



# TB Modelling and Analysis Consortium

Dear <<First Name>>,

Welcome to the latest TB Modelling and Analysis Consortium ([TB MAC](#)) newsletter, with information for TB modellers, epidemiologists, and decision-makers. This newsletter contains details of the next TB MAC seminar and papers from our community.

**Join our next TB MAC seminar: Stella Zawedde on Strategies to achieve the END TB targets in the Karamoja subregion - Northeastern Uganda [27th February 1300-1400 GMT]** TB MAC would like to invite you to join us for a seminar on Strategies to achieve the END TB targets in the Karamoja subregion - Northeastern Uganda, given by a member of the TB MAC community, Stella Zawedde on the 27th February 1300-1400 GMT. See below for more details on the seminar, presenter and how to join.

#### Seminar summary:

The Karamoja subregion is inhabited by a predominantly nomadic population. The area is disproportionately affected by TB and has a modelled TB prevalence of 853/100,000 (compared to a national average of 200/100,000). From 2020 to 2024, significant health systems strengthening interventions to improve TB care delivery were implemented in the region resulting in a doubling of TB notifications and an increase in the proportion successfully treated to 84%. However, in 2024, the number of TB notifications started decreasing indicating a plateauing of the effectiveness of current TB case finding interventions. Additional interventions are needed to further improve TB case-finding and in turn decrease TB incidence. In this work, we aim to use dynamic mathematical models to determine the ideal set of interventions that will result in a sustained reduction in TB incidence in line with the END TB goals.

#### Presenter bio:

Stella is a medical doctor and research scientist based at the Infectious Diseases Institute, College of Health Sciences, Makerere University. Her primary research focus is implementation research to improve delivery of TB care services. Over the past twelve years, she has worked on a number of initiatives to improve delivery of TB care services including a) the development of decentralized models of care for child and adolescent TB ; b) the improvement of TB care delivery in the private sector and c) the introduction of CXR +CAD into the TB screening algorithm in Uganda - including calibrating an optimal threshold score for triaging of patients in health facility settings.

#### Joining details

<https://lshtm.zoom.us/j/94943894687?pwd=fNxpZSvbUwHF8PjpWrTFfFgj4eqK2W.1>

Meeting ID: 949 4389 4687

Password: 462702

Click below to add the event to your calendar and ensure you don't miss out!

[Apple](#) [Google](#) [Office 365](#) [Outlook](#) [Outlook.com](#) [Yahoo](#)

A reminder that recordings of previous seminars can be found in the TB MAC video library:

<https://tb-mac.org/tb-mac-resource/tb-modelling-video-library/>

## **Papers**

[McQuaid et al](#) estimate the epi and economic impact of providing nutritional care for TB-affected households across India

[de Villiers et al](#) estimate TB healthcare service disruptions during the COVID-19 pandemic in Brazil, India and South Africa

[Villalva-Serra et al](#) evaluate the impact of strategic public health interventions to reduce TB incidence in Brazil

[Keogh-Brown et al](#) project the health and macroeconomic burden of TB in India for 2021-2040

[du Preez et al](#) develop methods for DR-TB surveillance using routine rapid diagnostic testing data in Brazil

[Baum et al](#) estimate the global burden of TB meningitis in children aged 0–14 in 2019

[Levintow et al](#) review transmission models of respiratory infections in carceral settings, including TB

[Mafirakureva et al](#) calculate the cost-effectiveness of integrating paediatric TB services into child healthcare services in Africa

[Alba et al](#) discuss subnational TB burden estimates

[Shrestha et al](#) estimate the cost-effectiveness of tNGS for detecting drug resistance in India, South Africa and Georgia

For more information on TB MAC, or to get involved, please contact any of the [TB MAC Committee](#), visit [www.tb-mac.org](http://www.tb-mac.org) or email us directly at [tb-mac@lshtm.ac.uk](mailto:tb-mac@lshtm.ac.uk).

Best wishes,

Richard, Finn, Christina and the TB MAC Committee

[www.tb-mac.org](http://www.tb-mac.org)

[tb-mac@lshtm.ac.uk](mailto:tb-mac@lshtm.ac.uk)

## **GDPR compliance**

In line with the new European data protection regulations (GDPR), we would like to make sure that you still want to hear from us and keep receiving the newsletter. Subscription to the newsletter means we have your name, email and organisation details stored in a private mailing list. If you no longer like us to keep this information or no longer wish to receive newsletters please click on unsubscribe below. Should you choose not to unsubscribe we will take this as your acceptance to continue receiving newsletters from us.



Tweet



Forward

Copyright © 2025 TB Modelling and Analysis Consortium, All rights reserved.

[unsubscribe from this list](#) [update subscription preferences](#)

