

The Former Yugoslav Republic of Macedonia

Tuberculosis profile

Population 2016

2.1 million

Estimates of TB burden*, 2016	Number (thousands)	Rate (per 100 000 population)
Mortality (excludes HIV+TB)	0.02 (0.02–0.021)	0.98 (0.95–1)
Mortality (HIV+TB only)	<0.01 (<0.01–<0.01)	0 (0–0.01)
Incidence (includes HIV+TB)	0.33 (0.25–0.42)	16 (12–20)
Incidence (HIV+TB only)	0 (0–0)	0.02 (0.01–0.02)
Incidence (MDR/RR-TB)**	<0.01 (0–0.012)	0.28 (0–0.57)

Estimated TB incidence by age and sex (thousands)*, 2016	Estimated TB incidence by age and sex (thousands)*, 2016		Total
	0-14 years	> 14 years	
Females	0.016 (0.012–0.02)	0.093 (0.069–0.12)	0.11 (0.082–0.14)
Males	0.017 (0.013–0.021)	0.2 (0.15–0.25)	0.22 (0.17–0.28)
Total	0.033 (0.025–0.041)	0.3 (0.22–0.37)	0.33 (0.25–0.42)

TB case notifications, 2016	
Total cases notified	267
Total new and relapse	263
- % tested with rapid diagnostics at time of diagnosis	36%
- % with known HIV status	79%
- % pulmonary	80%
- % bacteriologically confirmed among pulmonary	84%

Universal health coverage and social protection	
TB treatment coverage (notified/estimated incidence), 2016	80% (63–100)
TB patients facing catastrophic total costs	
TB case fatality ratio (estimated mortality/estimated incidence), 2016	0.06 (0.05–0.08)

TB/HIV care in new and relapse TB patients, 2016	Number	(%)
Patients with known HIV-status who are HIV-positive	0	0%
- on antiretroviral therapy	0	

Drug-resistant TB care, 2016	New cases	Previously treated cases	Total number***
Estimated MDR/RR-TB cases among notified pulmonary TB cases			3 (0–6)
Estimated % of TB cases with MDR/RR-TB	1.3% (0.16–4.8)	0% (0–23)	
% notified tested for rifampicin resistance	62%	58%	165
MDR/RR-TB cases tested for resistance to second-line drugs			0
Laboratory-confirmed cases		MDR/RR-TB: 2, XDR-TB: 0	
Patients started on treatment ****		MDR/RR-TB: 2, XDR-TB: 0	

Treatment success rate and cohort size	Success	Cohort
New and relapse cases registered in 2015	86%	282
Previously treated cases, excluding relapse, registered in 2015	100%	2
HIV-positive TB cases registered in 2015		0
MDR/RR-TB cases started on second-line treatment in 2014	33%	3
XDR-TB cases started on second-line treatment in 2014		0

TB preventive treatment, 2016	
% 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	100% (100–100)

TB financing, 2017	
National TB budget (US\$ millions)	

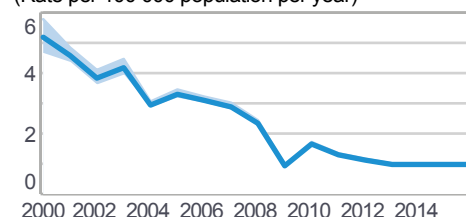
* Ranges represent uncertainty intervals

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

*** Includes cases with unknown previous TB treatment history

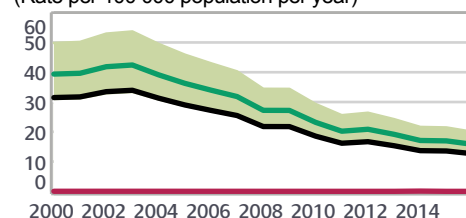
**** Includes patients diagnosed before 2016 and patients who were not laboratory-confirmed

(Rate per 100 000 population per year)



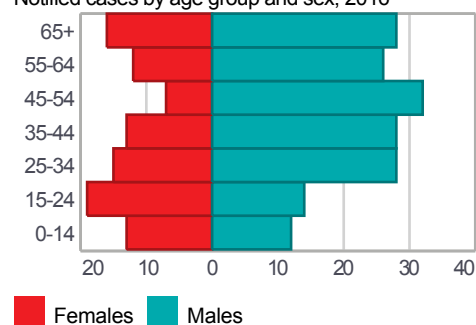
— Mortality (excludes HIV+TB)

(Rate per 100 000 population per year)



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

Notified cases by age group and sex, 2016



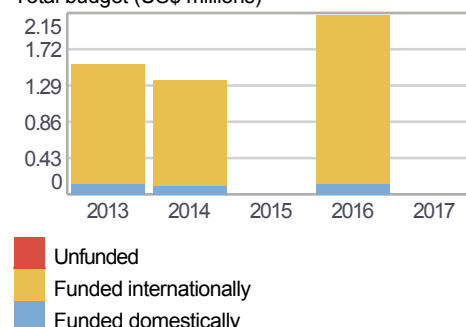
— Females — Males

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