

# Cuba

## Tuberculosis profile

Population 2016

11 million

Estimates of TB burden*, 2016	Number (thousands)	Rate (per 100 000 population)
Mortality (excludes HIV+TB)	0.039 (0.038–0.041)	0.34 (0.33–0.36)
Mortality (HIV+TB only)	0.011 (<0.01–0.015)	0.09 (0.06–0.13)
Incidence (includes HIV+TB)	0.79 (0.68–0.92)	6.9 (5.9–8)
Incidence (HIV+TB only)	0.069 (0.044–0.098)	0.6 (0.39–0.86)
Incidence (MDR/RR-TB)**	0.025 (0.01–0.039)	0.21 (0.09–0.34)

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

	0-14 years	> 14 years	Total
Females	0.039 (0.033–0.045)	0.25 (0.21–0.29)	0.29 (0.25–0.33)
Males	0.041 (0.035–0.047)	0.46 (0.39–0.53)	0.5 (0.43–0.58)
Total	0.08 (0.068–0.092)	0.71 (0.61–0.82)	0.79 (0.68–0.92)

TB case notifications, 2016

Total cases notified	722
Total new and relapse	689
- % tested with rapid diagnostics at time of diagnosis	7%
- % with known HIV status	100%
- % pulmonary	90%
- % bacteriologically confirmed among pulmonary	83%

Universal health coverage and social protection

TB treatment coverage (notified/estimated incidence), 2016	87% (75–100)
TB patients facing catastrophic total costs	
TB case fatality ratio (estimated mortality/estimated incidence), 2016	0.06 (0.05–0.07)

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

	Number	(%)
Patients with known HIV-status who are HIV-positive	66	10%
- on antiretroviral therapy	66	100%

Drug-resistant TB care, 2016	New cases	Previously treated cases	Total number***
Estimated MDR/RR-TB cases among notified pulmonary TB cases			16 (5–27)
Estimated % of TB cases with MDR/RR-TB	2.2% (0.82–4.8)	4.2% (0.51–14)	
% notified tested for rifampicin resistance	41%	54%	307
MDR/RR-TB cases tested for resistance to second-line drugs			6
Laboratory-confirmed cases		MDR/RR-TB: 6, XDR-TB: 0	
Patients started on treatment ****		MDR/RR-TB: 6, XDR-TB: 0	

Treatment success rate and cohort size	Success	Cohort
New and relapse cases registered in 2015	83%	689
Previously treated cases, excluding relapse, registered in 2015	50%	50
HIV-positive TB cases registered in 2015	58%	77
MDR/RR-TB cases started on second-line treatment in 2014	57%	7
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	69%
% 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)	27
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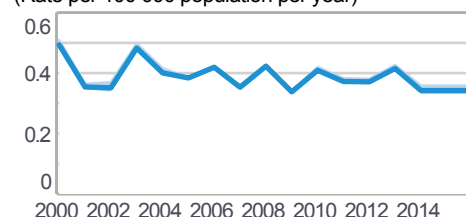
\* Ranges represent uncertainty intervals

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

\*\*\* Includes cases with unknown previous TB treatment history

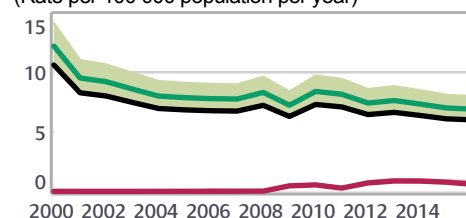
\*\*\*\* Includes patients diagnosed before 2016 and patients who were not laboratory-confirmed

(Rate per 100 000 population per year)



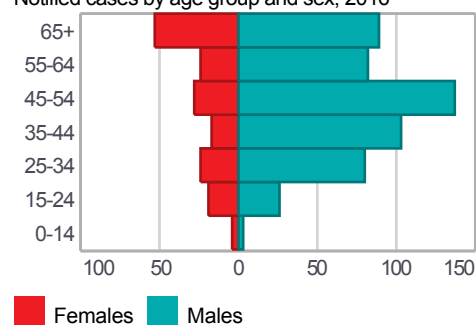
— Mortality (excludes HIV+TB)

(Rate per 100 000 population per year)



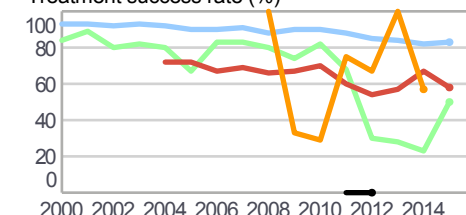
— Incidence  
— Notified (new and relapse)  
— Incidence (HIV+TB only)

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