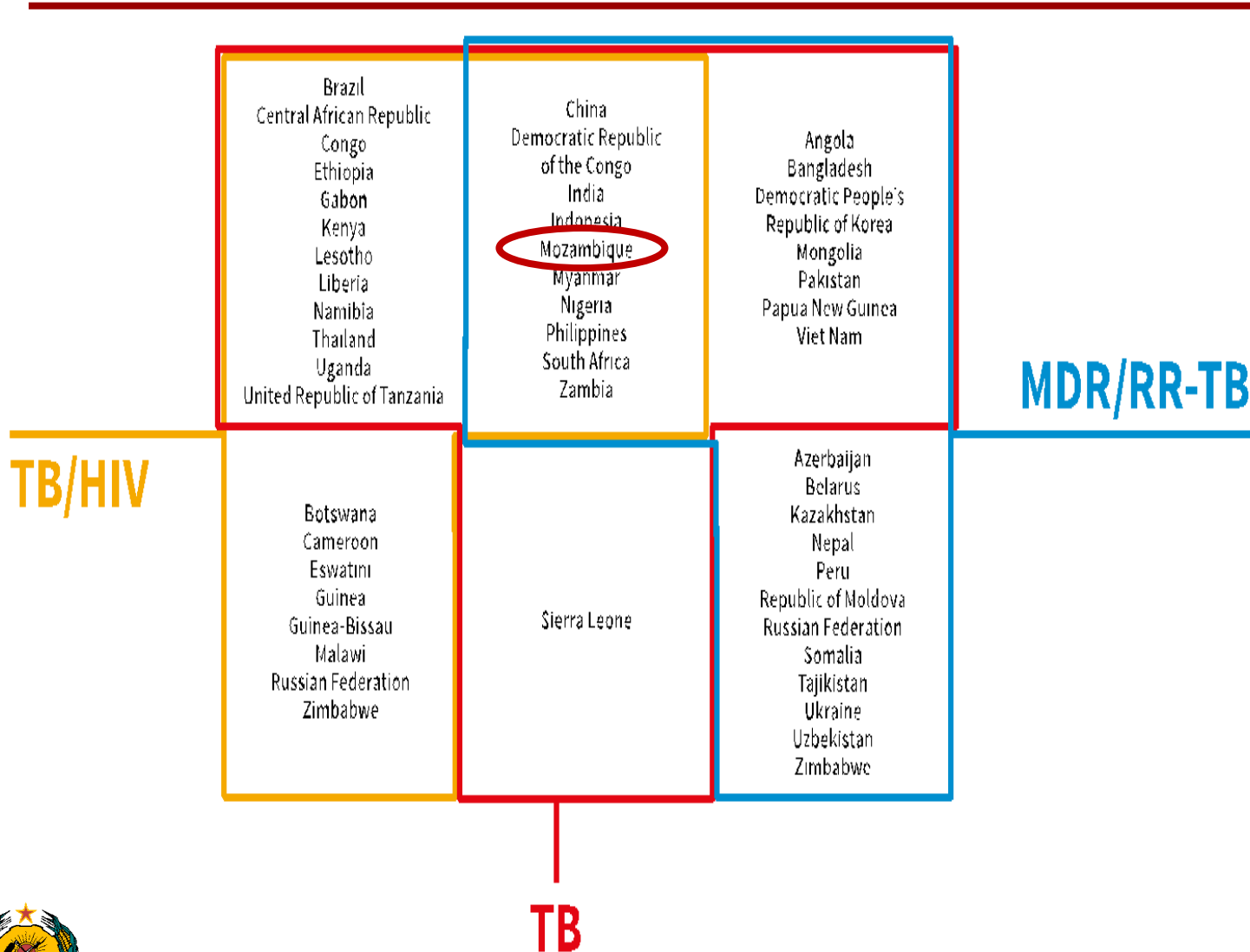
Estimation of TB cases in the world.



Percentage of *new TB cases* in which a *WHO-recommended rapid diagnostic test* was performed, 2022



Situation of TB and MDR-TB in MOZAMBIQUE



Prevalência de TB: 361 por 100K Pop.

Co-TB/HIV: 25%

TB MR: 1.440

TB - Pediátrico: 12%

Tx confirmação bacteriológica: 43%

Mortalidade: 29 por 100K Pop.

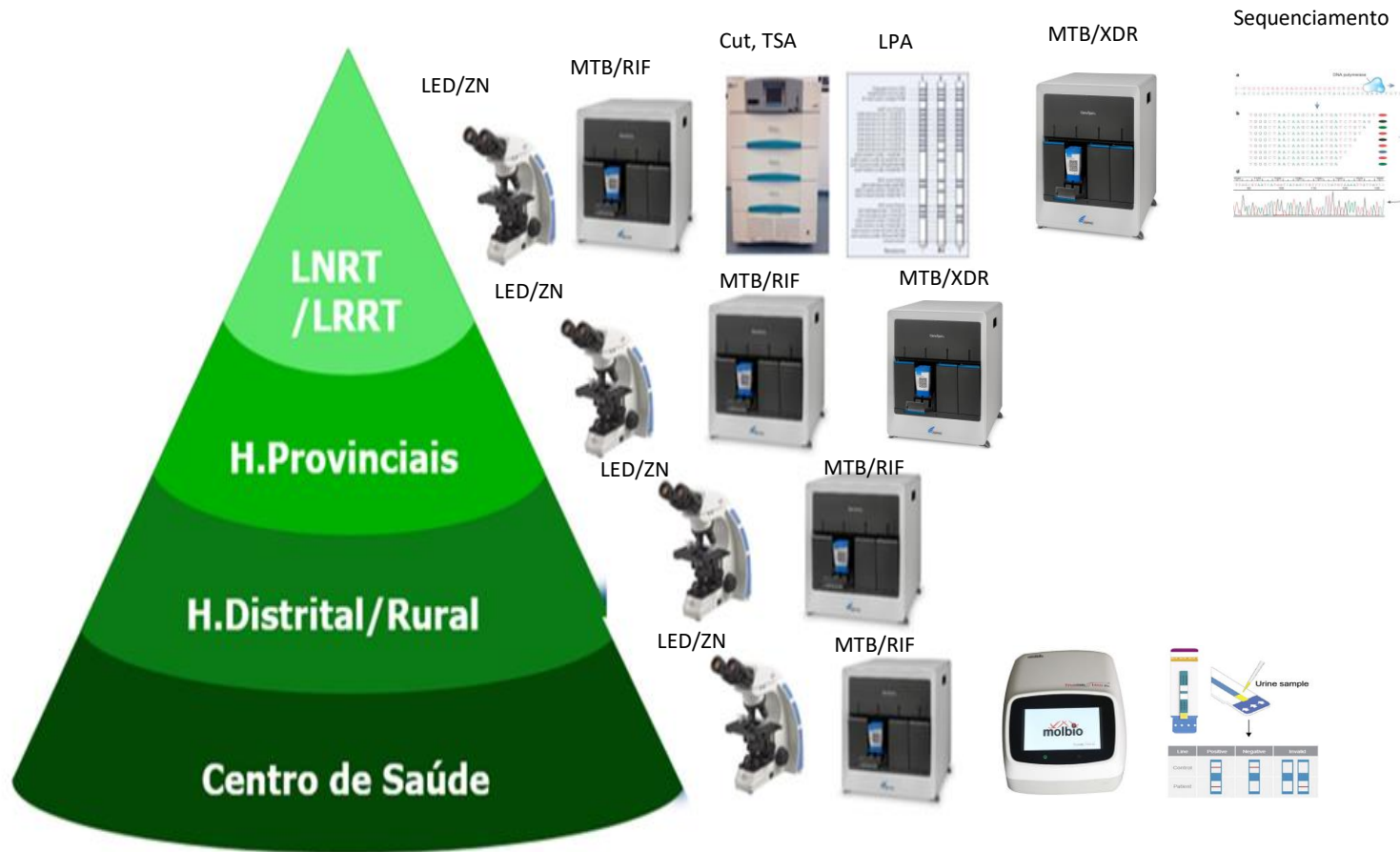
Cob. tratamento: 92%

Tx sucesso de tratamento: 94%

Tx Sucesso de tratamento TB MR: 75%



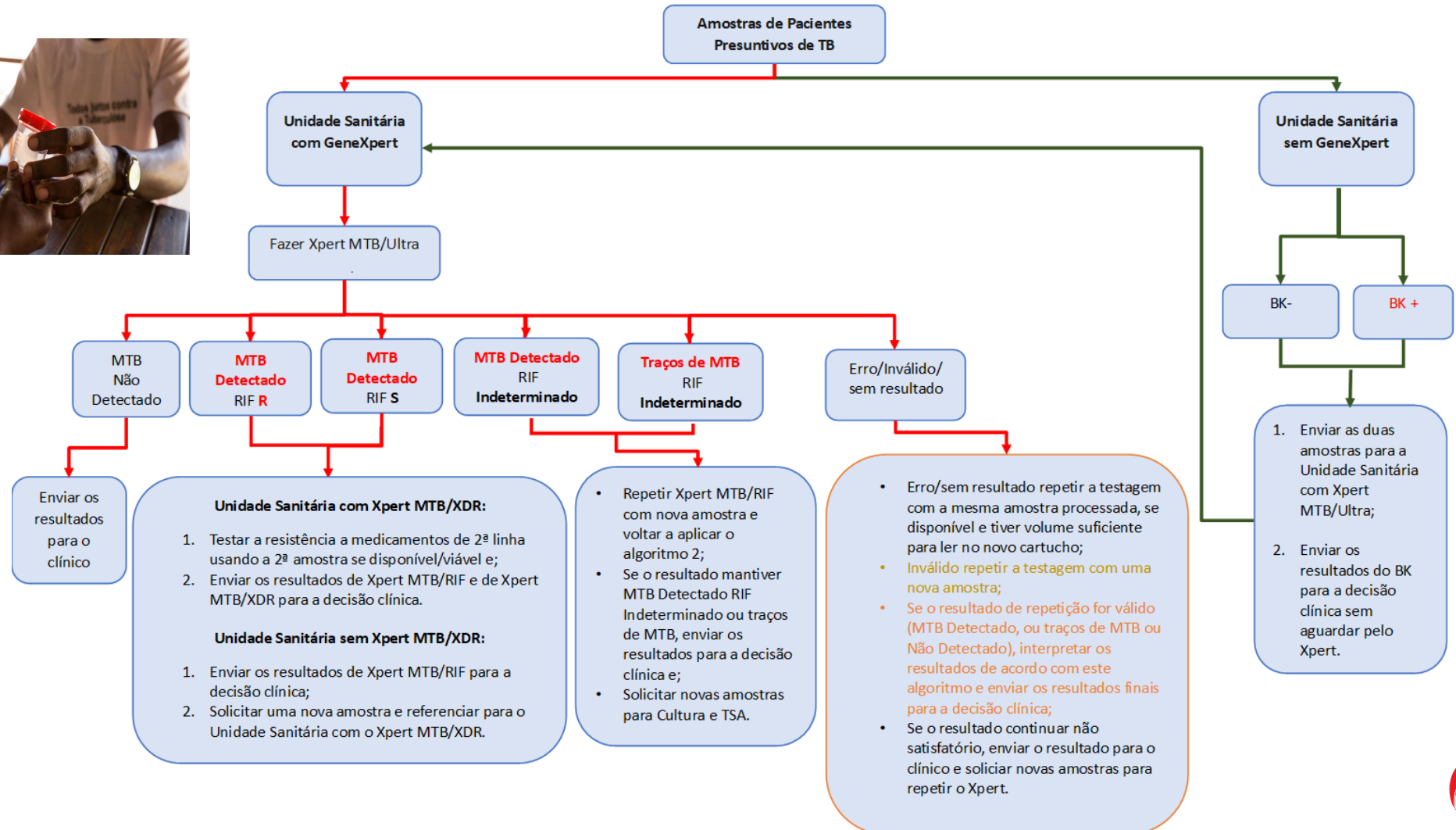
Tuberculosis testing laboratory structure in Mozambique



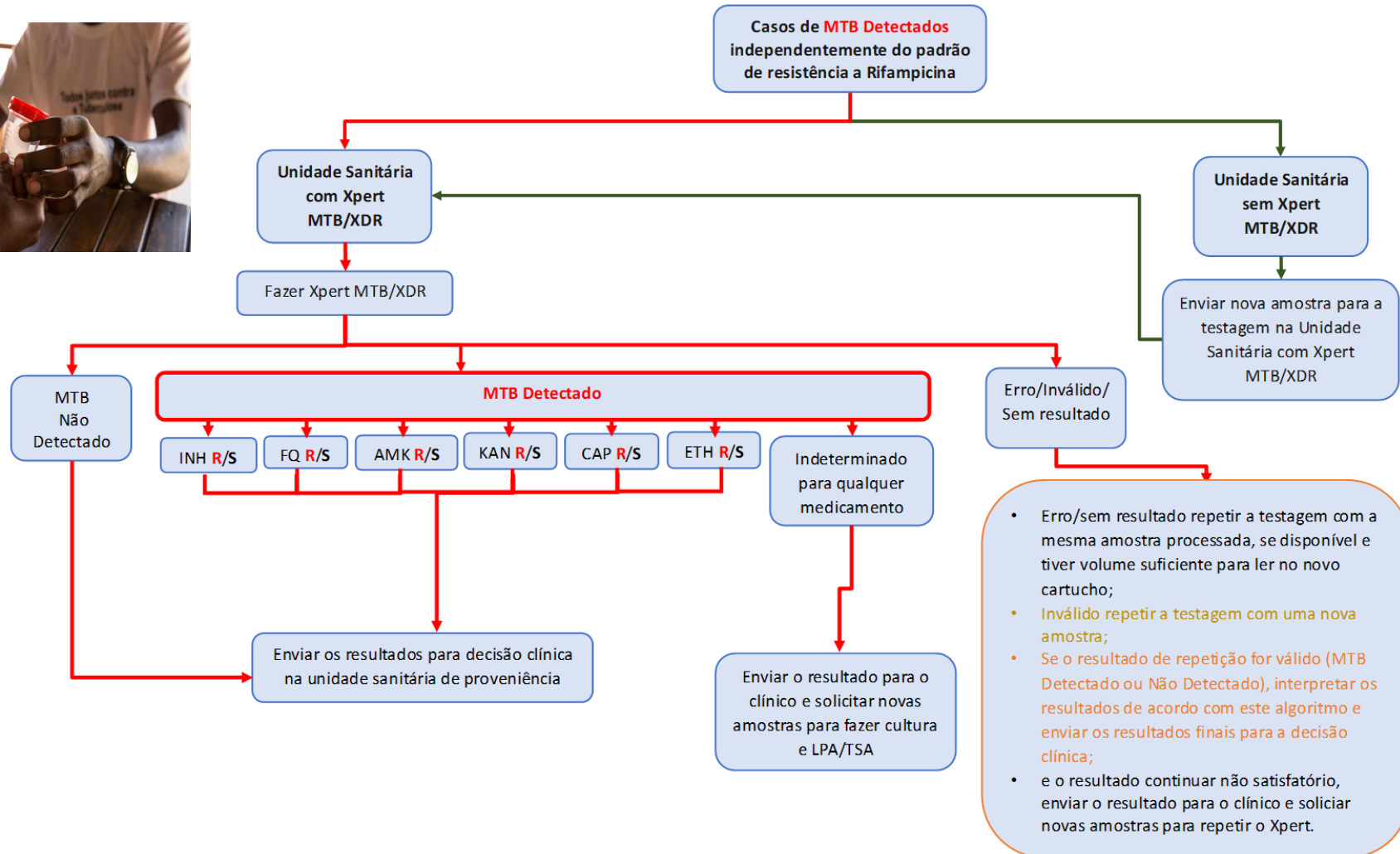
Diagnostic services	Number of laboratories
Smear microscopy	359
Xpert 6 colour	230
Xpert 10 colour	36
Truenat	22
Culture	3
Phenotypic DST (FL, SL)	3
LINE PROBE ASSAY	3
WGS	1



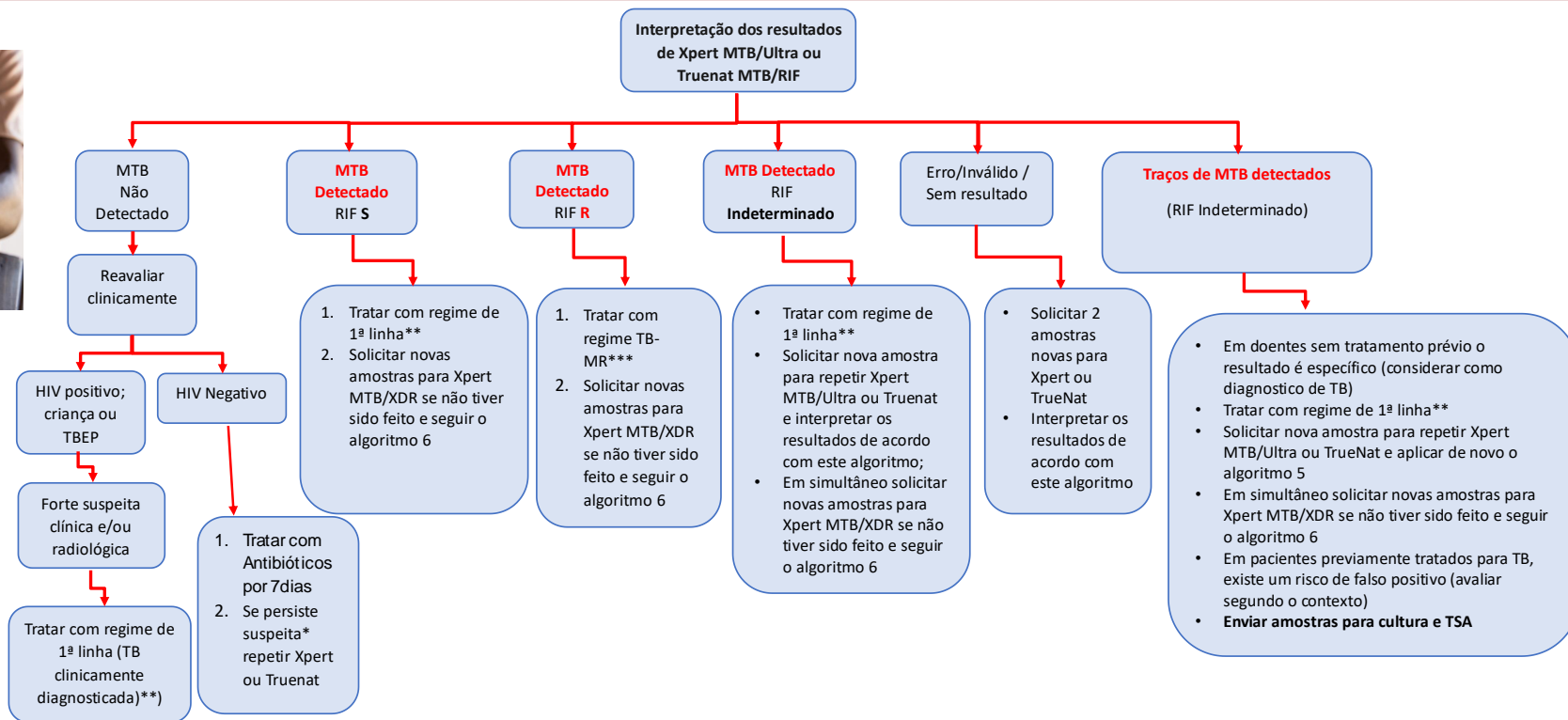
Sample testing algorithm in Xpert MTB/Ultra (for laboratory use)



Sample Testing Algorithm in Xpert MTB/XDR (for laboratory use)



Algorithm for Interpreting Xpert MTB/RIF or Truenat MTB/RIF Results (for clinical use)



* Alguns diagnósticos diferenciais de TB:

- Outras causas infecciosas pulmonares (abscesso pulmonar, infecções fúngicas e parasitoses pulmonares)
- Patologia pulmonar crónica (Bronquite crónica, bronquiectasias)
- Cardiopatias
- Outras patologias associadas ao HIV (Sarcoma de Kaposi pulmonar, Pneumonia Intersticial Linfóide, PCP)
- Atenção! Os pacientes com HIV e imunodepressão avançada podem ter várias patologias em simultâneo

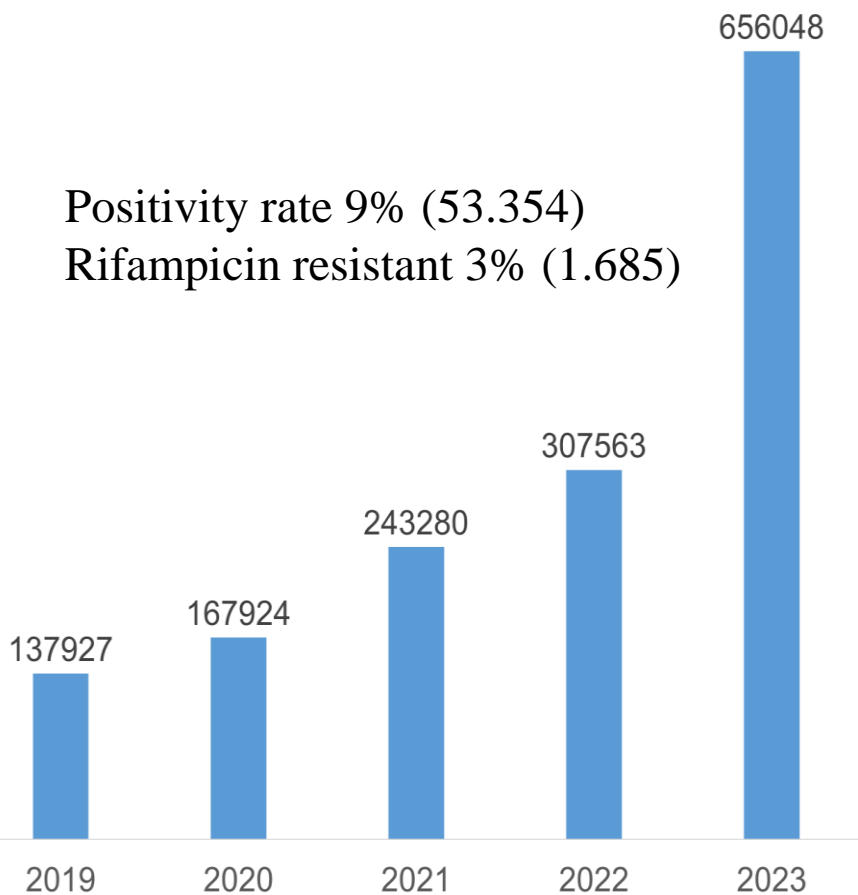
** Pacientes com contacto com TB-Resistente, iniciar tratamento igual ao do caso índice, independentemente do resultado de Xpert/TrueNat

*** Pacientes com Resistencia a rifampicina detectada, poderão precisar um regime de TB-XR, de acordo com a história de contacto.

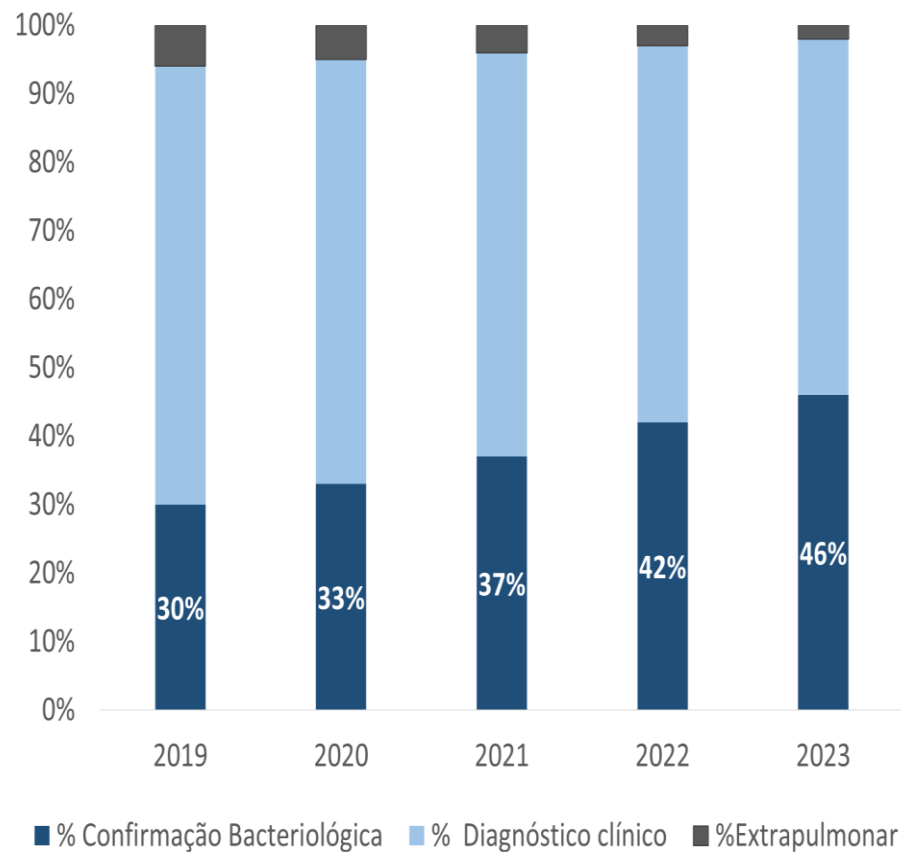


Trend of xpert testing VS bacteriological confirmation

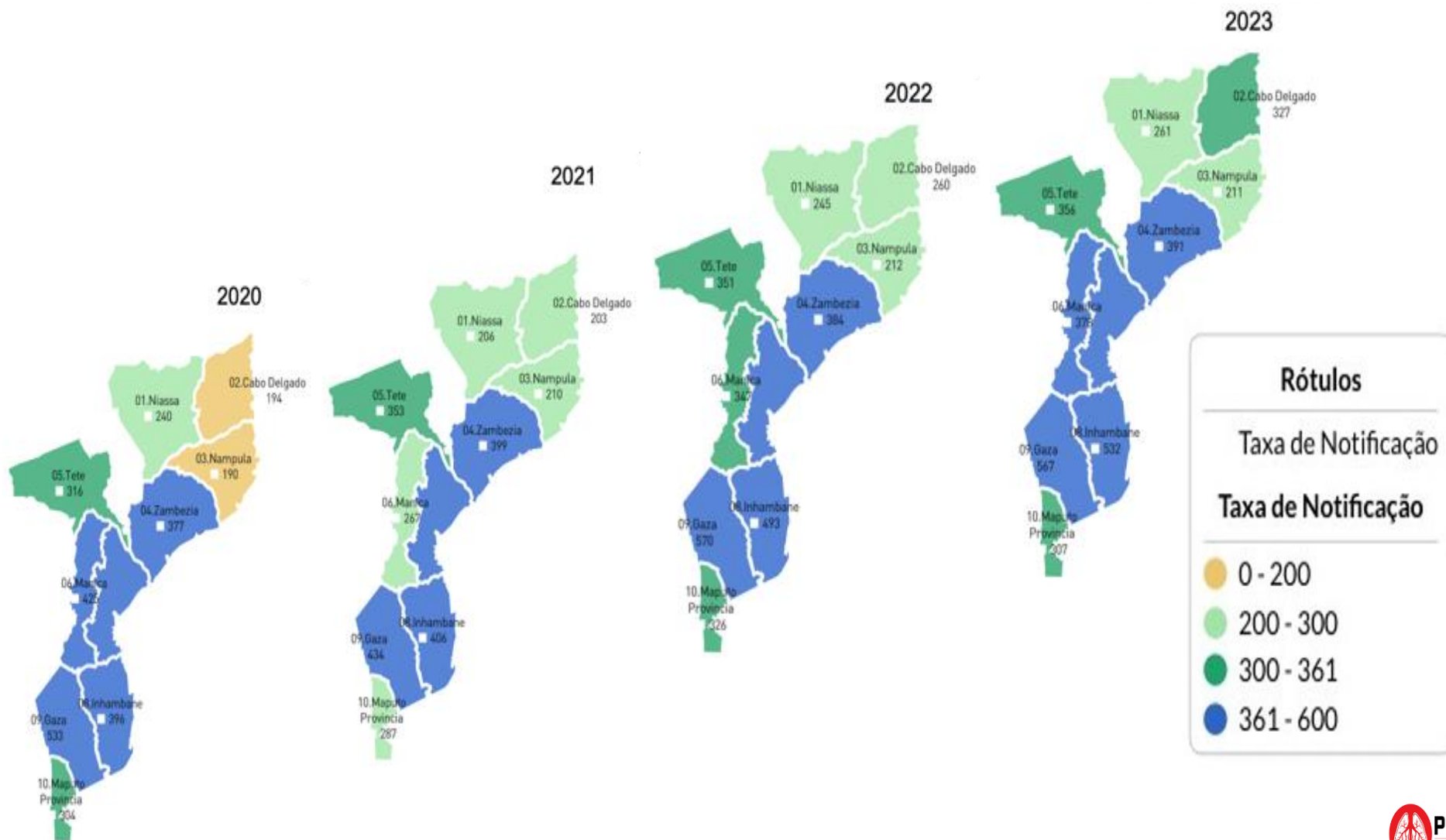
GeneXpert



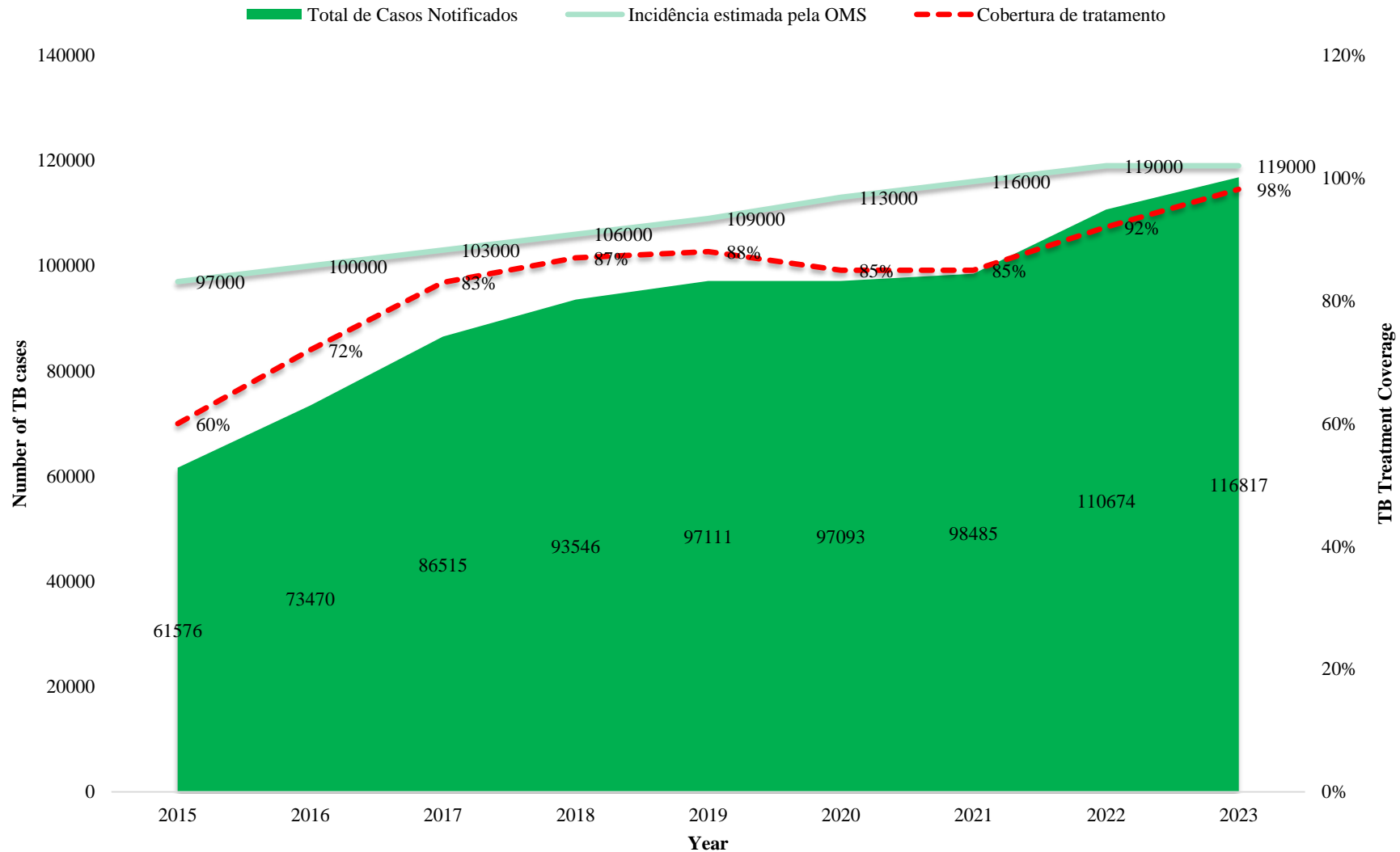
Tendência da taxa de confirmação bacteriológica



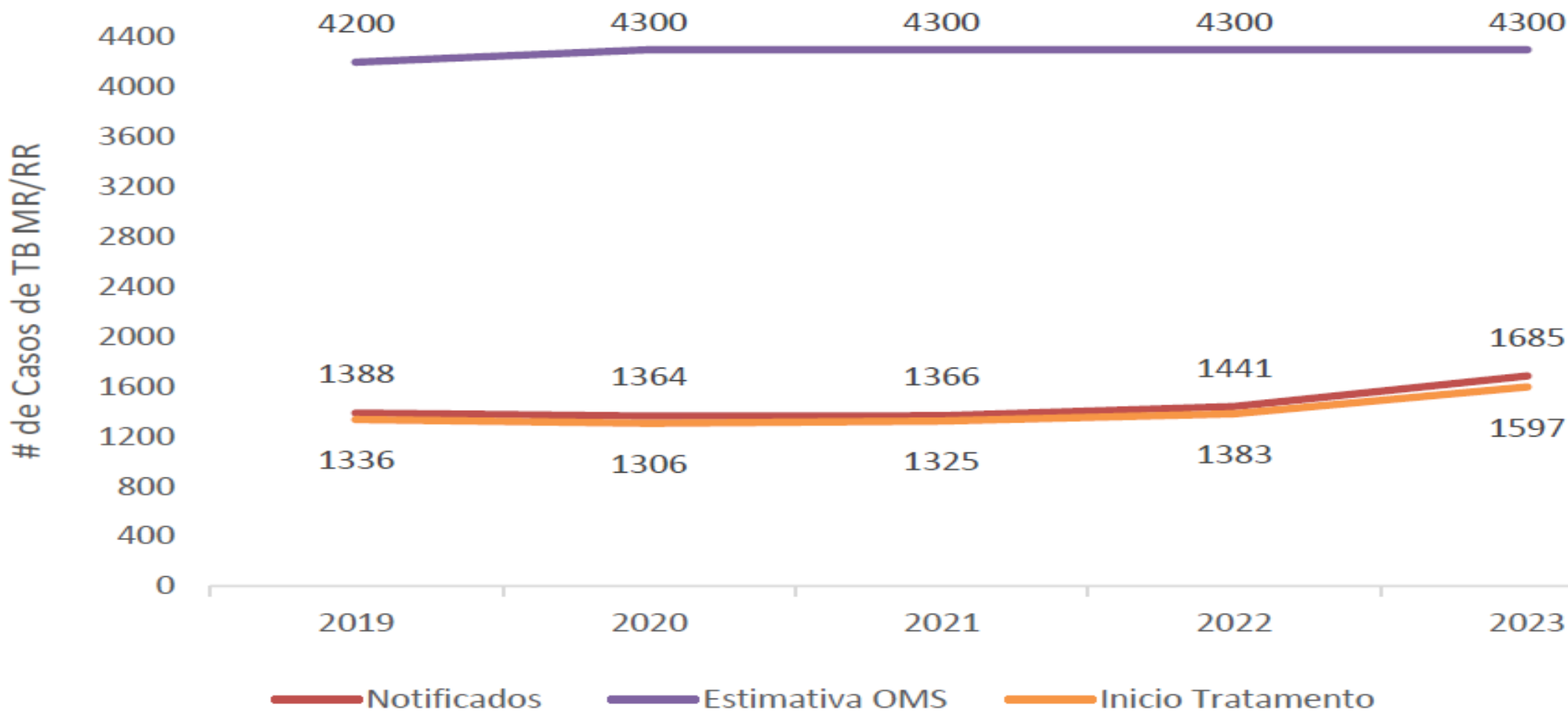
TB All Forms *notification rate trend*



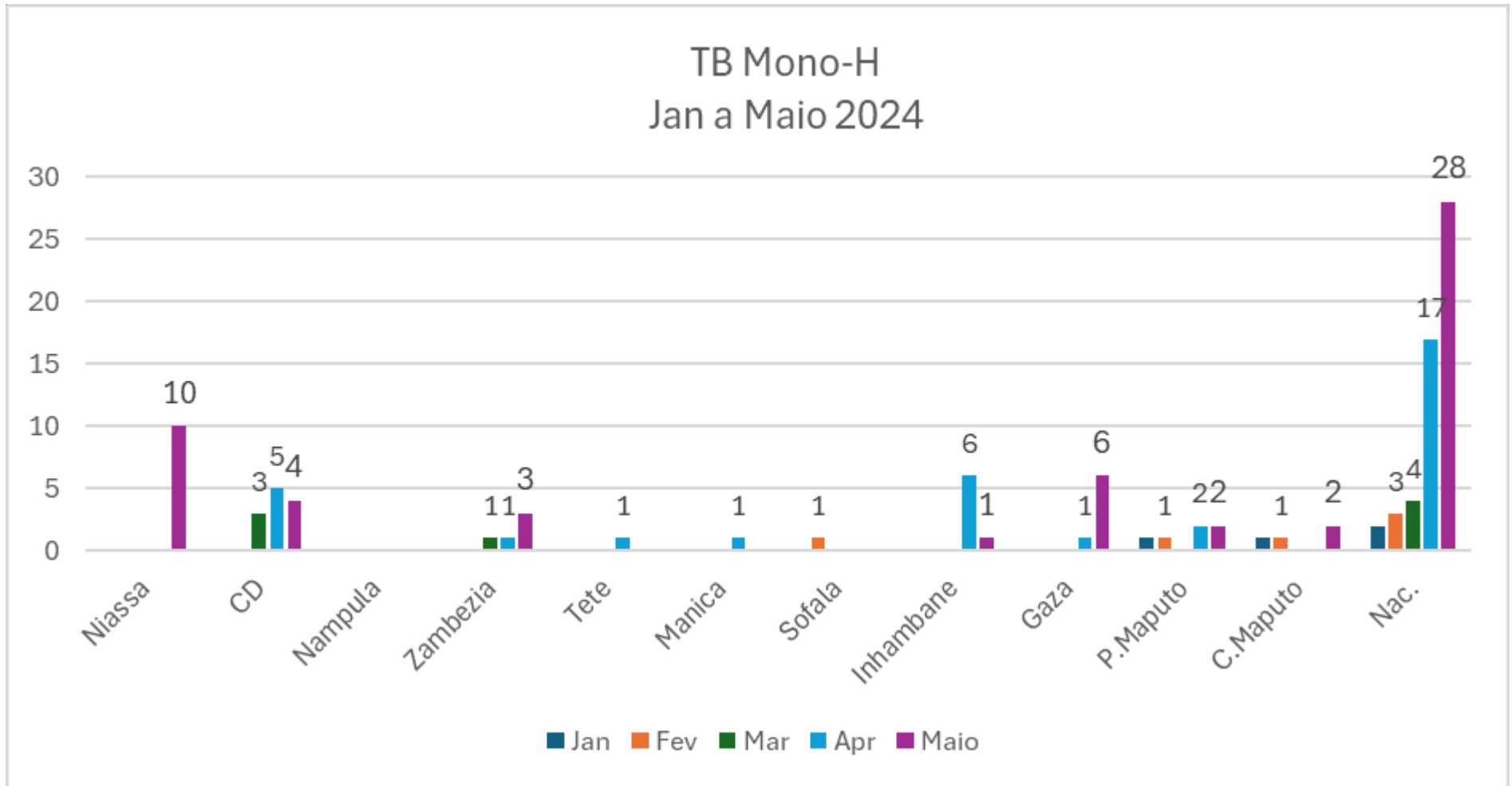
Trends in notification of TB cases in all forms



MDR-TB case notification trend



Hr-TB situation



Implementation plan



Implementation plan

#	Implementation plan	2023	2024	2025	2026
1	Procurement of lab equipment and supplies	36	0	35	35
2	Equipment distribution		Done	Continue	Continue
3	Update of guidelines		Done		
4	Training of laboratory personnel		Ongoing	Continue	Continue
5	Training of clinician		Ongoing	Continue	Continue
6	Gradual replacement of Xpert 6 color modules for 10 color			Start	Finish



Challenges

- Inefficient sample referencing system;
- Reporting system under development



SIM!

NÓS PODEMOS

ACABAR COM A TUBERCULOSE!

