

Republic of Moldova

| High MDR-TB burden |

Tuberculosis profile

Population 2013

3.5 million

| Estimates of TB burden * 2013 | Number (thousands) | Rate (per 100 000 population) |
|-------------------------------|--------------------|-------------------------------|
| Mortality (excludes HIV+TB) | 0.48 (0.45–0.5) | 14 (13–14) |
| Mortality (HIV+TB only) | 0.081 (0.063–0.1) | 2.3 (1.8–2.9) |
| Prevalence (includes HIV+TB) | 7.9 (4–13) | 226 (113–375) |
| Incidence (includes HIV+TB) | 5.5 (5–6.3) | 159 (142–180) |
| Incidence (HIV+TB only) | 0.34 (0.3–0.4) | 9.8 (8.5–11) |
| Case detection, all forms (%) | 81 (71–91) | |

| Estimates of MDR-TB burden * 2013 | New | Retreatment |
|--|---------------|---------------|
| % of TB cases with MDR-TB | 24 (21–26) | 62 (59–65) |
| MDR-TB cases among notified pulmonary TB cases | 770 (700–850) | 880 (840–930) |

| TB case notifications 2013 | New ** | Relapse |
|--|--------|---------|
| Pulmonary, bacteriologically confirmed | 1 865 | 542 |
| Pulmonary, clinically diagnosed | 1 403 | 309 |
| Extrapulmonary | 336 | 30 |

| | |
|--|--------------|
| Total new and relapse | 4 485 |
| Previously treated, excluding relapses | 566 |
| Total cases notified | 5 051 |

Among 4 485 new and relapse cases:

134 (3%) cases aged under 15 years; male:female ratio: 2.6

| Reported cases of RR-/MDR-TB 2013 | New | Retreatment | Total ** |
|---------------------------------------|-------------|-------------|----------|
| Cases tested for RR-/MDR-TB | 1 610 (86%) | 996 (69%) | 2 620 |
| Laboratory-confirmed RR-/MDR-TB cases | | | 1 054 |
| Patients started on MDR-TB treatment | | | 931 |

| TB/HIV 2013 | Number | (%) |
|---|--------|------|
| TB patients with known HIV status | 4 085 | (81) |
| HIV-positive TB patients | 250 | (6) |
| HIV-positive TB patients on co-trimoxazole preventive therapy (CPT) | | |
| HIV-positive TB patients on antiretroviral therapy (ART) | 165 | (66) |
| HIV-positive people screened for TB | 3 332 | |
| HIV-positive people provided with IPT | | |

| Treatment success rate | (%) |
|---|-----|
| New and relapse cases registered in 2012 | 76 |
| Previously treated cases, excluding relapse, registered in 2012 | 39 |
| HIV-positive TB cases, all types, registered in 2012 | 47 |
| RR-/MDR-TB cases started on second-line treatment in 2011 | 54 |
| XDR-TB cases started on second-line treatment in 2011 | |

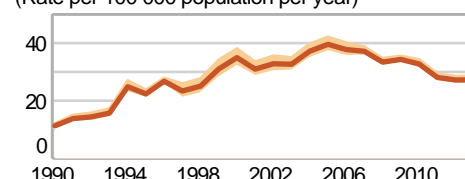
| Laboratories 2013 | |
|--|-----------------|
| Smear (per 100 000 population) | 1.6 |
| Culture (per 5 million population) | 5.7 |
| Drug susceptibility testing (per 5 million population) | 5.7 |
| Sites performing Xpert MTB/RIF | 28 |
| Is second-line drug susceptibility testing available? | Yes, in country |

| Financing TB control 2014 | |
|--|-----|
| National TB programme budget (US\$ millions) | 33 |
| % Funded domestically | 12% |
| % Funded internationally | 21% |
| % Unfunded | 67% |

* Ranges represent uncertainty intervals

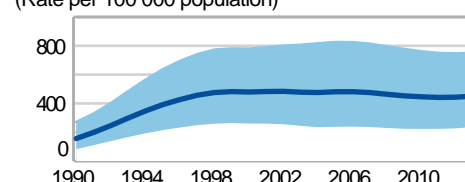
** Includes cases with unknown previous TB treatment history

(Rate per 100 000 population per year)



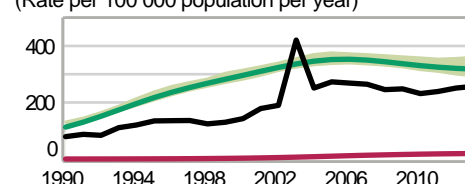
Mortality (excludes HIV+TB)

(Rate per 100 000 population)



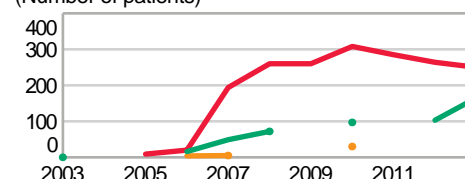
Prevalence

(Rate per 100 000 population per year)



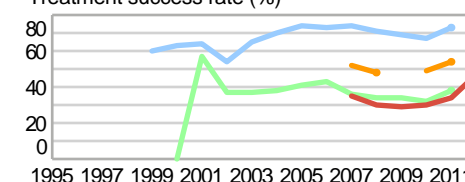
Notified (new and relapse) Incidence
Incidence (HIV+TB only)

(Number of patients)



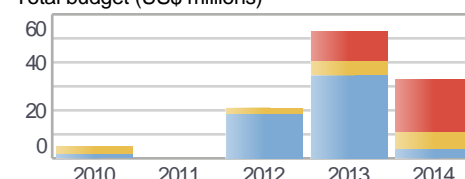
HIV-positive TB patients
on CPT on ART

Treatment success rate (%)



New Retreatment
New and relapse Retreatment, excluding relapse
HIV-positive RR-/MDR-TB XDR-TB

Total budget (US\$ millions)



Funded domestically Funded internationally
Unfunded

The HIV epidemic in the R. Moldova

1. *Total population of the Republic of Moldova – both, right and left, banks of the River Nistru (as of 01.01.2014) - 4.073.890 pers.*

2. HIV

a. *The HIV incidence in the last 5 years (2010-2014)*¹

2010 -17,2 cases

2011-17,2 cases

2012-18,50 cases

2013-17,30 cases

2014-20,45 cases. For the year of 2014 the data is calculated based on the number of HIV cases presented by the Hospital of Dermatology and Communicable diseases and confirmed by the laboratory.

b. HIV prevalence by sex and risk groups (MSM, SW, IDU, general population)

The spread of the HIV infection by risk group (MSM, SW, IDU), based on the data of epidemiologic surveillance of generation II, within 2012-2013²

| | | | |
|---|----------------|----------|--------|
| The spread of HIV infection among risk groups | IDUs by region | Chişinău | 8,5 % |
| | | Bălţi | 41,8 % |
| | | Tiraspol | 23,9 % |
| | SWs by region | Chişinău | 11,6 % |
| | | Bălţi | 21,5 % |
| | | Tiraspol | 23,9 % |
| | MSM by region | Chişinău | 5,4 % |
| | | Bălţi | 8,2 % |

*The HIV incidence by sex (at 100.000 population)*³

2010: men – 17,2, women – 17,3

2011: men –18,9, women -16,4

2012: men –19,2, women -18,0

2013: men –19,5, women – 15,3

2014: men – 22,57, women – 17,82. For the year of 2014, the incidence was calculated based on the number of people at 01.01.2014.

¹ Data provided by the National Center for Public Health

² Data provided by the National Center for Public Health

³ Data provided by the National Center for Public Health

- c. *The number of HIV infected persons* as of January 1st, 2015 - 9390.
- d. *Ongoing projects*. At the end of 2014 the following projects were under implementation:
- 5 projects supporting the IDUs population, covering 24 localities
 - 2 projects for IDUs among detainees, covering 16 penitentiaries including the Transnistrian region
 - 3 projects focused on methadone substitution therapy, one of which is implemented in 11 penitentiaries
 - 3 projects for SWs
 - 1 HIV prevention project for MSM.