

# Tuberculosis surveillance and monitoring in Europe 2016

## Bulgaria

Total population on 1 January 2014 by EUROSTAT: 7245677

### Tuberculosis case notifications, 2014

|   |              |
|---|--------------|
| Total number of cases                         | 1872         |
| Notification rate per 100 000                 | 25.8         |
| New* & relapses                               | 1825         |
| New* & relapses notification rate per 100 000 | 25.2         |
| Pulmonary                                     | 1361 (72.7%) |
| of which microscopy-positive                  | 750 (55.1%)  |
| of which laboratory confirmed                 | 879 (64.6%)  |
| Laboratory-confirmed TB cases                 | 891 (47.6%)  |
| Mean age of new native TB cases               | 46.0 years   |
| Mean age of new foreign TB cases              | 40.5 years   |
| Foreign origin of all TB cases                | 12 (0.6%)    |
| New (not previously treated)                  | 1650 (88.1%) |

\* Cases with unknown previous treatment included in new cases.

### Drug resistance surveillance & TB-HIV co-infection, 2014

|                                    |              |
|------------------------------------|--------------|
| Completeness of DRS data*          | No           |
| Completeness of HIV data**         | Yes          |
| Case-linked data reporting         | Yes          |
| Cases with DST results             | 740 (83.1%)  |
| Estimated MDR N, (best–low–high)   | 72–53–91     |
| Pulmonary MDR cases                | 36 (4.1%)    |
| of which XDR cases                 | 3 (8.3%)     |
| Notified MDR                       | 37 (5.0%)    |
| of which XDR cases                 | 3 (8.1%)     |
| TB cases tested for HIV            | 1377 (73.6%) |
| HIV-positive TB cases              | 3 (0.2%)     |
| of these on antiretroviral therapy | –            |

\* National coverage 100% or culturing 90%, C+/All TB cases 50%, DST done for C+ 75%, EQA 95%.

\*\* More than 50% of TB cases tested for HIV.

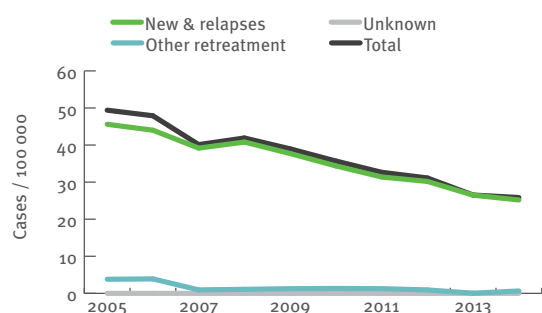
### Treatment outcome monitoring

|                            |   |                                     |
|----------------------------|---|-------------------------------------|
| Geographical coverage      | National  |                                     |
| Outcome cohort             | New culture positive pulmonary TB cases notified in 2013* | All MDR TB cases notified in 2012** |
| Case-linked data reporting | Yes   |                                     |
| Cases notified             | 798   | 49                                  |
| Success                    | 664 (83.2%)   | 30 (61.2%)                          |
| Died                       | 73 (9.1%)   | 5 (10.2%)                           |
| Failed                     | 15 (1.9%)   | 3 (6.1%)                            |
| Lost to follow-up          | 26 (3.3%)   | 11 (22.4%)                          |
| Still on treatment         | 14 (1.8%)   | 0 (0.0%)                            |
| Not evaluated              | 6 (0.8%)  | 0 (0.0%)                            |

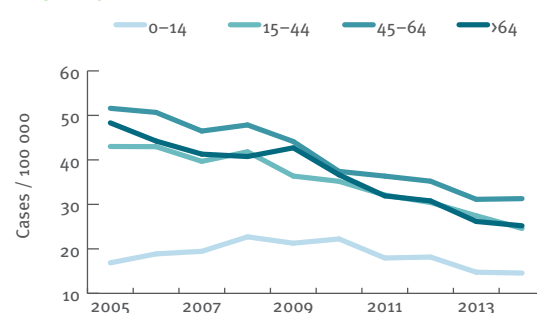
\* Treatment outcome as presented is treatment outcome after 12 months.

\*\* Treatment outcome as presented is treatment outcome after 24 months.

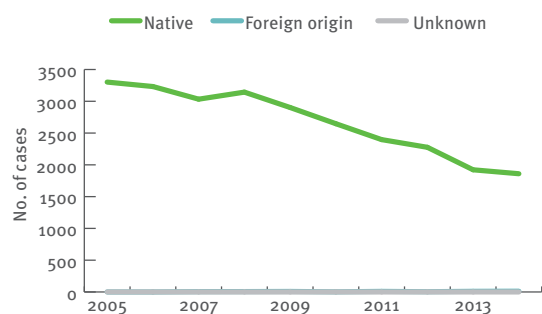
### Tuberculosis notification rates by treatment history, 2005–2014



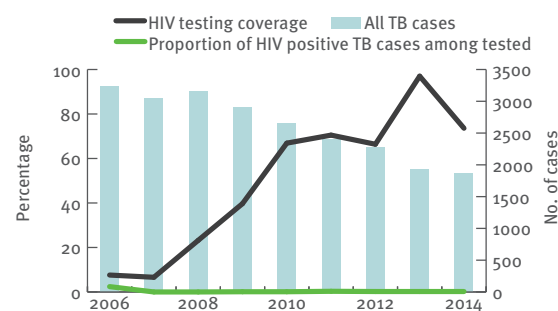
### New and relapsed TB cases – notification rates by age group, 2005–2014



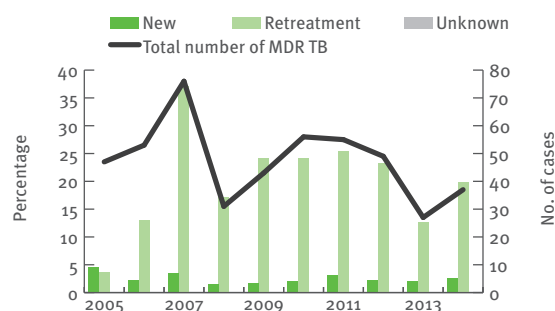
### Tuberculosis cases by geographical origin, 2005–2014



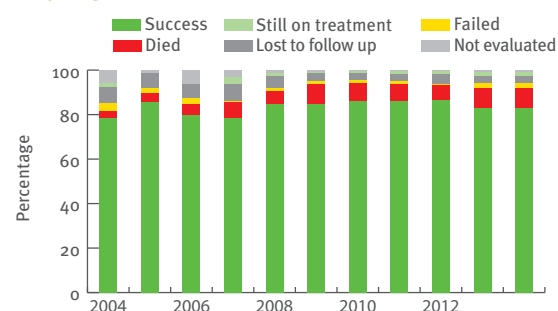
### TB-HIV co-infection, 2006–2014



### MDR TB cases by previous treatment history, 2005–2014



### Treatment outcome, new culture-confirmed pulmonary TB cases, 2004–2013\*



\* 2004–2011 cohorts include new cases only.