



Point-of-care viral load platforms and opportunities for TB/HIV integration



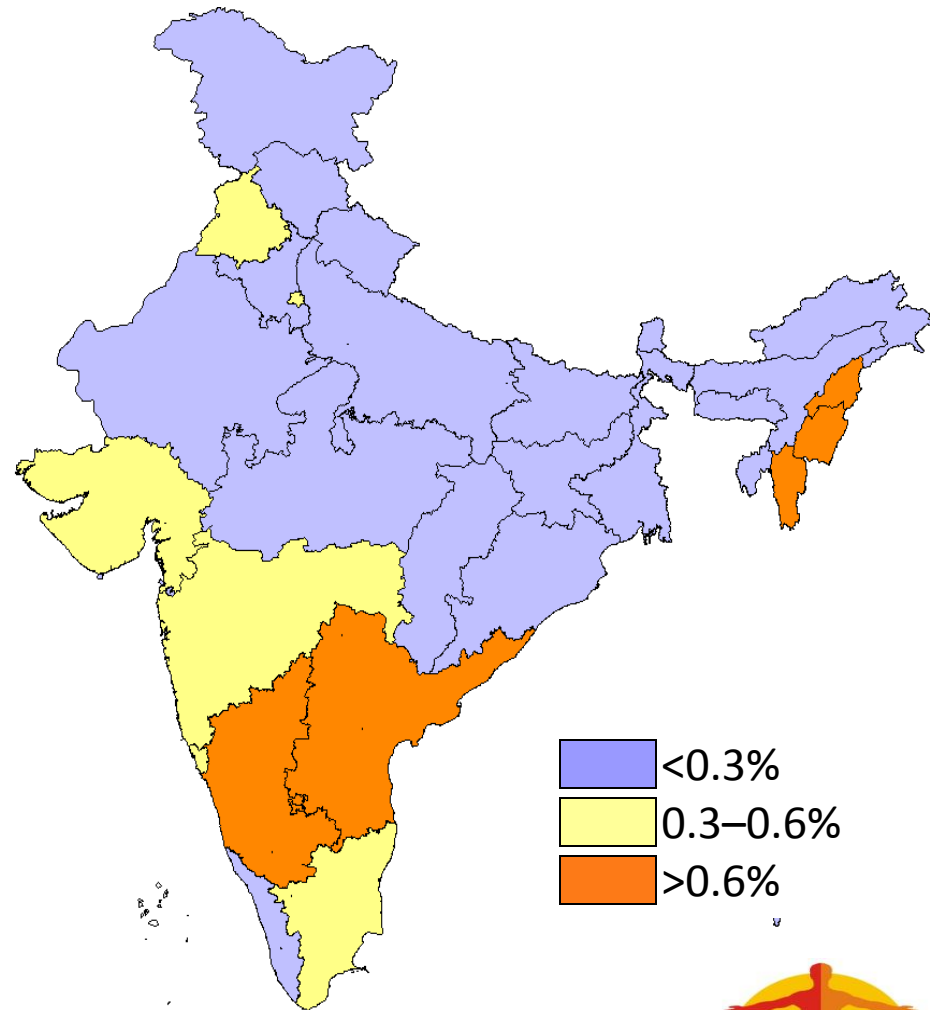
Dr K S Sachdeva
Additional Deputy Director General
Central TB Division
Ministry of Health & Family Welfare
Government of India



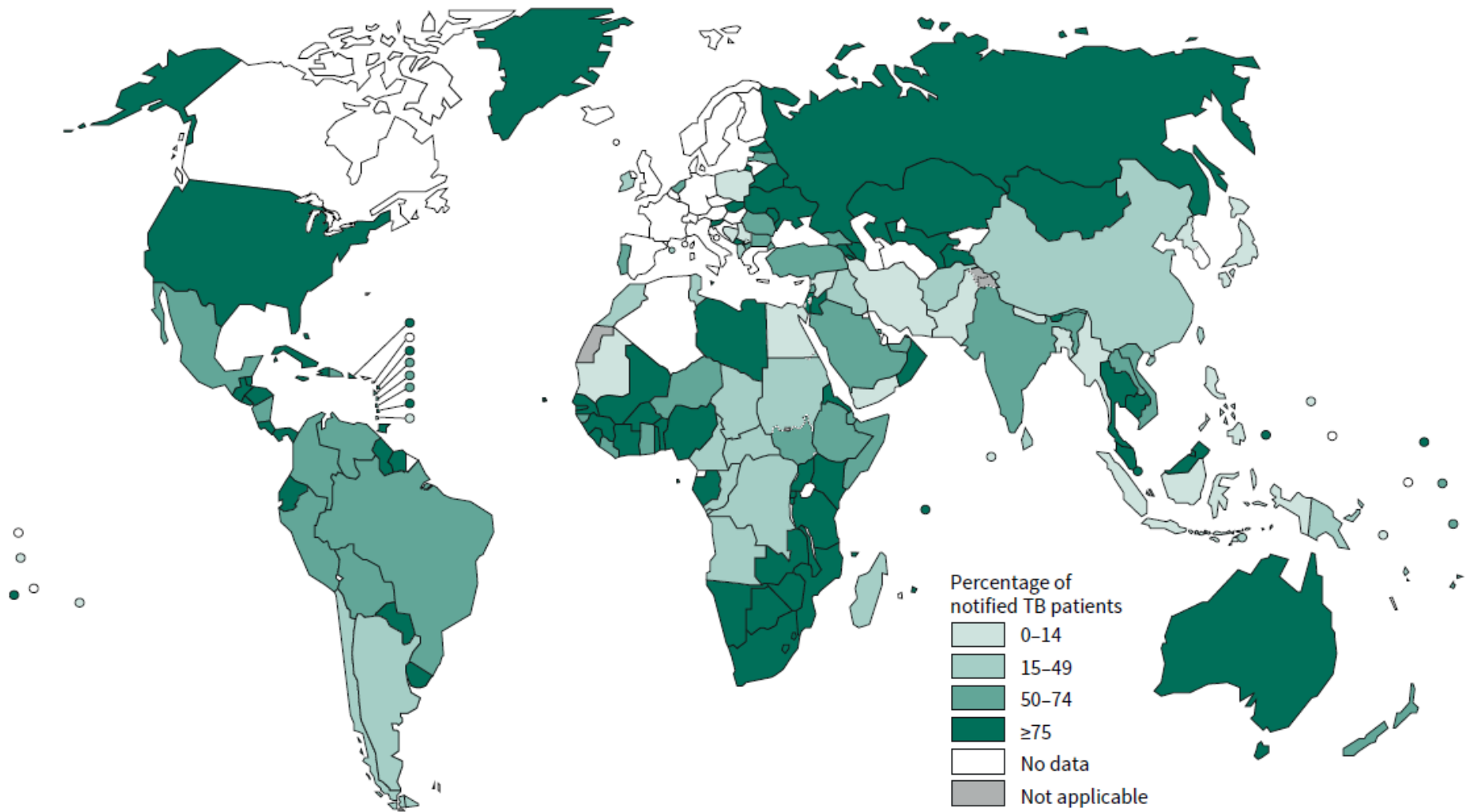
Joint Partners Forum for Strengthening and Aligning TB Diagnosis and Treatment
28th April 2015

Burden of HIV and TB in India

- HIV:
 - Estimated 2.1 million persons infected with HIV
 - 0.27% adult prevalence
 - 120000 incident cases, 38000 die every year
 - Heterogeneous distribution
- TB:
 - Estimated 2.1 million incident TB cases/yr
 - 5% of TB patients estimated to be HIV-infected with high mortality



48% global HIV testing coverage, 72% in India



Policy Landscape – TB/HIV Integration

- 2001: Offer HIV Counselling and testing in high risk TB patients, screen PLHIV for TB (Diagnosis of TB by Smear Microscopy)
- 2008: Intensified TB-HIV collaborative activities
- 2012: TB-HIV co-infected patients to be offered Xpert as MDR-TB suspects.
- 2013: PLHIV to be offered Xpert for diagnosis of TB and MDR-TB
- 2014: Provider Initiated Testing and Counselling (Presumptive TB patients in high HIV testing to offered HIV Counselling.
- 2014: Laboratory technicians at all designated microscopy centres to also perform HIV testing .

Xpert use in PLHIV

- RNTCP has also endorsed the **policy of prioritizing to offer rapid molecular test Xpert-MTB/Rif (CBNNAT) to all presumptive TB cases among PLHIV for early diagnosis of TB as well as Rif resistance.** Currently 119 such CBNAAT machines deployed across the country.



2014	Total HIV Tested at CBNAAT site (a)	Total TB detected from (a)	Total Rif resistance detected from (a)
Grand Total	10952	3403	384



Intensified TB case finding and treatment at high burden Anti-Retroviral Therapy (ART) centres



**Launched on
World TB Day
2015**

An Initiative to improve favorable treatment outcomes amongst TB-HIV co-infected patients

Scale up Plan – Xpert use for PLHIV across country

- 119 Xpert country available in country.
- 300 Xpert machines to be procured in 2015. This will allow holistic prioritization of Xpert use in PLHIV across country.
- 200 Xpert machines to be procured in 2015-16 (through GF-NFM)
- 500 more rapid molecular diagnosrics for TB planned to be procured in 2017-18



Is availability of a dual Xpert platform capable of performing TB diagnosis and HIV viral load likely to facilitate nation wide scale up

- This will create buy-in with policy makers for further integration of TB-HIV collaboration.
- Single window services –
 - Xpert deployment for viral load testing at anti-retroviral therapy centres will reduce loss through referral for TB diagnosis.
 - Xpert deployment at NTP facilities will further enhance HIV diagnosis and move it closer to community



Thank You