

Kazakhstan

Tuberculosis case notifications, 2006

Total number of cases	43 204
Notification rate per 100 000	282.1
Sex ratio (M:F)	1.6
Median age-group, nationals	25-34 years
Median age-group, non-nationals	-
Foreign citizens	0 (0.0%)
New (never-treated)	20 262 (46.9%)
Culture positive	8 470 (19.6%)
Pulmonary	35 971 (83.3%)
of which sputum smear positive	17 936 (49.9%)
HIV positive TB cases	234 (0.5%)
TB deaths per 100 000 (2004)	22.01

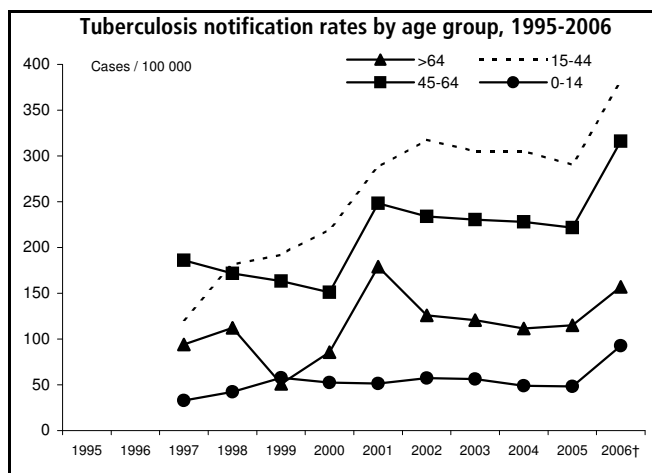
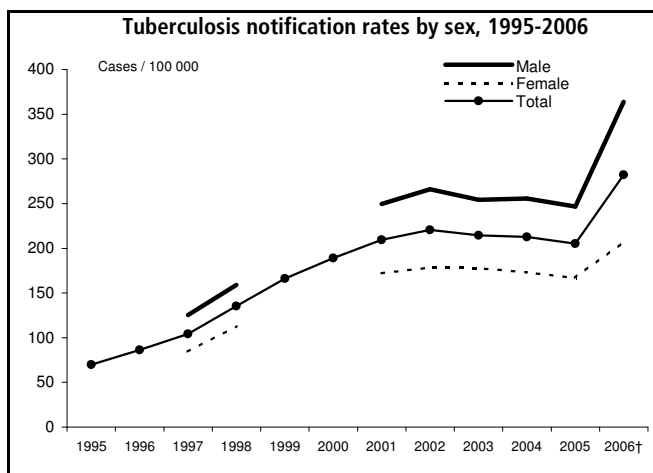
Drug Resistance Surveillance, 2006

Geographic coverage	National *
International proficiency testing	Yes (2002)
Case-linked data reporting	No
Cases with DST results	15 733
Cases resistant to isoniazid	7 602 (48.3%)
Cases resistant to rifampicin	4 796 (30.5%)
MDR cases	4 117 (26.2%)
Cases resistant to ethambutol	4 471 (28.4%)
Cases resistant to streptomycin	8 542 (54.3%)

* All DST labs (representativeness unknown)

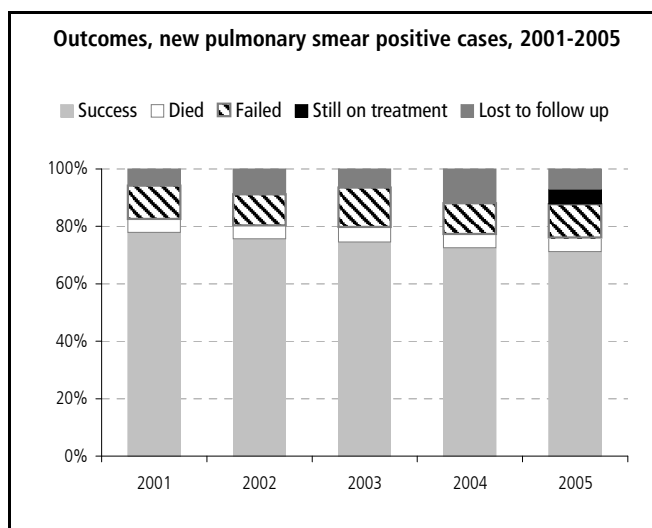
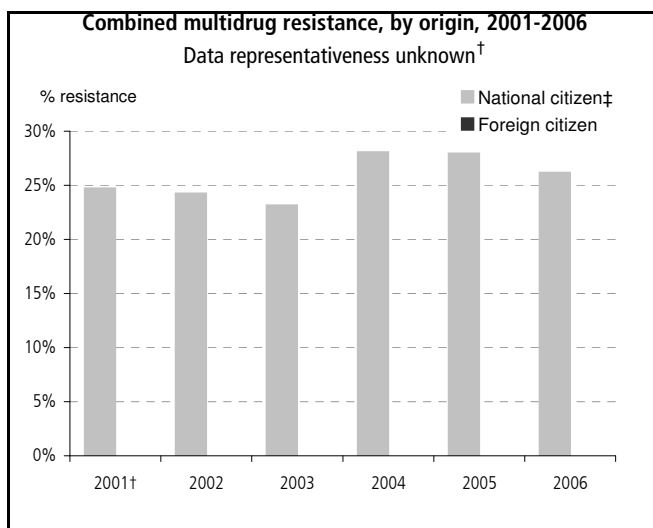
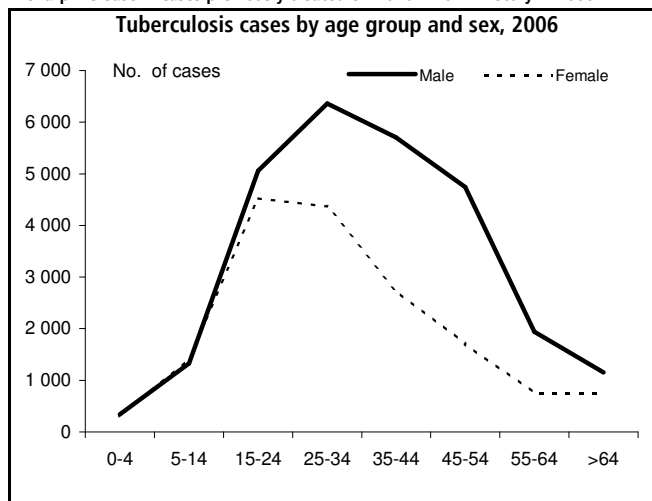
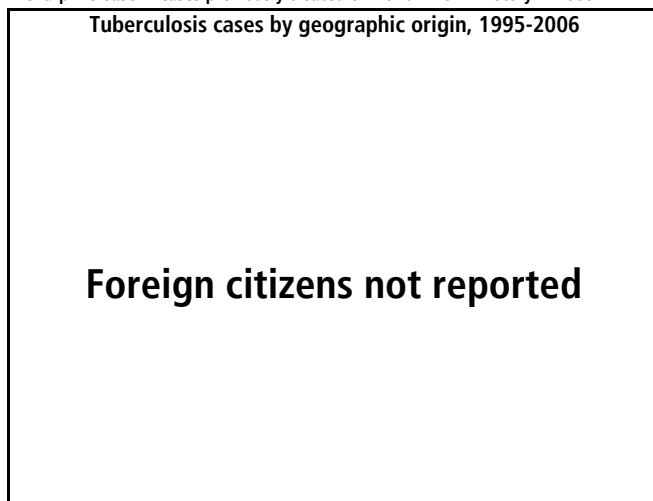
Treatment Outcome Monitoring, 2005

Geographic coverage	National
Outcome cohort	New & relapse pulm smear positive
Case-linked data reporting	No
Included in TOM cohort	10 029
Success	6 469 (65%)
Died	773 (8%)
Failed	1 236 (12%)
Still on treatment	781 (8%)
Lost to follow up	770 (8%)



† sharp increase in cases previously treated & with unknown history in 2006

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† 2001: nationwide representative survey

‡ Origin unknown in 2001-2003