

Latent TB infection

panel and plenary discussion

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Estonia

Wolfheze workshops 2017

Situation of TB in Republic of Estonia:

Estonia is among 18 high-priority countries in WHO European region

Population – **1.3** million people

Strong political & financial commitment to TB control

191 notified TB cases in 2016 (166 new cases, 21 relapses)

TB incidence rates:

12,6 – new cases per 100 000

14,2 – new cases and relapses

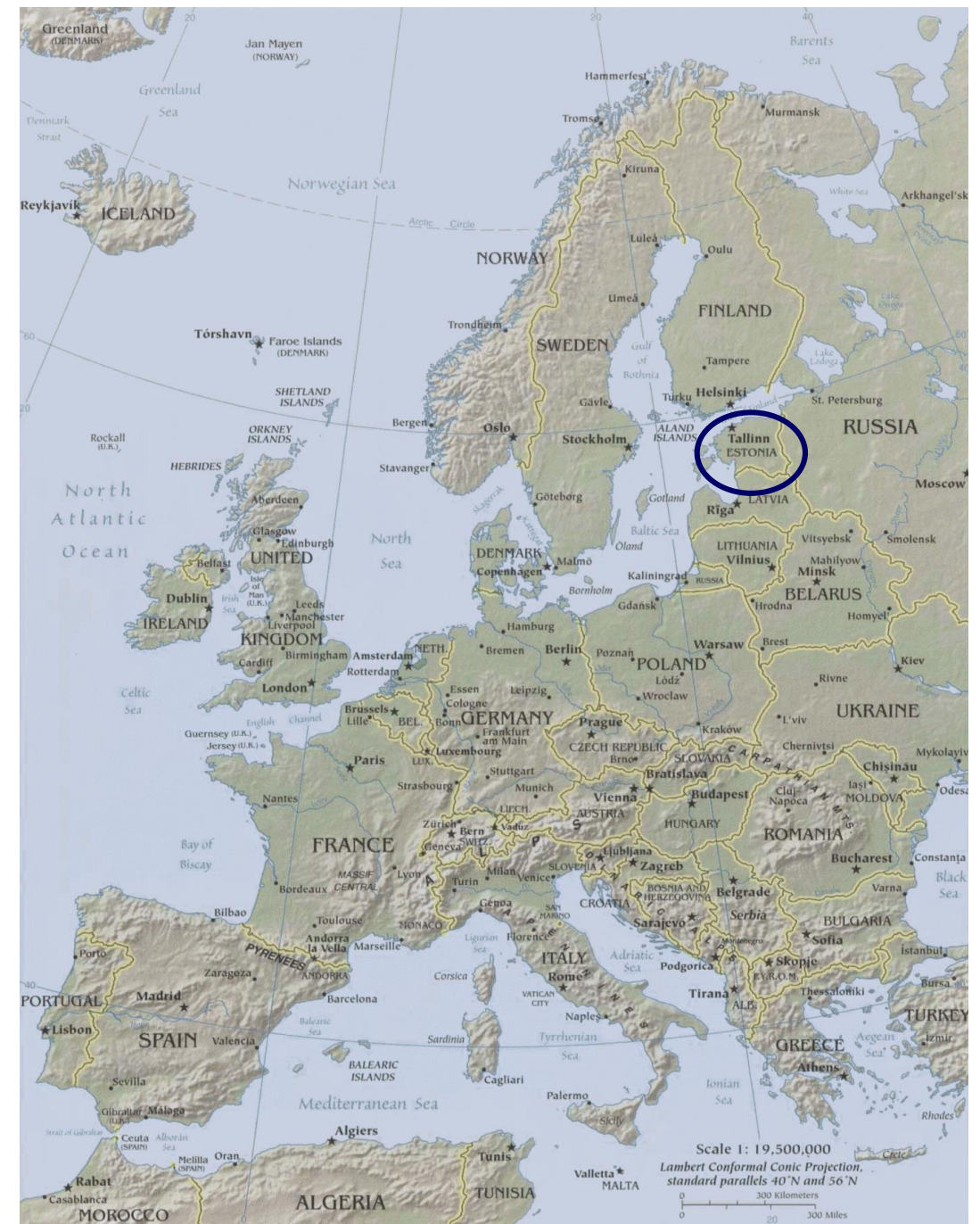
14,5 – all TB cases per 100 000

12,0% TB HIV-tested patients co-infected with HIV (n=22)

- 96, 3% HIV-tested

High rate of M/XDR-TB

- **12,8 %** of newly diagnosed culture positive pulmonary TB are MDR
- **50,0%** of previously treated cases are MDR



LTBI recommendations in National TB guidelines 2017

- LTBI treatment is recommended to patients initiating anti-tumour necrosis factor (TNF) treatment, patients receiving dialysis, patients preparing for organ or haematologic transplantation
- LTBI treatment is recommended to **close contacts** of infectious pulmonary TB-cases if:
 - index case is susceptible, LTBI is diagnosed, active TB is excluded
 - less than 5 years
 - immunocompromised
- LTBI treatment **is not recommended** to contacts of MDR-TB cases, they are followed up for 2 years
- Data of LTBI treatment is collected from 2017 in aggregated form

LTBI recommendations in National TB guidelines 2017

Challenge: LTBI among people living with HIV (PLHIV)

- LTBI treatment is recommended to PLHIV if
LTBI is diagnosed, TB is excluded and
there is a known TB contact with susceptible TB.
- For HIV-infected individuals who are anergic and have not had recent contact with anyone with infectious TB, treatment of LTBI is not associated with clinical benefit and **is not recommended**.
- **Goal is to have rapidly all PLHIV on ART** (regardless of CD4+ count)
- Estonia is high **M/XDR-TB** burden country
- HIV epidemic in Estonia started at the beginning of 2000s with **concentrated epidemic among IDUs** and their sexual partners
- Infectious disease doctors in Estonia follow CDC 2015 “Guidelines for the prevention and treatment of opportunistic Infections in HIV-Infected Adults and Adolescents” <http://aidsinfo.nih.gov/guidelines> and latest European guidelines (EACS 2017).