



INNOVATIVE APPROACHES FOR ACCESS TO NEW ANTI-TB MEDICINES AND REGIMENS

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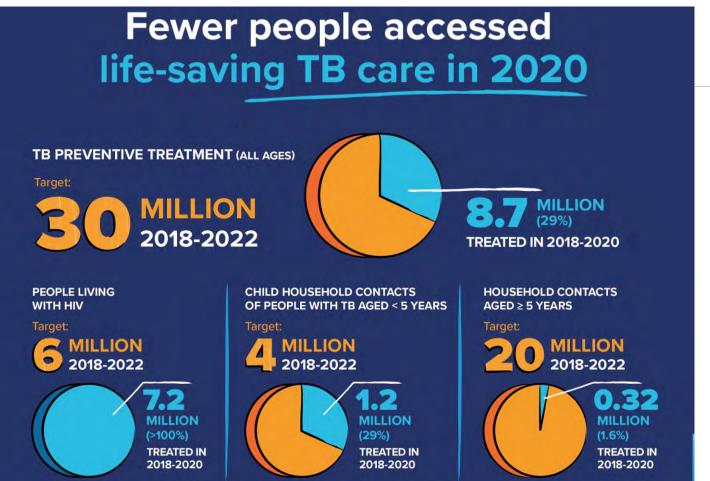




TB IS THE SECOND TOP INFECTIOUS KILLER



MILLIONS CONTINUE TO MISS OUT ON ACCESS TO LIFE-SAVING TB PREVENTION AND CARE





MILLION PEOPLE

FELL ILL WITH TB*



WHO GLOBAL TB PROGRAMME: LEADING EFFORTS TO END TB



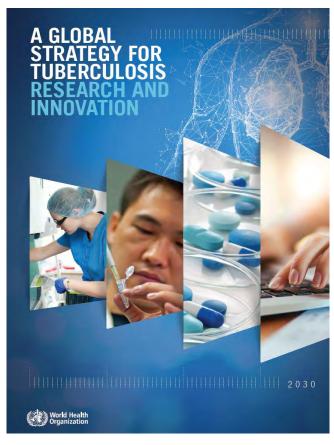
Shape the TB research and innovation agenda, generation, translation and dissemination of knowledge

Set norms and standards on TB prevention and care and facilitate their implementation

Develop and promote ethical and evidence-based policy options for TB prevention and care



RESEARCH AND INNOVATION



Objectives of the global strategy

Create an enabling environment for TB research & innovation

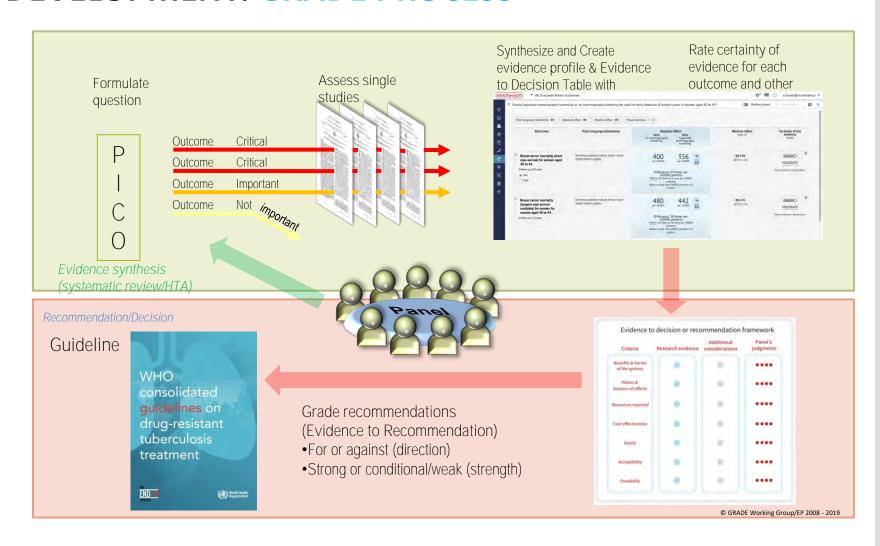
Increase financial investments in TB research and innovation

Promote and improve approaches to data sharing

Ensure equitable access to the benefits of research and innovation



GUIDELINE DEVELOPMENT: GRADE PROCESS



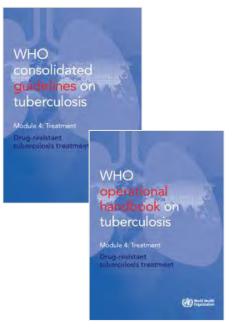


GUIDELINE DEVELOPMENT: REGULAR UPDATE/ DIGITAL FORMAT





GUIDELINE DEVELOPMENT: RAPID COMMUNICATION FOR FASTER UPTAKE









2022: RAPID COMMUNICATION

- 6-month BPaLM and BPaL regimens
- 9-month, all-oral, bedaquiline-containing regimens
- Individualized longer regimens for patients with XDR-TB and those not eligible or those who failed shorter regimens





ACTIVE AND EARLY ENGAGEMENT WITH PARTNERS:

GLOBAL CLINICAL DEVELOPMENT PIPELINE/ EVIDENCE AVAILABLE IN 2021-22,

Phase IIIa

Bedaquiline (TMC-207)b

Delamanid (OPC-67683)b

Pretomanid^b

High-dose rifampicin for treatment of drugsusceptible TB

Bedaquiline–delamanid–linezolid–levofloxacin– clofazimine (6-month oral regimen for RR-TB) or bedaquiline–delamanid–linezolid–clofazimine (6–9 month oral regimen for pre-XDR and XDR-TB) (BEAT TB trial)

Bedaquiline-pretomanid-moxifloxacinpyrazinamide (BPaMZ) (SimpliciTB trial)

Bedaquiline–pretomanid–linezolid (**ZeNix trial**) - Linezolid optimization

Bedaquiline with two OBRs^c (all-oral, 9 months; with injectable, 6 months) (STREAM trial)

Bedaquiline-linezolid-levofloxacin with OBR ^c for MDR-TB (**NExt trial**)

Bedaquiline and delamanid with various existing regimens for MDR-TB and XDR-TB (endTB trial)

Bedaquiline-delamanid-linezolid-clofazimine for fluoroquinolone-resistant MDR-TB (endTB-Q)

Several 2-month regimens for drug-susceptible TB (TRUNCATE-TB trial)

DR-TB

- STREAM phase 2
- BEAT TB trial (SA)
- SimpliciTB
- ZeNix evidence used in 2022 DR-TB GDG
- NExT evidence used in 2022 DR-TB GDG
- TB PRACTECAL evidence used in 2022 DR-TB GDG
- MDR-FND

DS-TB

- TRUNCATE-TB
- RIFASHORT
- PredictTB
- CLO-FAST



- Modified shorter regimens for MDR/RR-TB, implementation of ShORRT protocol with TDR support (BPal for FQ-R and modified STR for FQ-S for 6-9months)
- BPaL for pre-XDR-TB with support of KNCV and TB Alliance (BPaL with Lzd 600mg)
- Modified shorter regimen for MDR/RR-TB, EURO initiative (39 weeks Lfx-Bdq-Lzd-Cfz-Cs or Lfx-Bdq-Lzd-Cfz-Dlm)
- BEAT TB India prospective cohort (Bdq-Dlm-Lzd-Cfz)







GLOBAL CLINICAL DEVELOPMENT PIPELINE:

LONGER TERM PERSPECTIVE

UNITE4TB

Innovative Medicines Initiative
(IMI)
European Union
The European Federation of
Pharmaceutical Industries and
Associations (EFPIA)

PAN-TB collaboration
Project to Accelerate New Treatments for
Tuberculosis
Bill & Melinda Gates Medical Research
Institute and the Bill & Melinda Gates
Foundation
Evotec, GSK, Johnson & Johnson, Otsuka
Pharmaceutical



New concepts for Phase 2 trials to develop successful regimens with new medicines ready for phase 3 research



INVEST TO END TB, SAVE LIVES.

THANK YOU!



