

arcTB: Accelerating Regimens and Care for DR-TB

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РЕГИОНАЛЬНЫЙ СЕМИНАР ПО ВОПРОСУ УСКОРЕННОГО ВНЕДРЕНИЯ

РУКОВОДСТВА ВОЗ ПО ПРОФИЛАКТИКЕ И ДИАГНОСТИКЕ ТУБЕРКУЛЕЗА И ЛЕЧЕНИЮ ТУБЕРКУЛЕЗА С ЛЕКАРСТВЕННОЙ УСТОЙЧИВОСТЬЮ (ЛУ-ТБ)

REGIONAL WORKSHOP ON ACCELERATED IMPLEMENTATION OF WHO GUIDELINES

ON TB PREVENTION, DIAGNOSIS, AND DRUG-RESISTANT TB (DR-TB) TREATMENT







arcTB: Driving Impact Across the Full DR-TB Care Cascade

Search

- Active case-finding
- Contact investigation
- Test properly using latest WHO recommendations

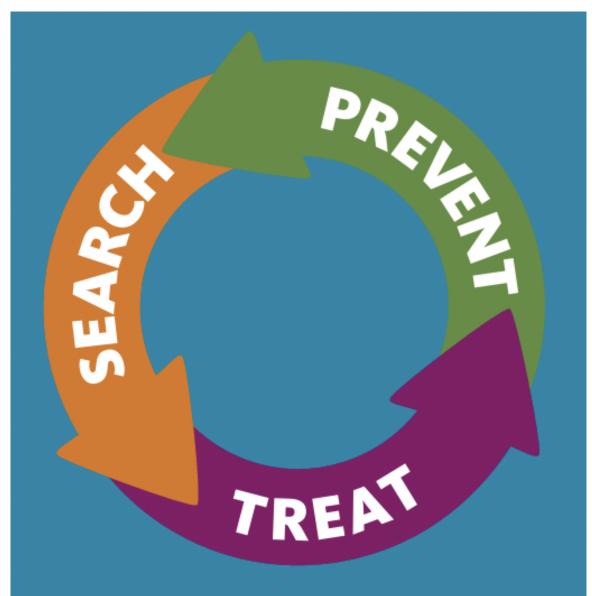
Treat

Effectively with new DR-TB regimens,
including the newly recommended endTB
and BEAT TB regimens

Support through treatment and after

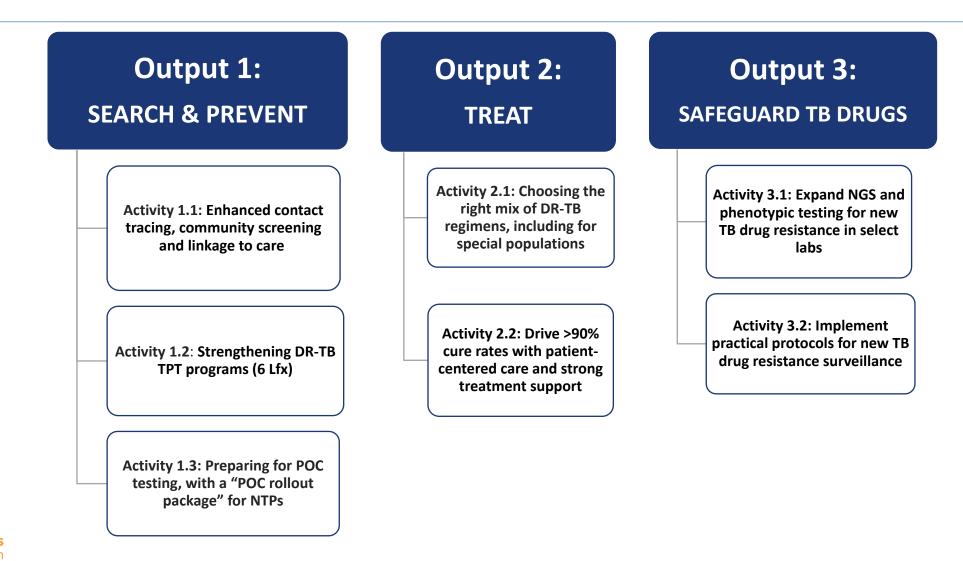
Prevent

- Treat exposure to DR-TB with 6Lfx
- Protect people from exposure



arcTB Project Overall Activities



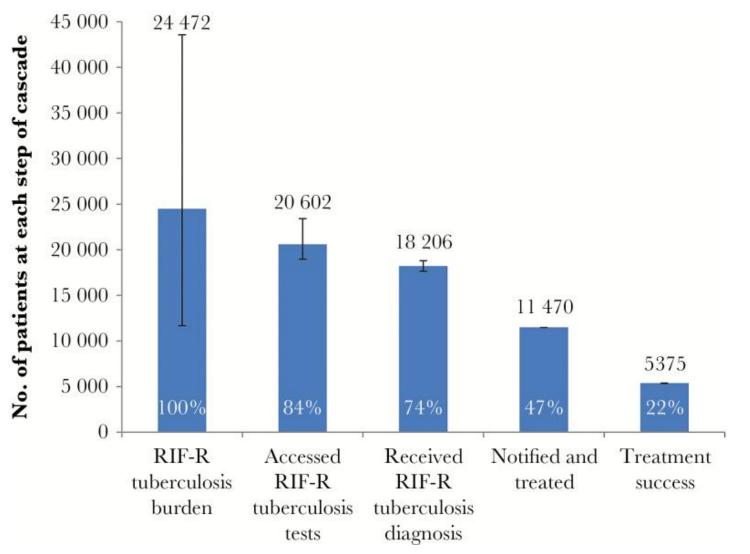






Challenges in the DR-TB Care Cascade

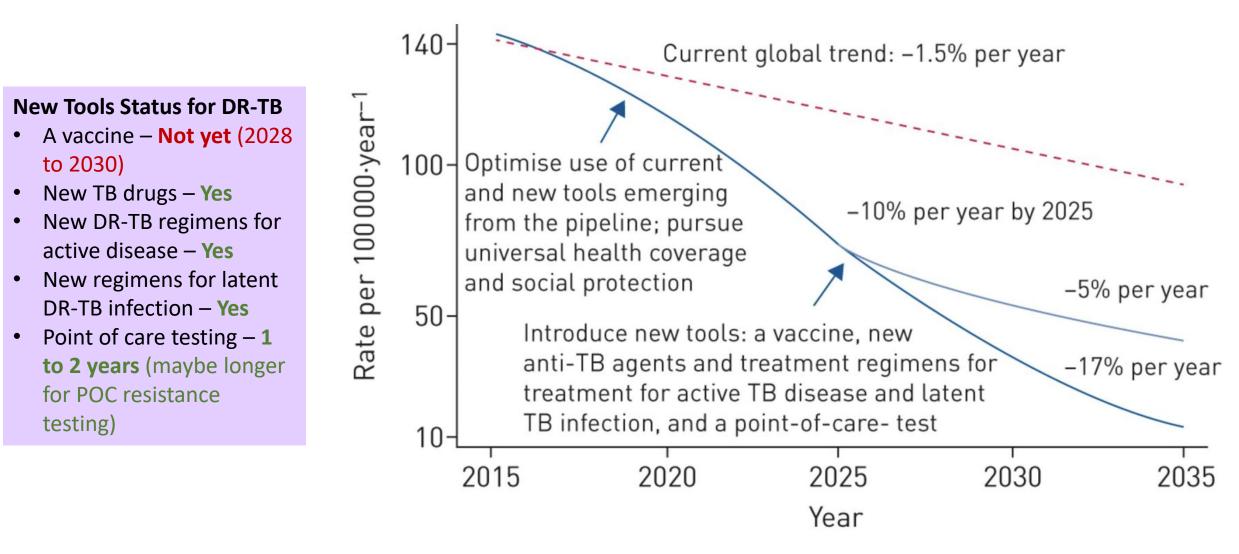
- Significant attrition across the DR-TB care pathway
- Example (South Africa, 2017): Only 22% of RR-TB patients complete the full cascade
- **arcTB** strengthens every stage of the cascade
- Countries should analyze and track losses at each stage



*Naidoo P, Theron G, Rangaka MX, Chihota VN, Vaughan L, Brey ZO, Pillay Y. The South African Tuberculosis Care Cascade: Estimated Losses and Methodological Challenges. J Infect Dis. 2017 Nov 6;216(suppl_7):S702-S713.

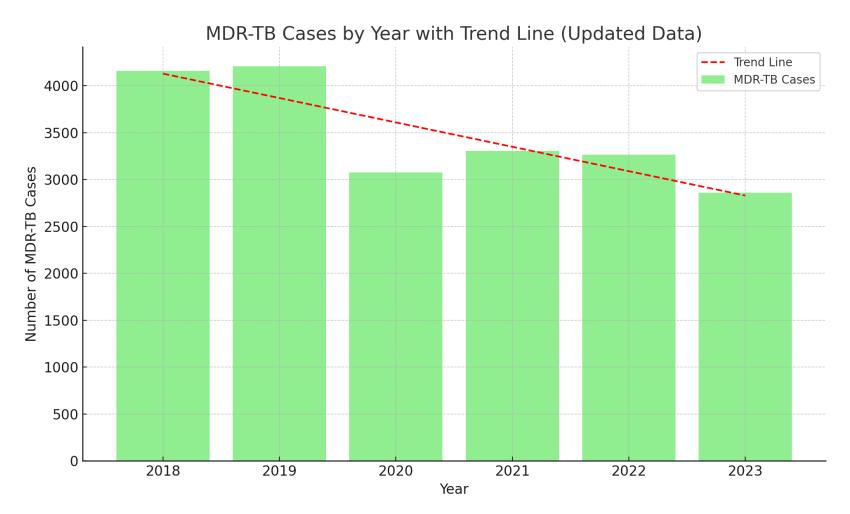






Reference: Matteelli A, Rendon A, Tiberi S, Al-Abri S, Voniatis C, Carvalho ACC, Centis R, D'Ambrosio L, Visca D, Spanevello A, Battista Migliori G. Tuberculosis elimination: where are we now? Eur Respir Rev. 2018 Jun 13;27(148):180035.

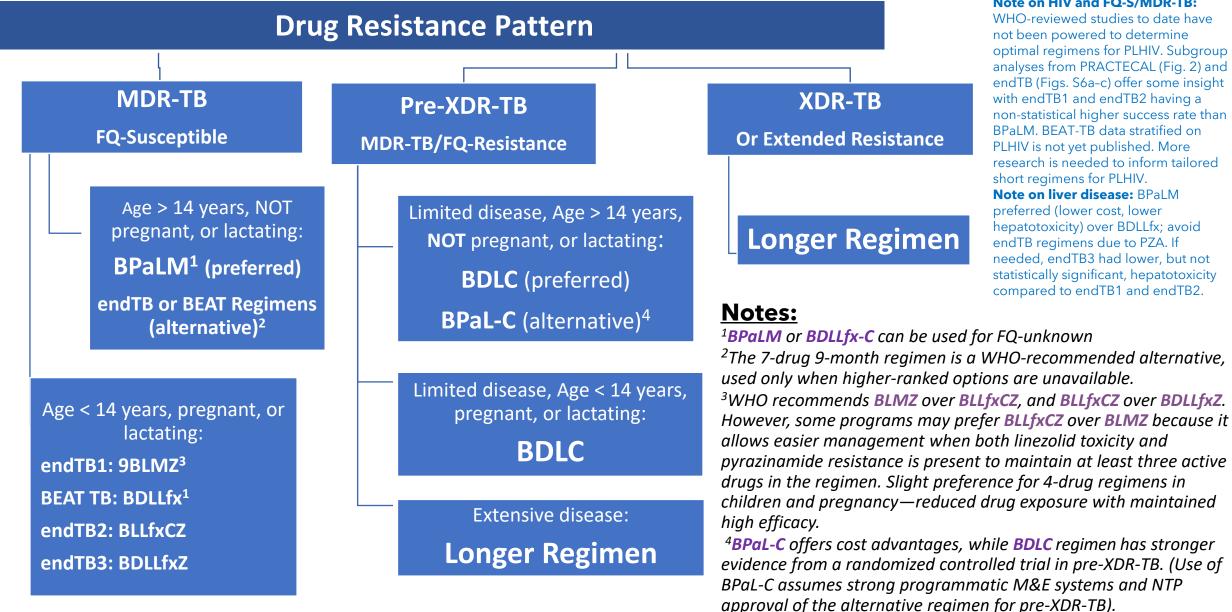




Average percentage decline over the six years = 31.2% Annual percentage of decline = 5.2%

arcTB: Helping Countries Find the Right Mix of DR-TB Regimens

Illustrative Decision-Making Framework



Note on HIV and FQ-S/MDR-TB:

WHO-reviewed studies to date have not been powered to determine optimal regimens for PLHIV. Subgroup analyses from PRACTECAL (Fig. 2) and endTB (Figs. S6a-c) offer some insight with endTB1 and endTB2 having a non-statistical higher success rate than BPaLM. BEAT-TB data stratified on PLHIV is not yet published. More research is needed to inform tailored short regimens for PLHIV. Note on liver disease: BPaLM preferred (lower cost, lower hepatotoxicity) over BDLLfx; avoid endTB regimens due to PZA. If needed, endTB3 had lower, but not statistically significant, hepatotoxicity compared to endTB1 and endTB2.





Dr. Lawrence Oyewusi, an MDR-TB program manager, reviews a scan of a patient's lungs at Botsabelo Hospital in Maseru, Lesotho. Photo by Karin Schermbrucker for Partners In Health



arcTB **Summary**

arcTB is a dynamic multi-country initiative that drives the rollout of shorter DR-TB regimens under the latest WHO guidelines, as part of Unitaid's TB portfolio. Through innovative tools and a strong qualityof-care package, arcTB aims to spark demand, expand access, and reach the maximum number of people living with DR-TB.

arcTB consortium:











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> **THANK YOU!** СПАСИБО!