

# Policies and challenges related to the introduction of new drugs and regimens for DR-TB patients

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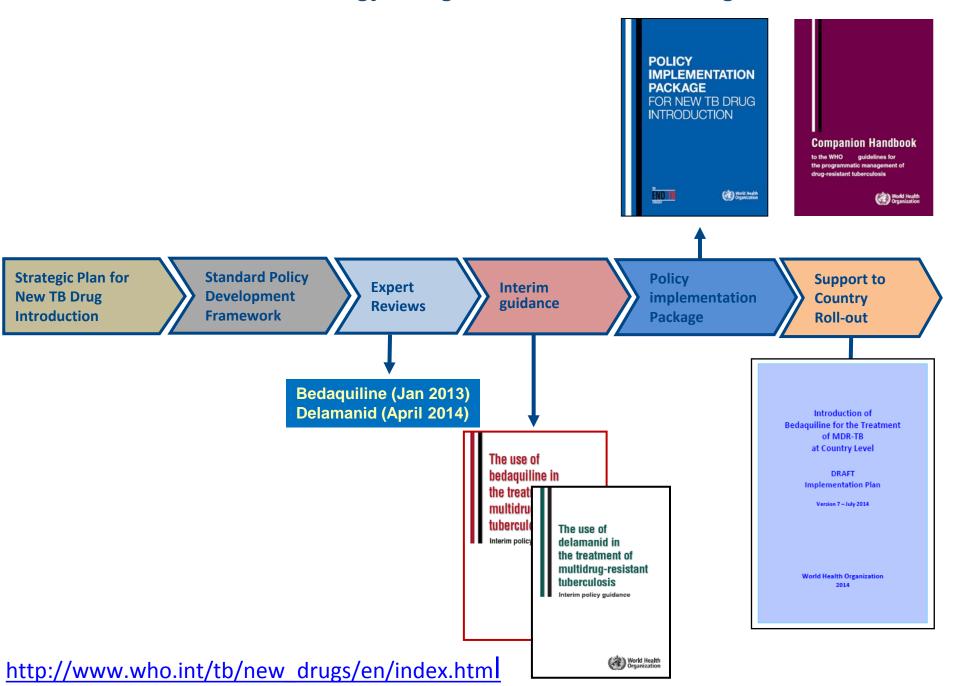
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#### WHO's strategy and guidance for new TB drug introduction



# The WHO Strategic Plan for rational introduction of new TB drugs and regimens in countries

#### **Key Principles:**

- Need for combination regimen(s)
- Adaptation to largely variable country settings (health & NTP infrastructure, TB epidemiology, level of preparedness, etc.)
- Ensure equitable access to safe and quality-assured new drugs for all patients in needs
- Prevent misuse of the drugs and emergence of resistance
- Multistage and pluri-partner process.



WHY THIS GUIDANCE?

The likely introduction of new drugs or drug regimens for the

he responsible use of new drugs as part of set combination

regimens for the treatment of DS- or DR-TB:

conduct surveillance of drug-resistance;

the prevention of emergence of new drug resistance

ent of DS- or DR-TB will have a series of public health

- The aim is to improve access to quality TB care and to protect against the emergence of drug resistance.

  \*\*People living with HIV need TB drugs with no or low drug-drug interactions with antiretrovirals;

  \*\*A strategic roadmap was then developed, with the support of the Task Force, to guide WHO's timely development of the Task Force, to guide WHO'
  - of the Task Force, to guide WHO's timely development of appropriate policy guidance on treatment of DS- or DR-TB and related rational introduction and use. The roadmap also includes WHO's role in supporting Member States in the rollout of recommended new drugs within defined regimens in programmatic conditions.
  - The WHO Strategic and Technical Advisory Group for Tuberculosis (STAG-TB) endorsed this roadmap in June, 2012.

#### SEE REVERSE FOR THE ROADMAP STEPS

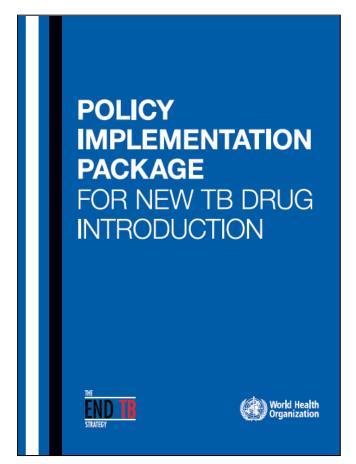
For more information please visit our website http://www.who.int/tb/new\_drugs





## WHO Policy Implementation Package for Rational Introduction of New TB Drugs or Drug Regimens in Countries

- 1. Minimum requirements for country preparedness and planning.
- 2. Implementation plan for introduction of new TB drugs or regimens.
- 3. Pharmacovigilance (active drug safety monitoring and management) and drug resistance surveillance.
- 4. Private sector engagement.
- 5. Systems approach for ensuring uninterrupted supply of quality-assured medicines .
- 6. Operational research



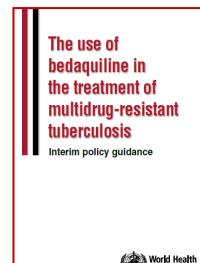


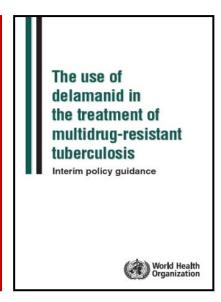


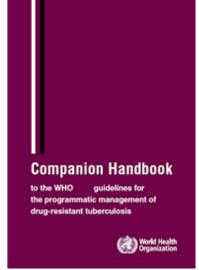
#### Guidance on the use of new TB drugs

- Expert consultations to evaluate new TB drugs/regimens coming out of the pipeline and revise/update treatment guidelines as appropriate
  - development of interim guidance for the use of bedaquiline
  - development of interim guidance for the use of delamanid
  - backed-up by the Companion
     Handbook on WHO guidelines for

     PMDT











### Interim policy guidance on the use of bedaquiline

"Bedaquiline may be added to a WHO-recommended regimen in adult patients with pulmonary MDR-TB, under five specific conditions"

"conditional recommendation, very low confidence in estimates of effect"

http://apps.who.int/iris/bitstream/10665/84879/1/9789241505482\_eng.pdf?ua=1.

**WHO – June 2013** 

The use of bedaquiline in the treatment of multidrug-resistant tuberculosis

Interim policy guidance





### Interim policy guidance on the use of bedaquiline

#### 5 conditions:

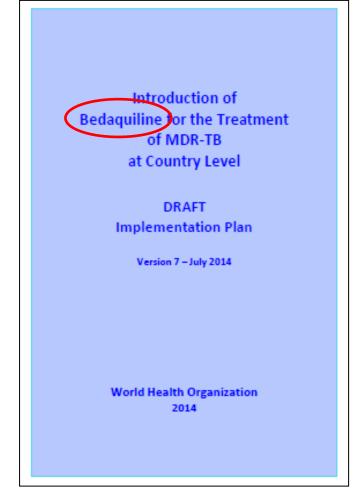
- 1. Proper selection of patients
- 2. Patient informed consent required
- 3. Treatment design based on WHO recommendations
- 4. Close monitoring conditions
- 5. Active pharmacovigilance and management of AEs





# Implementation Plan for introduction of bedaquiline in countries

- Step 1: Establish the framework for the introduction of bedaquiline at country level
- Step 2: Meet the minimal requirements for introduction of bedaquiline
  - checklist to assist in country preparedness
- Step 3: Develop a national plan for introduction of bedaquiline
- Step 4: Implement the introduction of bedaquiline in pilot sites
- Step 5: Generate evidence for scale up







#### Work with 'early implementing countries'

- Countries have expressed interest in working with WHO for introduction of bedaquiline (BDQ) in programme conditions, following WHO recommendations
- Political will and funding for BDQ
- In general, high burden TB countries with
  - o high rates of DR-TB
  - o robust PMDT programs
  - referral centers to manage complicated patients









#### Work with 'early implementing countries'

- Initial workshop involving all key stakeholders (NTP, MoH, NRA, NPV, etc.) and TA bodies/donors (GF, USAID, B&MGF, KNCV, etc..)
  - Outline of a country-specific National Implementation Plan
  - Establishment of national framework
  - Identification of pilot sites
  - Determination of target cohort
  - Laboratory aspects
  - Monitoring including recording and reporting
  - Establishment of plans for active drug safety management and monitoring in conjunction with key stakeholders
  - Discussion with NRAs on regulatory aspects and drug procurement
  - Timeline of activities
- Follow-up of activities at country-level





### Lessons learnt (1)

- Introduction of BDQ according to WHO recommendations seems to work and countries are very much willing to do this;
- Process requires careful planning, reinforcement of some aspects/ structure (lab, R&R, M&E, PV) and training;
- Inevitable delays/hurdles and logistical challenges (e.g. high level approval, waiver for drug import, drug order approved by GF, organization of active PV, etc.)
- Long term view to improve the way new drugs are introduced: find balance given urgent needs and slow implementation process;





### Lessons learnt (2)

- Model can be used for other new drugs and regimens as they become available;
- Need to streamline process for more countries and other new drugs;
- Train consultants, need to deliver updated information to donors, regulators
- Key role rGLCs to advise countries appropriately on ability to introduce new TB drugs/regimens and related activities



