

WorldMEDSchool GLOBAL EDUCATION



Global Burden of Tuberculosis

- Burden, Strategy and Progress -

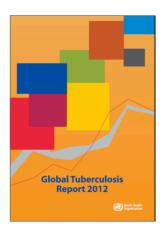
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Overview





- ✓ Burden of TB, TB/HIV, MDR-TB
- ✓ Strategy and targets
- ✓ Impact of interventions, and progress in control and care

The Global Burden of TB -2011





Estimated number of cases

Estimated number of deaths

1.4 million*

(1.3-1.6 million)

430,000 (400,000–460,000)

All forms of TB

8.7 million (8.3–9.0 million)

HIV-associated TB

1.1 million (13%) (1.0-1.2 million)

Multidrug-resistant TB

630,000

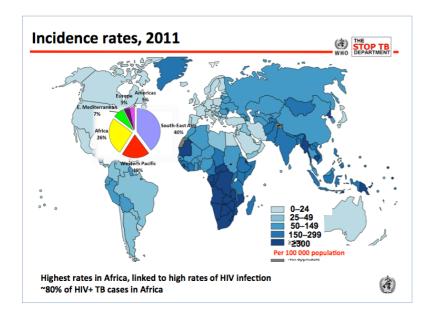
(460,000-790,000) out of ~12 million prevalent TB cases

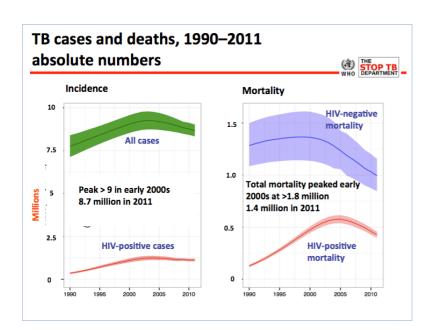
Unknown, but probably > 150,000

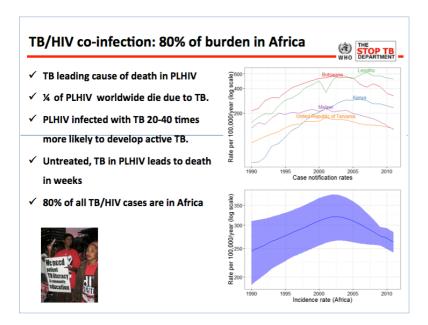
Source: WHO Global Tuberculosis Report 2012

* Including deaths attributed to HIV/TB

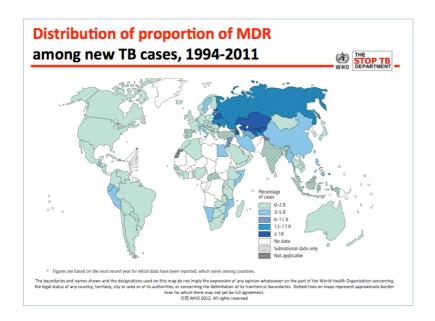


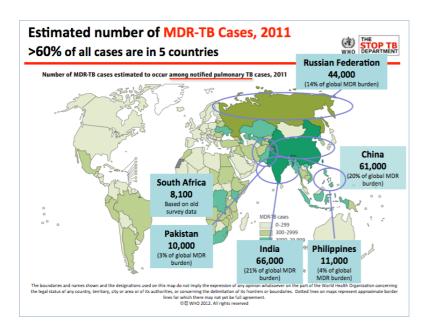


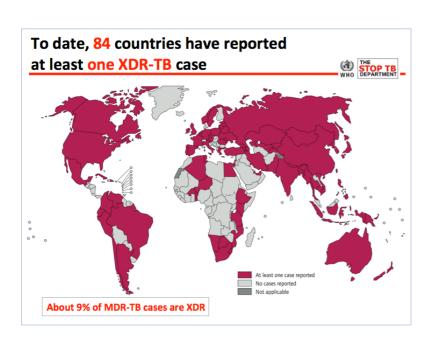




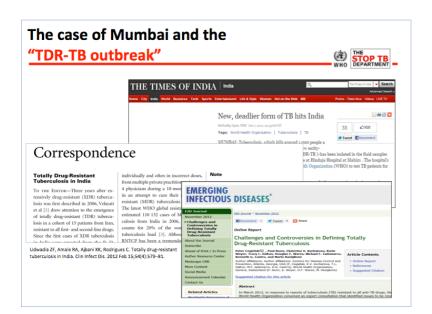












Overview Burden of MDR-TB

- ✓ Burden of TB, TB/HIV, MDR-TB
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The Global TB Control Targets

Global Tuberculosis





2015: Goal 6: Combat HIV/AIDS, malaria and other diseases

 $\underline{\text{Target 6c}};$ to have halted by 2015 and begun to reverse the incidence...

- *Indicator 6.9: incidence, prevalence and mortality associated with TB
- *Indicator 6.10: proportion of TB cases detected and cured under DOTS



2015: 50% reduction in TB prevalence and deaths compared to 1990

2050: elimination (<1 case per million population)



The global response:

Stop TB Strategy & Global Plan

- 1. Pursue high-quality DOTS expansion
- 2. Address TB-HIV, MDR-TB, and needs of the poor and vulnerable
- 3. Contribute to health system strengthening
- 4. Engage all care providers
- 5. Empower people with TB and communities
- Enable and promote research

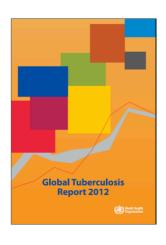
To save lives, prevent suffering, protect the vulnerable, & promote human rights



Overview



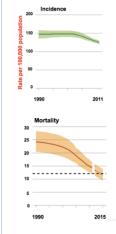
THE STOP TB DEPARTMENT



- ✓ Burden of TB, TB/HIV, MDR-TB
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Global Progress on impact

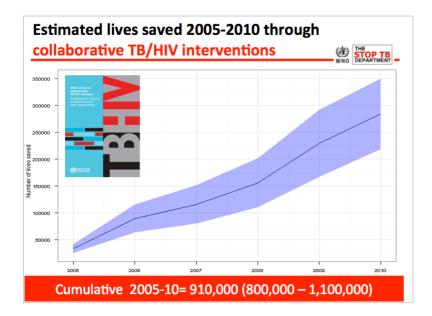




- ✓ 51 million patients cured, 1995-2011
- ✓ 20 million lives saved since 1995
- 2015 MDG target on track: global TB incidence rate peaked in early 2000s
- ✓ BUT, TB incidence declining too slowly, 1.4 million people still dying, MDR-TB response slow, gaps in financing







Global Report 2012 – main conclusions



- √ 51 million cured and 20 million lives saved since 1995
- ✓ Progress towards international targets evident
- ✓ TB death rate decreased by 41% compared to 1990
- ✓ Progress on some TB/HIV indicators

But...

- ✓ Still 8.7 million cases and 1.4 million deaths
- ✓ Incidence decline very slow
- ✓ Small progress on MDR-TB response
- ✓ Major financing gap in both implementation and R&D

What are the challenges in 2012 if we target

"elimination"?



- 1. Funding not secure; catastrophic expenditure for the poor
- 2. Only 2/3 of estimated cases reported or detected (late)
- 3. TB/HIV major impact in Africa
- 4. MDR-TB, with high burden in former USSR and China
- 5. Un-engaged non-state practitioners and communities
- 6. Weak health policies, systems and services
- 7. Social and economic determinants maintain TB
- 8. Research awakening: old diagnostics, drugs and vaccines



...many thanks to all



to all	
WHO DEPARTMENT	