Tuberculosis surveillance and monitoring in Europe

**Portugal**

Total population at 1 January 2012 by EUROSTAT: 10 292 230

### Tuberculosis case notifications, 2012

- Total number of cases: 2990
- Notification rate per 100 000: 25.2
- New & relapses (lab+): 2496
- New & relapses (lab+) notification rate per 100 000: 24.3

#### Cases / 100 000

<table>
<thead>
<tr>
<th>Year</th>
<th>Total</th>
<th>Unknown</th>
<th>Other treatment</th>
<th>New &amp; relapses</th>
</tr>
</thead>
<tbody>
<tr>
<td>2012</td>
<td>0</td>
<td>2</td>
<td>4</td>
<td>2463</td>
</tr>
<tr>
<td>2010</td>
<td>500</td>
<td>10</td>
<td>35</td>
<td>2402</td>
</tr>
<tr>
<td>2008</td>
<td>1000</td>
<td>20</td>
<td>40</td>
<td>2000</td>
</tr>
<tr>
<td>2006</td>
<td>1500</td>
<td>30</td>
<td>50</td>
<td>1500</td>
</tr>
<tr>
<td>2004</td>
<td>2000</td>
<td>40</td>
<td>80</td>
<td>1620</td>
</tr>
</tbody>
</table>

#### Pulmonary

- of which smear-positive: 1001 (53.6%)
- Laboratory-confirmed TB cases: 1711 (64.5%)
- Mean age of new native TB cases: 47.7 years
- Mean age of new foreign TB cases: 38.6 years
- Foreign origin of all TB cases: 403 (15.6%)
- New (not previously treated): 2402 (92.7%)

#### Drug resistance surveillance & TB-HIV co-infection, 2012

- Completeness of DRS data*: Yes
- Completeness of HIV data**: Yes
- Case-linked data reporting: Yes
- Cases with DST results: 1321 (77.2%)
- Cases resistant to isoniazid: 77 (5.8%)
- Cases resistant to rifampicin: 19 (1.4%)
- Estimated MDR, (best-low-high): 35-21-50

#### MDR-TB cases by previous treatment history, 2003–2012

- New (not previously treated) 2402 (92.7%)
- Retreatment 240 (8.6%)
- Other retreatment 10 (0.3%)

#### Treatment outcome monitoring

- Geographical coverage: National
- Outcome cohort: New laboratory confirmed pulmonary TB cases notified in 2012
- Case-linked data reporting: Yes
- Notified in 2010: 1387
- 29
- Success: 116 (80.5%) 10 (34.5%)
- Died: 63 (4.5%) 6 (20.7%)
- Failed: 0 (0.0%) 0 (0.0%)
- Defaulted: 3 (2.1%) 2 (6.9%)
- Still on treatment: 150 (10.8%) 8 (27.6%)
- Lost to follow up: 15 (1.1%) 3 (10.3%)

* 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.

### Tuberculosis notification rates by treatment history, 2003–2012

#### New & relapses

- Number of cases: 2496
- Notification rate per 100 000: 24.3

#### Unknown

- Number of cases: 2463
- Notification rate per 100 000: 24.3

#### Other treatment

- Number of cases: 2402
- Notification rate per 100 000: 24.3

### Tuberculosis cases by geographical origin, 2003–2012

#### Native

- Number of cases: 1001
- Notification rate per 100 000: 53.6

#### Foreign origin

- Number of cases: 403
- Notification rate per 100 000: 15.6

#### Unknown

- Number of cases: 1500
- Notification rate per 100 000: 50.0

### TB-HIV co-infection, 2006–2012

- HIV testing coverage: 1672 (64.6%)
- All TB cases: 291 (17.4%)
- Proportion of HIV positive TB cases among tested: 1672 (64.6%)

### MDR-TB cases by previous treatment history, 2003–2012

#### New

- Number of cases: 2402
- Notification rate per 100 000: 92.7

#### Retreatment

- Number of cases: 240
- Notification rate per 100 000: 8.6

#### Other retreatment

- Number of cases: 10
- Notification rate per 100 000: 0.3

### Treatment outcome, new pulmonary culture-positive cases, 2002–2011

- Success: 116 (80.5%) 10 (34.5%)
- Still on treatment: 150 (10.8%) 8 (27.6%)
- Lost to follow up: 15 (1.1%) 3 (10.3%)
- Died: 63 (4.5%) 6 (20.7%)
- Failed: 0 (0.0%) 0 (0.0%)
- Defaulted: 3 (2.1%) 2 (6.9%)