

## Grant to fund child-friendly TB treatments

A R280m grant will fund a project to develop and evaluate child-friendly treatments for multi-drug resistant tuberculosis (MDR-TB) and assess regimens to prevent the onset of the disease.



Stellenbosch University has signed the grant agreement with Unitaid. The project, Better Evidence and Formulations for Improved MDR-TB Treatment for Children (Benefit Kids) is expected to go a long way in reducing the burden of this dangerous but treatable form of TB.

“Children have been largely neglected to date in the global response to MDR-TB and they deserve better. We are excited that, through Unitaid’s investment in this innovative project, Stellenbosch University and its partners can contribute to addressing this inequity by improving access for children to better, more child-friendly MDR-TB treatment and prevention,” said the project lead, Professor Anthony Garcia-Prats at the Desmond Tutu TB Centre (DTTC), Department of Paediatrics and Child Health, Faculty of Medicine and Health Sciences, Stellenbosch University. Garcia-Prats is also affiliated with the University of Wisconsin-Madison in the United States.

### Reducing morbidity and mortality

“In addition to treating MDR-TB in children, effective strategies to prevent the disease will have an impact on reducing morbidity and mortality in children exposed to MDR-TB,” said Professor Anneke Hesseling, director of the DTTC and project co-lead.

More than 95% of children with MDR-TB in the world do not currently receive treatment. And among those who do, most are treated with drug regimens that are long, bad tasting, toxic, often causing severe side effects, such as irreversible hearing loss, and composed mostly of adult tablets that must be crushed.

Estimates also show that currently as many as two-million children are infected with drug-resistant strains of TB bacteria but have not yet progressed to active disease. A lack of high-quality evidence limits access to treatments that could prevent TB disease from developing in most of these children.

“The Benefit Kids project holds great promise in the fight against TB superbugs and is critical if we are to protect the future of thousands of children exposed to this dangerous form of TB,” said Unitaaid Executive Director, Lelio Marmora.

## **Project objectives**

The project will increase access to quality-assured MDR-TB medicines that are child-friendly, which is a major advance given the historical neglect of children with TB in the global response to the epidemic. Benefit Kids project aims to achieve this by:

- Strengthening the evidence on optimal dosing, safety, efficacy, acceptability and costs of medications for treatment and prevention of MDR-TB in children, which is an important step in creating policies that can impact clinical care.
- Developing child-friendly formulations for MDR-TB treatment and preventive therapies that taste better, are of appropriate strength and can also be given to young children who cannot swallow tablets.
- Shaping the market for these better formulations for kids.

The project will not only protect thousands of children from this life-threatening disease but also save costs for health systems by preventing the massive treatment costs currently required to treat active MDR-TB disease in children.

Benefit Kids project will be implemented in three countries: South Africa, India and the Philippines. Stellenbosch University will work with several key partners including the TB Alliance, University of California San Francisco, Johns Hopkins University, De La Salle University Medical Centre in the Philippines, BJ Medical College in India, Uppsala University in Sweden and Chiang Mai University in Thailand.

**Source:** Stellenbosch University

For more, visit: <https://www.bizcommunity.com>