HELP US ELIMINATE TB IN KIDS

Tuberculosis is one of the top 10 killers worldwide, causing 1.5 million deaths per year, including 250,000 fatal cases in children. Although TB is preventable and curable, most treatment is passive: it’s only when a child shows symptoms that a health care provider is contacted. We upended that ineffective model and developed a proactive approach that systematically tests children in schools and households, and treats them before they succumb to this infectious disease. The results have been astounding.

THE PROBLEM

EVERY YEAR...

- 250,000 Children die from TB
- 25,000 Children develop multidrug-resistant TB
- 1.5 MILLION TB cases detected in children & adolescents
- 10 MILLION TB cases detected globally
- 55% of TB in children is undiagnosed
- 90% of children with multidrug-resistant TB remain undiagnosed with no access to treatment

HOW WE ARE SOLVING IT

TESTING
children in schools and at home, children exposed to HIV infection, and pregnant women

TREATING
active cases, including drug resistant TB, and ensuring optimum adherence and treatment completion

PREVENTING
future cases by treating latent TB with novel short-course therapies

OUR METHOD FOR ELIMINATING TB IN CHILDREN

- TB preventive treatment
- Active case finding and treatment
- Reduction in adult TB cases under national program

UTILIZING COMMUNITY MOBILIZATION

- Stakeholder engagement
- Social media campaigns
- Traditional media campaigns
- Advocacy & support from community leaders

“This is a project that can eradicate TB. Children and youth are our future.”

— His Holiness the 14th Dalai Lama in a public service announcement about ZERO TB KIDS
WE'RE ATTACKING TB BEFORE IT CAN ATTACK KIDS

Our project originated in India, which has the highest burden of TB in the world. Local doctors approached Johns Hopkins researchers about this overwhelming problem and together they created a robust partnership that has been embraced by both government leaders and local residents. And it’s a model that can work in communities around the world.

**OUR NUMBERS**

<table>
<thead>
<tr>
<th>Years this project has been in place</th>
<th>Number of children screened</th>
<th>Number of children treated with preventive therapy</th>
<th>Rate at which we have reduced TB in kids</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>10,000</td>
<td>1,000</td>
<td>82%</td>
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</tbody>
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**WHAT THE FUTURE HOLDS**

Novel point-of-care technology for detection of latent TB infection in nearly any setting

Ultra-short course child-friendly preventive regimens

Operationalizing preventive-therapy strategy for children exposed to drug-resistant TB

Our successful model can be expanded to reach across India and around the world. Here’s what additional funding would mean for TB prevention and treatment in children:

**$1 MILLION**
- Cover 100,000 kids
- Detect and treat 100 active cases
- Preventive treatment for 20,000 children

**$5 MILLION**
- Cover 500,000 kids
- Detect and treat 500 active cases
- Preventive treatment for 100,000 children

**$10 MILLION**
- Cover 1,000,000 kids
- Detect and treat 1,000 active cases
- Preventive treatment for 200,000 children

“We have shown that tuberculosis incidence can be greatly reduced through the implementation of a comprehensive program. The model that we have with Zero TB Kids could be scaled up to schools across India, and it could be scaled up to monasteries across communities, in refugee populations, and in other vulnerable populations across the country as well as globally.”

— Kunchok Dorjee, Director, Zero TB Kids