

# Luxembourg

## Tuberculosis profile

Population 2015

<1 million

Estimates of TB burden*, 2015	Number (thousands)	Rate (per 100 000 population)
Mortality (excludes HIV+TB)	<0.01 (<0.01–<0.01)	0.16 (0.16–0.16)
Mortality (HIV+TB only)	<0.01 (0–<0.01)	0.07 (0–0.34)
Incidence (includes HIV+TB)	0.034 (0.03–0.04)	6.1 (5.2–7)
Incidence (HIV+TB only)	<0.01 (<0.01–<0.01)	0.51 (0.4–0.65)
Incidence (MDR/RR-TB)**	0 (0–0)	0 (0–0)

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

	0-14 years	> 14 years	Total
Females	<0.01 (0–<0.01)	<0.01 (0–<0.01)	<0.01 (<0.01–0.01)
Males	<0.01 (<0.01–<0.01)	0.028 (0.022–0.034)	0.029 (0.023–0.035)
Total	<0.01 (<0.01–<0.01)	0.033 (0.03–0.036)	0.034 (0.03–0.04)

### TB case notifications, 2015

Total cases notified	30
Total new and relapse	30
- % tested with rapid diagnostics at time of diagnosis	0%
- % with known HIV status	
- % pulmonary	80%
- % bacteriologically confirmed among pulmonary	83%

### Universal health coverage and social protection

TB treatment coverage (notified/estimated incidence), 2015	87% (75–100)
TB patients facing catastrophic total costs	
TB case fatality ratio (estimated mortality/estimated incidence), 2015	0.04 (0.01–0.08)

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

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

Drug-resistant TB care, 2015	New cases	Previously treated cases	Total number***
Estimated MDR/RR-TB cases among notified pulmonary TB cases			0 (0–0)
Estimated % of TB cases with MDR/RR-TB	0% (0–0)	0% (0–0)	
% notified tested for rifampicin resistance	87%		26
MDR/RR-TB cases tested for resistance to second-line drugs			0
Laboratory-confirmed cases		MDR/RR-TB: 0, XDR-TB: 0	
Patients started on treatment ****		MDR/RR-TB: 0, XDR-TB: 0	

### Treatment success rate and cohort size

	Success	Cohort
New cases registered in 2014		
Previously treated cases registered in 2014		
HIV-positive TB cases, all types, registered in 2014		
MDR/RR-TB cases started on second-line treatment in 2013		
XDR-TB cases started on second-line treatment in 2013		

### 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)	
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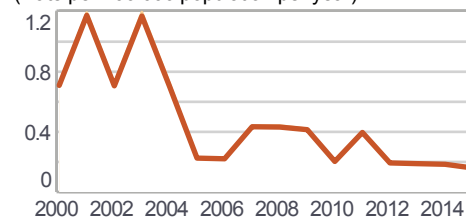
\* Ranges represent uncertainty intervals

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

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

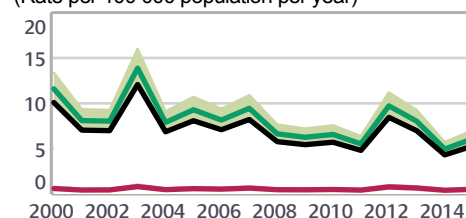
\*\*\*\* Includes patients diagnosed before 2015 and patients who were not laboratory-confirmed

(Rate per 100 000 population per year)



— Mortality (excludes HIV+TB)

(Rate per 100 000 population per year)



— Incidence

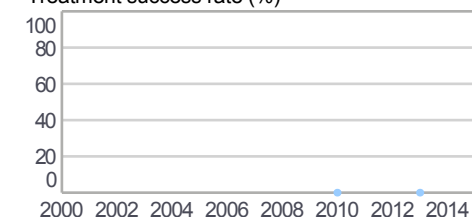
— Notified (new and relapse)

— Incidence (HIV+TB only)

### Notified cases by age group and sex, 2015



### Treatment success rate (%)



— New cases

— Previously treated cases

— HIV-positive — MDR/RR-TB — XDR-TB