Global TB and HIV-associated TB Situation

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Latest global TB Estimates - 2006

Estimated number of cases

- All forms of TB: 9.15 million (139 per 100,000)
- Multidrug-resistant TB (MDR-TB): 489,000
- Extensively drug-resistant TB (XDR-TB): ~35,000
- HIV-associated TB: 709,000 (8%)

Estimated number of deaths

- All forms of TB: 1.65 million (25 per 100,000)
- Multidrug-resistant TB (MDR-TB): ~130,000
- Extensively drug-resistant TB (XDR-TB): ~20,000
- HIV-associated TB: 231,000

Greatest number of cases in Asia; greatest rates per capita in Africa

Multidrug-resistant TB (MDR-TB) Extensively drug-resistant TB (XDR-TB) HIV-associated TB
Estimated HIV prevalence in new TB cases, 2006 (N = 709,000)

HIV prevalence in TB cases, (%)

- No estimate
- 0–4
- 5–19
- 20–49
- 50 or more

The boundaries and names shown and the designations used on this map do not imply the expression of any opinion whatsoever on the part of the World Health Organization concerning the legal status of any country, territory, city or area or of its authorities, or concerning the delimitation of its frontiers or boundaries. Dotted lines on maps represent approximate border lines for which there may not yet be full agreement.

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Geographical distribution of estimated HIV-positive TB cases, 2006

For each country or region, the number of incident TB cases arising in people with HIV is shown as a percentage of the global total of such cases. AFR* is all countries in the WHO African Region except those shown separately; AMR* excludes Brazil; EUR* excludes the Russian Federation; SEAR* excludes India.
TB is the commonest illness among PLHIV on ART

Most common OIs in first 3 months

- TB (pulmonary / extrap.)
- Herpes simplex disease
- Cryptococcal meningitis
- Pneumocystis pneumonia
- Oesophageal candidiasis
- Kaposi’s sarcoma
- Toxoplasmosis of the brain
- Bacterial pneumonia, recurrent

Sub-Saharan Africa

Europe & North America

Incidences rate (cases / 1000 pyrs)

Arch Intern Med. 2005;165:416-423

CROI 2007 – OIs – 28
HIV testing for TB patients, 2002-2006

Figures on top of bars indicate the percentage of all notified TB patients tested for HIV.

(Number of Countries reporting; % of total estimated HIV+ TB patients accounted for by those Countries)
Antiretroviral therapy for HIV-positive TB patients, 2003–2006

Figures on top of bars indicate the proportion of all HIV positive TB patients who received ART.

(Number of Countries reporting; % of total estimated HIV+ TB patients accounted for by those Countries)
Intensified TB case finding, diagnosis of TB and IPT provision among PLWHA, 2006

(Number of Countries reporting; % of total estimated HIV+ TB patients accounted for by those Countries)
Countries with XDR-TB confirmed Cases as of February 2008

Based on information provided to WHO Stop TB Department - February 2008
A new vision…

New challenges require the new Stop TB Strategy

The Global Plan 2006-2015 clearly outlines what needs to be done and the costs

2006-2015: 56 billion US$ necessary to control TB of which 6.7 b$ for TB/HIV

Estimated gap 3 b $ also due to under-budgeting
Total TB control budgets in 2008 in 22 high-burden and 64 other countries vs the Global Plan

Countries are underestimating TB/HIV budgets compared to needs!