TPT for Contacts of DR-TB:

what can we learn from TPT for contacts of DS-TB?

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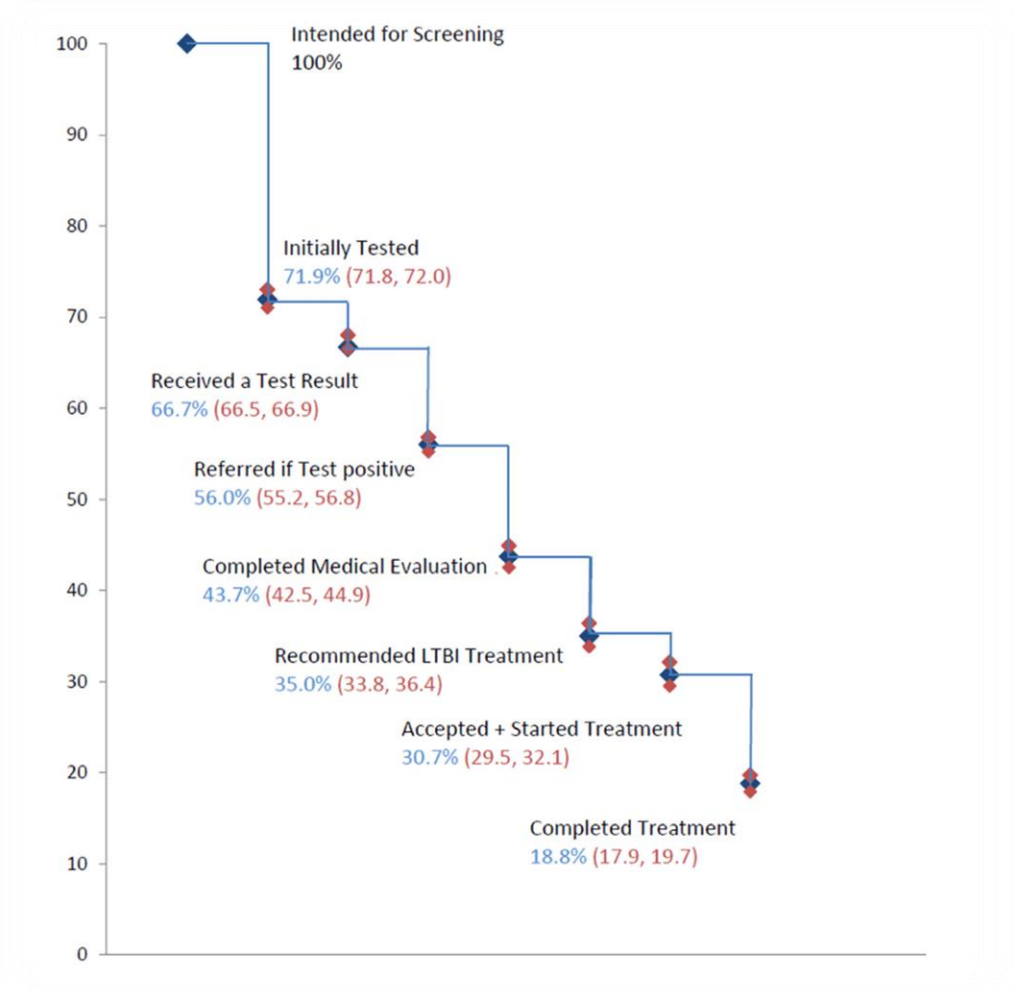
TB prevention therapy (TPT)

- **TB could be avoided** through TB preventive therapy (TPT)
  - TPT is critical to the TB elimination plan
  - Significant scale-up is required to have a significant public health impact
- **Current situation (for DS-TB):** the uptake of TPT is still low, despite availability of shorter and safer treatment regimens (4 - 1 months) i.e., 4R, 3HR, 3HP and 1HP
- **Challenges/Barrier to scale-up:**
  - Regimens are "long" and potential to cause side effects - affect treatment completion → efficacy
  - Doctors and nurses reluctant to offer TPT *and* people reluctant to take TPT
- **Safety of TPT regimens** is absolutely essential, since it will be given to otherwise healthy persons.

Cascade of Care of TPT

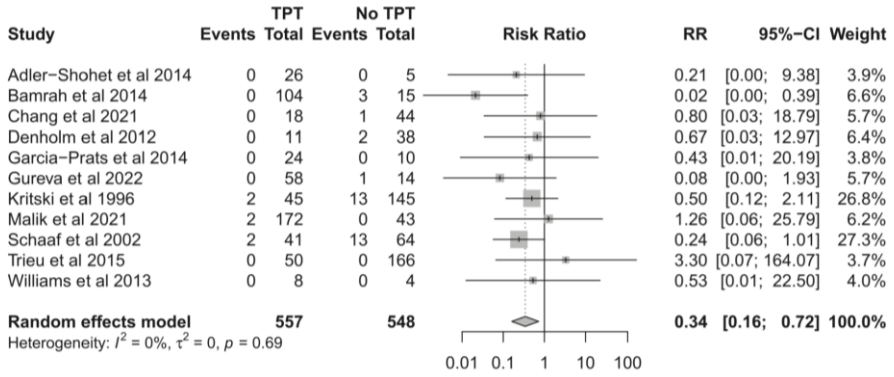


- **Gaps in each steps**
  - ~ 30% initiated TPT
  - ~19% completed TPT
- **Gaps in each steps, why?**
  - knowledge and understanding about TPT
  - both the community and health care workers
  - quality of care in each steps
- **Health system strengthening is needed**
  - to close the gaps
  - addressing local specific situation
  - involving all stakeholders in decision making

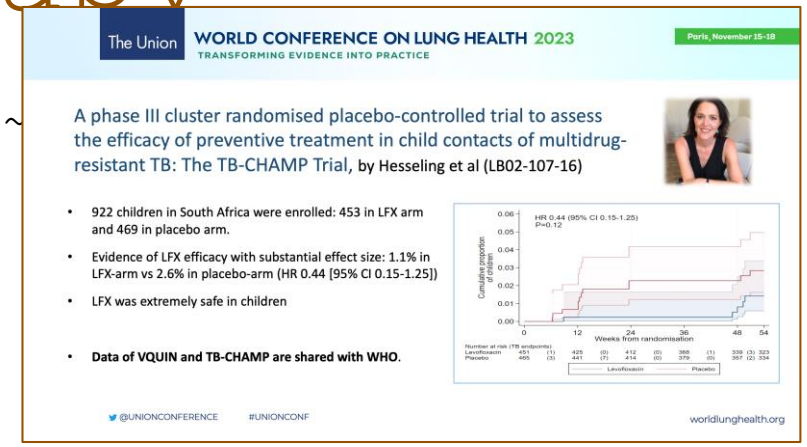
Alsdurf, Lancet ID, 2016, Oxlade, Lancet GH,

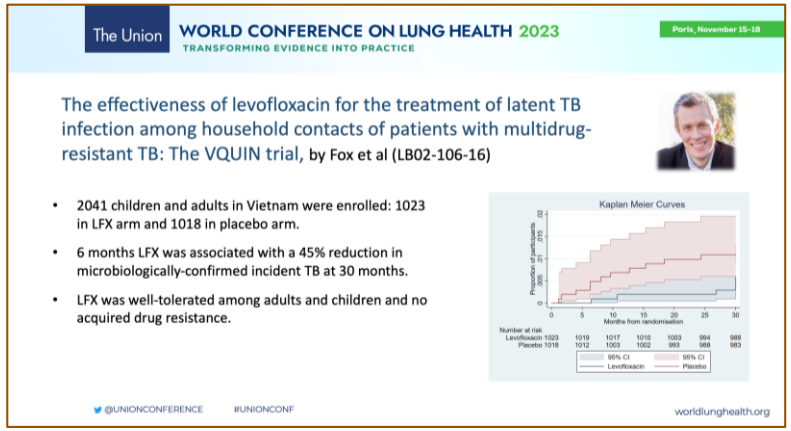
DR-TB Preventive Therapy

- Results from the TB-CHAMP and the V-QUIN trials (n~
  - Children and adults
  - 6-months of Levofloxacin vs placebo
  - 45% reduction of microbiologically-confirmed TB.
  - Safe and well-tolerated
- SR-MA (Zhou et al, CMI, 2024):



- Shorter (and safer) regimens?
  - Trials to find other regimens, head-to-head comparison (with 6-m Lfx)
- Candidates of the regimens? Esp. for FQ-resistant-TB contacts





Courtesy of A. Hasseling, Greg J Fox, Rapporteur Session, The Union World Conference, 2023

Summary

- TPT is critical for TB elimination plan (also for contacts of DR-TB)
- Cascade of care of TPT:
  - Comprehensive effort to close the gaps in each steps → increase the uptake of TPT
  - Addressing all possible barriers
  - **Approaching the close contacts with a better way: empathy, respect and give choices**
  - **Quality of care**
- Finding shorter and safer regimens is substantial (also relevant for DR-TB)
- Treatment regimen for fluoroquinolone-resistant-TB contacts
- Comprehensive approach (research) – multidisciplinary, i.e., patient and provider perceptions on TPT – better acceptability

Thank you