Introduction to the Sentinel Project on Pediatric Drug-Resistant Tuberculosis

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Happy 1st birthday!
(Launched 28 Oct 2011)

Sentinel Project
on pediatric drug-resistant tuberculosis

Join us at:
www.sentinel-project.org

sentinel_project@hms.harvard.edu
Situation today

Universal treatment access for children w/ DR-TB
Treatment outcomes for children with multidrug-resistant tuberculosis: a systematic review and meta-analysis

Dena Ettehad, H Simon Schaaf, James A Seddon, Graham S Cooke*, Nathan Ford*

<table>
<thead>
<tr>
<th>Country</th>
<th>Number of patients</th>
<th>Number of events</th>
<th>Proportion (95% CI)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drobac et al (2005)</td>
<td>Peru</td>
<td>38</td>
<td>93.65 (83.99-99.05)</td>
</tr>
<tr>
<td>Granich et al (2005)</td>
<td>USA</td>
<td>10</td>
<td>86.69 (61.55-99.39)</td>
</tr>
<tr>
<td>Feja et al (2008)</td>
<td>USA</td>
<td>20</td>
<td>78.52 (59.04-93.05)</td>
</tr>
<tr>
<td>Lemaine et al (2009)</td>
<td>Latvia</td>
<td>76</td>
<td>91.57 (84.38-96.69)</td>
</tr>
<tr>
<td>Fairlie et al (2011)</td>
<td>South Africa</td>
<td>13</td>
<td>53.58 (28.16-78.05)</td>
</tr>
<tr>
<td>Seddon et al (2011)</td>
<td>South Africa</td>
<td>111</td>
<td>79.02 (71.03-86.02)</td>
</tr>
<tr>
<td>Overall</td>
<td></td>
<td></td>
<td>81.67 (72.54-90.80)</td>
</tr>
</tbody>
</table>

Figure 2: Proportion of patients achieving treatment success
Cure possible, but too few children treated

Universal treatment access for children w/ DR-TB
… current TB reporting gives little indication of unmet need and thus there is no way of judging how far we have to go.”
NO
- estimates
- targets
- drugs
- funds

Universal treatment access for children w/ DR-TB
Children with DR-TB are invisible. Zero child deaths from DR-TB.
Cities of >200 Sentinel Project network members in >40 countries…
Progress of Task Forces since October 2011

1. Advocacy
2. Stories
3. Count Kids

And others (reports today & see website)
BEING BRAVE: Stories of children with drug-resistant tuberculosis

From the Sentinel Project on Pediatric Drug-Resistant Tuberculosis, March 2012
Next collection for March 2013… so far >=1 child’s story from 14 countries…
Children with DR-TB are invisible

Stories
Field Guide & Recs
Advocacy

Multi-site studies
Situation analysis
Definitions

Estimates, targets, monitoring

Zero child deaths from DR-TB