Tuberculosis and M/XDR-TB in WHO European Region

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Outline of presentation

• Overview of TB and MDR-TB in the world and the Region


• Key challenges of TB and MDR-TB control in Romania

• Next steps
Estimated TB burden; world, 2010

8.8 million in the world
420 000 in Europe

Tuberculosis burden in WHO European Region, 2011

- **380,000** new TB cases per year (42 per 100,000 pop)
- **81,000** (64-87,000) MDR-TB cases
- **45,000** (44-46,000) deaths

Trends:

- Notification of all TB peak in 2005, then falling by about 2% per year till 2010 and between 2010 to 2011 with 5% decrease
- MDG target on track with incidence and prevalence
- Mortality falling, but MDG target not on track

18 high priority countries:
Armenia, Azerbaijan, Belarus, Bulgaria, Estonia, Georgia, Kazakhstan, Kyrgyzstan, Latvia, Lithuania, Moldova, Romania, Russian Fed, Tajikistan, Turkey, Turkmenistan, Ukraine, Uzbekistan

MDR-TB Rates, 2011

Percentages of notified TB cases of foreign origin among all TB cases, WHO European Region, 2010
Overall TB notification rate (all TB) per 100,000 inmates, the WHO European Region, 2010

RR $^{21EUR} = 24.1$ (CI$_{95\%}$ = 23.0–25.2)

Total = 23,135 cases
Regional response
Overview of the Action Plan

Goal

• To contain the spread of drug-resistant TB by achieving universal access to prevention, diagnosis and treatment of M/XDR-TB in all Member States of the WHO European Region by 2015

Targets

• To decrease by 20 percentage points the proportion of MDR-TB among previously treated people with TB by the end of 2015

• To diagnose at least 85% of the estimated number of people with MDR-TB by 2015

• To treat successfully at least 75% of the notified people with MDR-TB by 2015
## Overview of TB situation in Romania, 2011

<table>
<thead>
<tr>
<th>Indicator (estimates)</th>
<th>Romania</th>
<th>EU/EEA (29 countries)</th>
<th>EUR (53 countries)</th>
</tr>
</thead>
<tbody>
<tr>
<td>TB incidence (all forms)</td>
<td>102.6</td>
<td>14</td>
<td>42.1</td>
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<tr>
<td>(per 100 000 population)</td>
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<tr>
<td>TB prevalence</td>
<td>144.6</td>
<td>18.4</td>
<td>55.9</td>
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<tr>
<td>(per 100 000 population)</td>
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<tr>
<td><strong>TB mortality</strong></td>
<td><strong>6.1</strong></td>
<td><strong>0.9</strong></td>
<td><strong>4.9</strong></td>
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<tr>
<td>(per 100 000 population)</td>
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<tr>
<td>Percentage of MDR among new TB (%)</td>
<td>2.8%</td>
<td>2.3%</td>
<td>15.7%</td>
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<tr>
<td>Percentage of MDR among previously treated TB (%)</td>
<td>11%</td>
<td>12.7%</td>
<td>44.2%</td>
</tr>
<tr>
<td>Number of MDR-TB *</td>
<td>1300</td>
<td>2 114</td>
<td>81 000</td>
</tr>
<tr>
<td>Number of XDR-TB</td>
<td>130</td>
<td>211</td>
<td>810</td>
</tr>
<tr>
<td>Percentage of HIV among all TB (%)</td>
<td>1.6%</td>
<td>3.6</td>
<td>6.5</td>
</tr>
<tr>
<td>Number of HIV among all TB</td>
<td>350</td>
<td>2 541</td>
<td>20 031</td>
</tr>
</tbody>
</table>


* Based on 20010 estimates
Treatment success rates for new, previously treated and MDR cohorts in Romania (2011 reporting year)

Expected achievements of the Romania Action Plan

- 3,430 people with MDR-TB diagnosed and put on treatment
- 2,400 people with MDR-TB treated successfully
- 4,500 MDR-TB cases averted
- 250 US$ million saved

Full coverage with DST for detecting 80% of MDR-TB
Full coverage for treatment enrolment
Thank you very much for your attention