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. Please see below for an exciting TB job opening, the opportunity to connect with other TB modellers and publications from our community.

Want to connect with other modellers?
At TB MAC we want to build networks within the TB modelling community. Ever wanted to be able to quickly and easily ask an expert just how they produce those rifampicin-resistance estimates for WHO? Or what the latest natural history definitions mean for your assumptions? Perhaps you just can't get your model to calibrate, and are hoping someone can help you work out why? We would like to invite you to join us on Slack, to meet with other members of TB MAC in a friendly and welcoming environment. Slack is an instant messaging program to bring people together to discuss topics of interest. Once you've joined you should see channels on the left-hand side; click on these to post thoughts or questions to the TB MAC community, or to reply and interact with others. We suggest starting by posting who you are and what you do in the introductions channel, to meet new colleagues. You can also add your own channels (open or locked to specific individuals) if you want to kick off a longer discussion about something specific. To join, click the link and get started networking with fellow TB modellers.

Call for Applications for NSP Training with WHO [Deadline: 22 March 2023]
The Global TB Programme at WHO is pleased to launch a call for applications to expand its global pool of consultants providing technical assistance to National TB Programmes throughout the strategic planning process. Successful candidates will be invited to attend a five-day workshop held from 5 to 9 June 2023 in Europe (specific location TBD) for training on TB surveillance and programmatic activities related to Epidemiological Reviews and Programme Reviews. For more information on the application process and to apply, please see this link.

Recent publications from our community
Scarponi et al demonstrate the multi-country calibration of a TB model using a new history matching and emulation package
Clark et al model the impact of alternative delivery strategies for novel TB vaccines in low-income and middle-income countries
Oboho et al model the impact of CD4 testing on mortality from TB and cryptococcal

meningitis among patients with advanced HIV disease in nine countries
Clark et al model the potential health and economic impacts of adolescent/adult vaccination with M72/AS01 E and BCG-revaccination in India
Brown et al systematically review models of the impact of interventions for TB prevention and care in South Africa
Sy et al estimate the burden of COPD attributable to TB
Bozzani et al evaluate the cost-effectiveness of TB infection prevention and control interventions in South African clinics
Kasaie et al demonstrate how trials underestimate the impact of preventive treatment for household contacts exposed to MDR-TB
Warren et al construct a spatial model of Mtb transmission using dyadic genetic relatedness data
Schwalb et al calculate the impact of reversion of Mtb immunoreactivity tests on the estimated Annual Risk of Infection
Barker et al evaluate the cost-effectiveness of latent TB infection screening of a migrant population in Malaysia
Brown et al use multiscale molecular dynamics simulations to model the mycobacterial plasma membrane
Ryckman et al model infectious and clinical TB trajectories and contribution to transmission
Bashir et al analyse approaches for computer-aided detection software as a screening and triage test for pulmonary TB
Nuraini et al model the impact of COVID-19 quarantines on TB and diabetes mellitus cases
Lai et al estimate the cost-effectiveness of 3HP vs 9H for latent TB infection
Ojo et al model the co-dynamics of COVID-19 and TB
Portnoy et al calculate the cost and cost-effectiveness of new vaccines in low- and middle-income countries
Starshinova et al model pre- and post-COVID TB prognosis and epidemiology in Russia

As always, please email us with relevant news for the community and let us know if you have any recently published TB modelling papers that you would like us to highlight in our future newsletters, email us with details.

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
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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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