

# The road to ending Tuberculosis (TB)

TB eradication begins with accurate TB diagnosis

## Where is TB mostly found today?

TB is still endemic in many countries



Reactivation of LTBI in aging populations

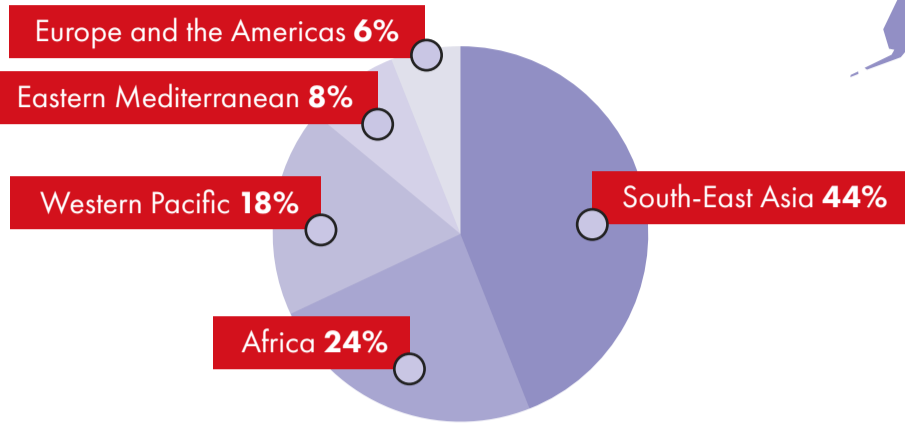


Delayed TB diagnosis

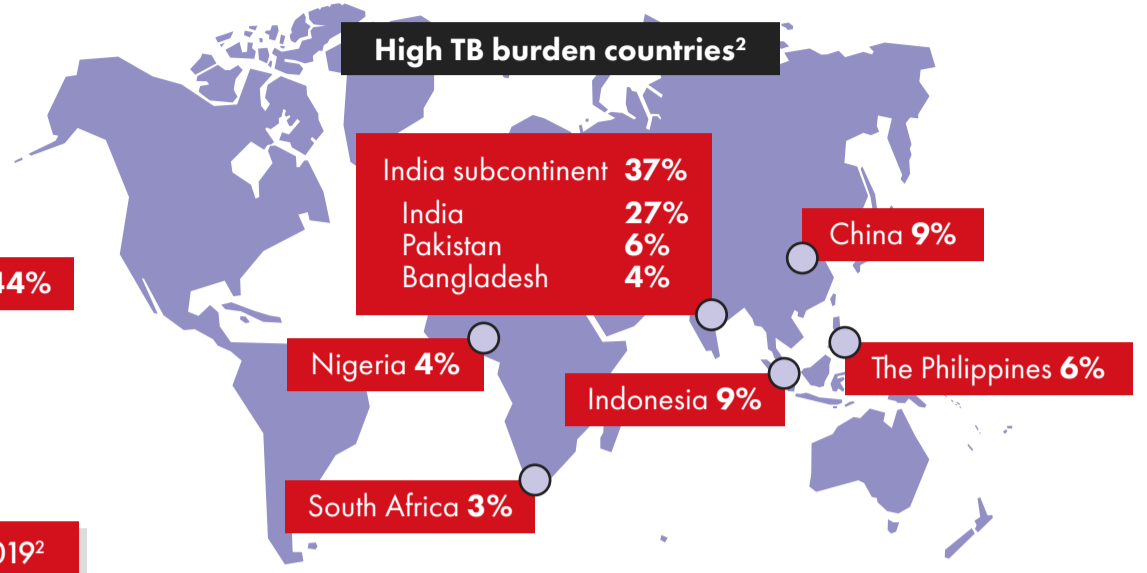


Migrant population from high TB burden countries

### High TB burden regions<sup>2\*</sup>



### High TB burden countries<sup>2</sup>



Estimated 10 million people diagnosed with active TB globally in 2019<sup>2</sup>

22 other countries account for 20% of the world's TB incidences

\* WHO's classification of regions.

## What is Latent TB Infection (LTBI)?

### Latent TB Infection

A form of TB with no symptoms. Immune system can control the infection.



### From Latent TB to Active TB

When the immune system is weakened, LTBI can become active TB.



Without TB preventative treatment, an estimated **1 in 10<sup>1</sup>** people with LTBI will develop active TB.



**1 in 4<sup>1</sup>** people in the world have LTBI.

Estimated 1.95 billion have LTBI<sup>2</sup>

## Who should get tested for LTBI?



### High risk groups



Close contacts of active TB cases

- People with chronic health problems
  - HIV positive
  - Receiving dialysis
  - Receiving immunosuppressive medications (i.e. Anti-TNF therapy)
  - Undergoing cancer treatment
  - Receiving organ, bone marrow & stem cell transplant
  - Silicosis lung disease

### High risk due to environment

People who have spent time in countries with high TB burden

- Healthcare workers
- Prisoners or prison employees
- Drug users
- Homeless

## Getting tested for LTBI



A TB skin test or TB blood test (e.g. T-SPOT<sup>®</sup> TB) can diagnose LTBI



BCG-vaccinated population

TB blood test should be used for these groups

Immunosuppressed people

## Why is treating LTBI important?



### Treating LTBI helps eradicate TB

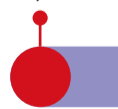
**10-15%** of LTBI population will progress to active TB<sup>3</sup>



### Less costly than treating active TB

LTBI **USD600** (for 3HP regime)<sup>4</sup>

Multi-drug resistant TB **USD513,000<sup>6</sup>**



Active TB **USD 18,000<sup>3</sup>**

### Shorter treatment regimen

LTBI **3 months** (for 3HP regime)<sup>7</sup>

Multi-drug resistant TB (MDR TB) **9-18 months<sup>7</sup>**



Active TB **6-12 months<sup>7</sup>**

Only **55%** of those with MDR TB can be cured<sup>8</sup>

WHO: Tuberculosis Key Facts. <https://www.who.int/news-room/fact-sheets/detail/tuberculosis>  
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