



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 information on a TB MAC leadership opportunity, our next TB MAC seminar and papers from our community.

Expressions of interest in TB MAC leadership

TB MAC's ambitions include inviting an institution in a high TB burden country to lead or co-lead TB MAC from the end of our current term in 2026. If successful in applying, this role would likely be funded by BMGF. To support identifying an institution to take on this role over the next two years, the organisation would be invited to join the current TB MAC committee (with small FTE funding support available) and provided with mentorship if useful.

Please contact Richard.white@lshtm.ac.uk and finn.mcquaid@lshtm.ac.uk if you think your organisation might be interested in this proposition. Please also let us know if you would like to recommend others who we might approach.

If you believe that your organisation or other organisations you know may be interested in this role, please email us with a brief outline of the following (or as much as possible at this stage):

- Your organisation name and location
- Key contact for the organisation who may lead the work
- Your (key contact and organisational) experience in 1 or more of the following (~1 very short paragraph with any appropriate links for each):
 - TB modelling
 - TB policy
 - Mathematical modelling more generally
 - Epidemiological analysis
 - Health economics

Join our next TB MAC seminar: Mmamapudi Kubjane presenting on Modelling the South African TB Epidemic [26th October 1400-1500 BST]

TB MAC would like to invite you to join us for a seminar Modelling the South African TB adult epidemic: Exploring the effects of HIV, sex differences, and assessing the impact and cost-effectiveness of TB programme interventions, given by a member of the TB MAC community, Mmamapudi Kubjane on the **26th October 1400-1500 BST**. See below for more details on the seminar, presenter and how to join.

Seminar summary:

The tuberculosis (TB) epidemic in South Africa remains a significant public health challenge, primarily fuelled by HIV infection, and the burden of TB is greater among males than females. The South African TB program has implemented several interventions to combat TB, including directly observed therapy, antiretroviral therapy, intensified screening, isoniazid preventative therapy, and the use of Xpert MTB/RIF

as a primary diagnostic tool. This talk will discuss the findings of an age- and sex-stratified TB transmission model developed to simulate the TB epidemic in South Africa over time, considering the impact of HIV and various interventions. Firstly, the presentation will cover the results of an analysis that quantified the impact of HIV and TB programmatic interventions on the adult TB epidemic in South Africa from 1990 to 2019. Secondly, it will explore the factors contributing to the higher TB incidence and mortality rates in men. Thirdly, the talk will assess the cost-effectiveness of current and new interventions proposed in the South African National Strategic Plan (NSP) for 2023-2028. Lastly, the talk will assess South Africa's prospects of achieving the End TB targets, which aim to reduce TB incidence and mortality by 80% and 90%, respectively, by 2030 compared to 2015 levels.

Presenter bio:

Mmamapudi Kubjane is a South African epidemiologist and modeller interested in modelling TB and the population-level impacts of interventions. More recently, interested in interventions to address social determinants of TB, post-TB sequelae, and TB-associated catastrophic costs. She recently completed her PhD at the University of Cape Town, which focused on modelling TB in South Africa and contributed to developing the Thembisa TB model. She is currently working at the Health Economics and Epidemiology Research Office, supporting the development of the TB Investment case.

Joining details:

The seminar will take place online on the **26th October 1400-1500 BST**, dial-in details:

<https://lshtm.zoom.us/j/91727875554?pwd=UGlwTWZzaVoxUFRwa3FYQ3BycnBUZz09>

Meeting ID: 917 2787 5554

Password: 563499

[Click the link to add the event to your calendar and ensure you don't miss out!](#)

TB MAC at the Union conference

A reminder to join us for a TB MAC social at the Union Conference, on Thursday 16th November
Please pencil in the evening of Thursday 16th November to join us in-person at the Union conference in Paris, for an informal gathering of the TB modelling and analysis community. Venue and time to be confirmed. We hope to see you there!

There is also still funding available for participants looking for an introduction to the basic structure, assumptions, principles, and concepts of TB modelling, look no further. TB MAC's Post Graduate course - 'An Introduction to Tuberculosis Modelling' - has been accepted to this year's Union Conference. The course will take place on Tuesday 14 November, from 08:00 to 14:00 CET in room 242 B (TR). We are able to cover the registration costs for up to 10 people to attend this course for individuals from low and middle income countries (normally ~Euro100). To apply for this funding, please email us at tb-mac@lshtm.ac.uk and include your current institution and country, as well as a brief paragraph justifying your interest. Successful applications will be notified on a weekly basis. Please pass on the details of this course to anyone you think would be interested.

Lastly, a draft Union programme is now out [here](#). For modelling-specific talks, please search for track D8.

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

Best wishes,

Richard, Finn, Christina and the TB MAC Committee

www.tb-mac.org

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.



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