

Madagascar

Population 2016

25 million

Estimates of TB burden*, 2016	Number (thousands)	Rate (per 100 000 population)
Mortality (excludes HIV+TB)	13 (7.9–20)	54 (32–82)
Mortality (HIV+TB only)	0.61 (0.27–1.1)	2.4 (1.1–4.3)
Incidence (includes HIV+TB)	59 (38–84)	237 (153–338)
Incidence (HIV+TB only)	1.4 (0.62–2.4)	5.6 (2.5–9.8)
Incidence (MDR/RR-TB)**	0.44 (0.081–0.79)	1.8 (0.32–3.2)

Estimated TB incidence by age and sex (thousands)*, 2016

	0-14 years	> 14 years	Total
Females	3.8 (2.3–5.3)	19 (11–26)	23 (14–32)
Males	3.8 (2.3–5.3)	32 (20–45)	36 (22–51)
Total	7.6 (4.6–11)	51 (31–71)	59 (38–84)

TB case notifications, 2016

Total cases notified	29 385
Total new and relapse	29 001
- % tested with rapid diagnostics at time of diagnosis	
- % with known HIV status	46%
- % pulmonary	79%
- % bacteriologically confirmed among pulmonary	88%

Universal health coverage and social protection

TB treatment coverage (notified/estimated incidence), 2016	49% (34–76)
TB patients facing catastrophic total costs	
TB case fatality ratio (estimated mortality/estimated incidence), 2016	0.25 (0.12–0.4)

TB/HIV care in new and relapse TB patients, 2016

	Number	(%)
Patients with known HIV-status who are HIV-positive	99	<1%
- on antiretroviral therapy	97	98%

Drug-resistant TB care, 2016	New cases	Previously treated cases	Total number***
Estimated MDR/RR-TB cases among notified pulmonary TB cases			210 (6–420)
Estimated % of TB cases with MDR/RR-TB	0.49% (0–1.1)	5.9% (0–15)	
% notified tested for rifampicin resistance	2%	45%	1 428
MDR/RR-TB cases tested for resistance to second-line drugs			40
Laboratory-confirmed cases		MDR/RR-TB: 40, XDR-TB: 0	
Patients started on treatment ****		MDR/RR-TB: 15, XDR-TB: 0	

Treatment success rate and cohort size	Success	Cohort
New cases registered in 2015	82%	26 216
Previously treated cases registered in 2015	71%	2 370
HIV-positive TB cases registered in 2015		
MDR/RR-TB cases started on second-line treatment in 2014	75%	12
XDR-TB cases started on second-line treatment in 2014		

TB preventive treatment, 2016

% of HIV-positive people (newly enrolled in care) on preventive treatment	21%
% of children (aged < 5) household contacts of bacteriologically-confirmed TB cases on preventive treatment	29% (27–32)

TB financing, 2017

National TB budget (US\$ millions)	12
Funding source: <1% domestic, 28% international, 72% unfunded	

* Ranges represent uncertainty intervals

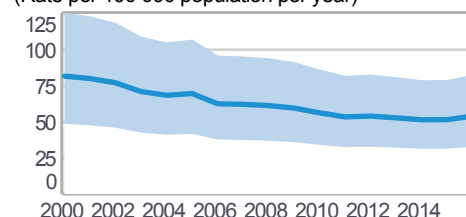
** MDR is TB resistant to rifampicin and isoniazid; RR is TB resistant to rifampicin

*** Includes cases with unknown previous TB treatment history

**** Includes patients diagnosed before 2016 and patients who were not laboratory-confirmed

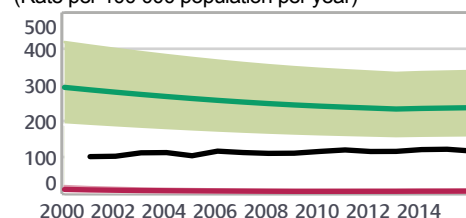
Tuberculosis profile

(Rate per 100 000 population per year)



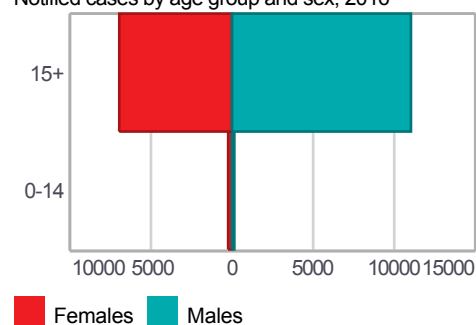
— Mortality (excludes HIV+TB)

(Rate per 100 000 population per year)

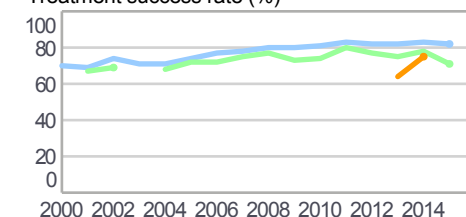


— Incidence
— Notified (new and relapse)
— Incidence (HIV+TB only)

Notified cases by age group and sex, 2016

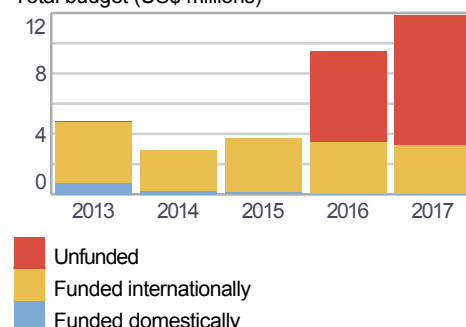


Treatment success rate (%)



— New cases
— Previously treated cases
— HIV-positive — MDR/RR-TB — XDR-TB

Total budget (US\$ millions)



— Unfunded
— Funded internationally
— Funded domestically