

Brazil

Tuberculosis profile

Population 2015

208 million

Estimates of TB burden*, 2015	Number (thousands)	Rate (per 100 000 population)
Mortality (excludes HIV+TB)	5.5 (5.2–5.9)	2.7 (2.5–2.8)
Mortality (HIV+TB only)	2.2 (1.2–3.6)	1.1 (0.56–1.7)
Incidence (includes HIV+TB)	84 (72–97)	41 (35–47)
Incidence (HIV+TB only)	13 (11–15)	6.3 (5.3–7.3)
Incidence (MDR/RR-TB)**	2.3 (1.9–2.8)	1.1 (0.91–1.3)

Estimated TB incidence by age and sex (thousands)*, 2015

	0-14 years	> 14 years	Total
Females	3.8 (2.2–5.4)	24 (14–33)	28 (17–38)
Males	4.3 (3–5.6)	52 (41–64)	57 (44–69)
Total	8.1 (6.2–10)	76 (69–83)	84 (72–97)

TB case notifications, 2015

Total cases notified	82 202
Total new and relapse	75 072
- % tested with rapid diagnostics at time of diagnosis	22%
- % with known HIV status	79%
- % pulmonary	87%
- % bacteriologically confirmed among pulmonary	73%

Universal health coverage and social protection

TB treatment coverage (notified/estimated incidence), 2015	89% (77–100)
TB patients facing catastrophic total costs	
TB case fatality ratio (estimated mortality/estimated incidence), 2015	0.09 (0.07–0.11)

TB/HIV care in new and relapse TB patients, 2015

	Number	(%)
Patients with known HIV-status who are HIV-positive	7 719	13%
- on antiretroviral therapy	2 730	35%

Drug-resistant TB care, 2015	New cases	Previously treated cases	Total number***
Estimated MDR/RR-TB cases among notified pulmonary TB cases			1 900 (1 600–2 300)
Estimated % of TB cases with MDR/RR-TB	1.5% (1.1–1.9)	8% (5.9–10)	
% notified tested for rifampicin resistance	26%	35%	22 608
MDR/RR-TB cases tested for resistance to second-line drugs			237
Laboratory-confirmed cases		MDR/RR-TB: 1 242, XDR-TB: 14	
Patients started on treatment ****		MDR/RR-TB: 991, XDR-TB: 29	

Treatment success rate and cohort size	Success	Cohort
New and relapse cases registered in 2014	71%	74 117
Previously treated cases, excluding relapse, registered in 2014	39%	7 532
HIV-positive TB cases, all types, registered in 2014	49%	6 891
MDR/RR-TB cases started on second-line treatment in 2013	52%	759
XDR-TB cases started on second-line treatment in 2013	12%	17

TB preventive treatment, 2015

% of HIV-positive people (newly enrolled in care) on preventive treatment	
% of children (aged < 5) household contacts of bacteriologically-confirmed TB cases on preventive treatment	

TB financing, 2016

National TB budget (US\$ millions)	60
Funding source: 77% domestic, <1% international, 22% unfunded	

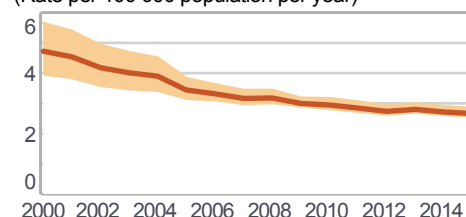
* Ranges represent uncertainty intervals

** MDR is TB resistant to rifampicin and isoniazid; RR is TB resistant to rifampicin

*** Includes cases with unknown previous TB treatment history

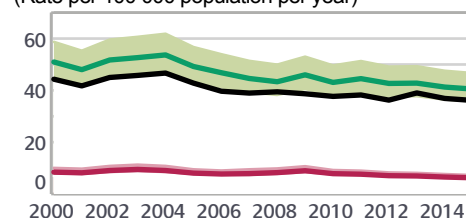
**** Includes patients diagnosed before 2015 and patients who were not laboratory-confirmed

(Rate per 100 000 population per year)



Mortality (excludes HIV+TB)

(Rate per 100 000 population per year)

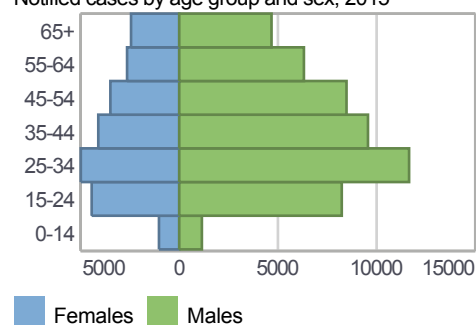


Incidence

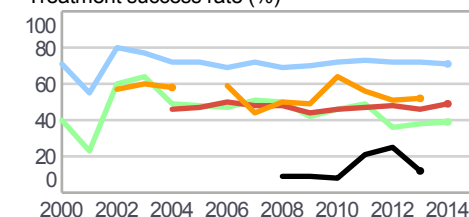
Notified (new and relapse)

Incidence (HIV+TB only)

Notified cases by age group and sex, 2015



Treatment success rate (%)



New and relapse

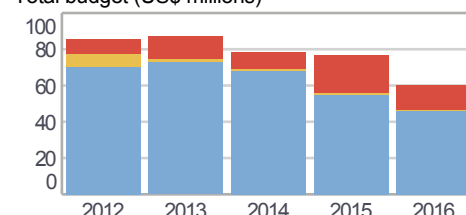
Retreatment, excluding relapse

HIV-positive

MDR/RR-TB

XDR-TB

Total budget (US\$ millions)



Unfunded

Funded internationally

Funded domestically