

Kazakhstan

Total population estimate 2019 by United Nations Statistical Database: 18 551 428

TB cases, 2019

Notifications

Total number of cases	12 990
Notification rate per 100 000	70.0
New ^a and relapse	12 501
New ^a and relapse notification rate per 100 000	67.4
Pulmonary	11 723 (90.2%)
of which microscopy-positive	-
of which laboratory-confirmed	9 309 (79.4%)
Laboratory-confirmed TB cases	-
Mean age of new native TB cases	40.9 years
Mean age of new foreign TB cases	-
Foreign origin of all TB cases	161 (1.2%)
New (not previously treated)	8 687 (66.9%)
Estimates	
Estimated new and relapse cases N, best [low-high]	13 000 [8 200-18 000]

^a Cases with unknown previous TB history included in new cases.

Drug-resistance surveillance and TB/HIV coinfection, 2019

Completeness of DRS data ^a	No
Completeness of HIV data ^b	Yes
Case-linked data-reporting	Yes
Cases with DST results	6 527 (70.1%)
Estimated RR-TB among notified bacteriologically confirmed pulmonary TB cases N, best [low-high]	3 100 [3 000-3 200]
Pulmonary MDR-TB cases notified	1 569 (24.0%)
of which XDR-TB cases	-
Notified MDR-TB	1 714
of which XDR-TB cases	375
TB cases tested for HIV	12 375 (99.0%)
HIV-positive TB cases	666 (5.4%)
of these on ART	637 (95.6%)

^a National coverage 100% or culturing ≥ 90%, C+/all TB cases > 50%, DST done for C+ > 75%, EQA ≥ 95%.

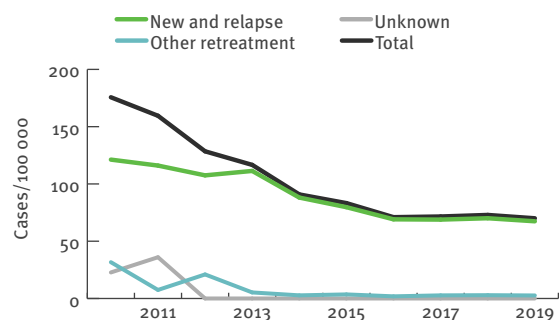
^b More than 50% of TB cases with reported HIV status.

Treatment outcome monitoring

Geographical coverage	National	
	New and relapse TB cases notified in 2018 ^a	All RR/MDR-TB cases enrolled into second-line treatment in 2017 ^b
Outcome cohort		
Case-linked data-reporting	Yes	-
Cases notified	7 859	5 338
Success	7 093 (90.3%)	4 340 (81.3%)
Died	470 (6.0%)	475 (8.9%)
Failed	213 (2.7%)	224 (4.2%)
Lost to follow up	83 (1.1%)	263 (4.9%)
Not evaluated	0 (0.0%)	36 (0.7%)

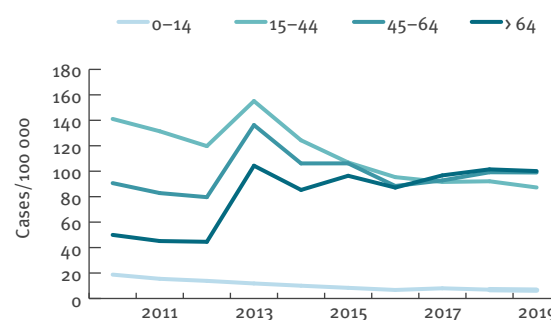
^a Treatment outcome as presented is treatment outcome after 12 months.
^b Treatment outcome as presented is treatment outcome after 24 months.

TB notification rates by previous treatment history, 2010-2019^a



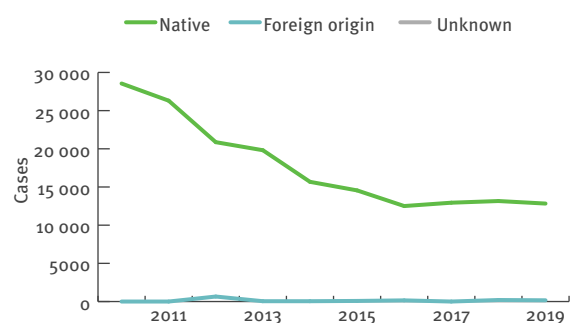
^a Starting from 2013 onward, cases with unknown history are included in new and relapse.

New and relapse TB cases – notification rates by age group, 2010-2019^a

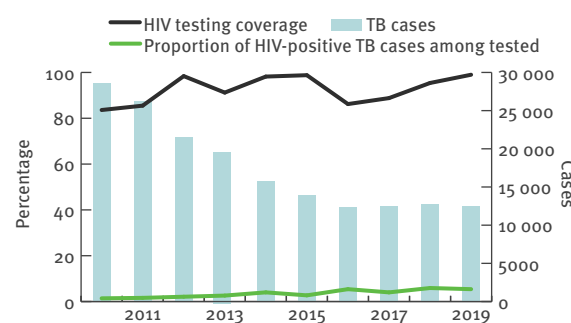


^a Data up to 2012 includes new TB cases only.

TB cases by geographical origin, 2010-2019

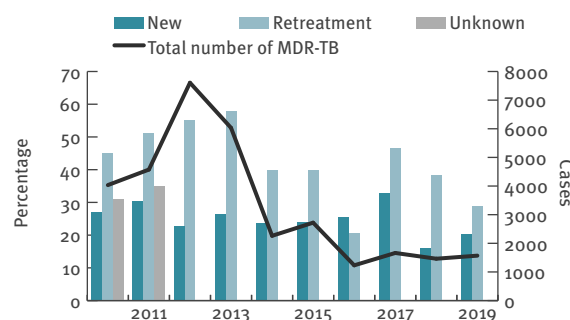


TB/HIV coinfection, 2010-2019^a

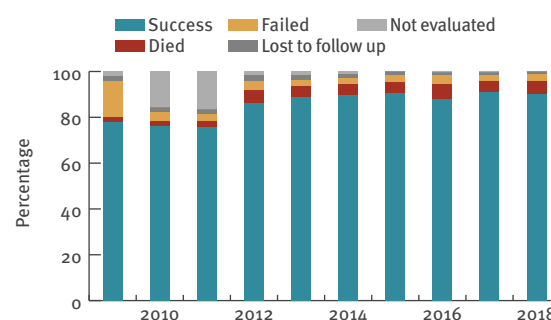


^a Data up to 2014 include all TB cases.

MDR-TB cases and percentage of MDR-TB cases by previous treatment history among all TB cases, 2010-2019



Treatment outcome, new and relapse TB cases 2008-2017^a



^a 2009-2011 cohorts include new cases only.