



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 on the next TB MAC seminar, ECR meeting and papers from our community.

Join our next TB MAC seminar: Jonathon Campbell and Juan Vesga on The Return on Investment of Scaling Tuberculosis Screening and Preventive Treatment [18th July 1500-1600 BST]

TB MAC would like to invite you to join us for a seminar on The Return on Investment of Scaling Tuberculosis Screening and Preventive Treatment: A Modelling Study in Brazil, Georgia, Kenya, and South Africa, given by members of the TB MAC community, Jonathan Campbell and Juan Vesga on the 18th July 1500-1600 BST. See below for more details on the seminar, presenters and how to join.

Seminar summary:

Despite the WHO recommending tuberculosis case finding and preventive treatment, both practices remain under-utilized globally. In part, this is due to uncertainty in costs and value to national TB programs. In this talk, we discuss a study in which we worked with national TB programs from Brazil, Georgia, Kenya, and South Africa to develop mathematical models to project the cost, impact, and return on investment of scaling-up tuberculosis screening and preventive treatment to country-specific priority populations from 2024-2050.

Presenter bios:

Jonathon is an assistant professor in the Departments of Medicine and Global and Public Health at McGill University in Montreal, Canada, and an associate director of the McGill International TB Centre. His research centers on generating evidence to inform the design and implementation of novel tuberculosis prevention and care strategies that maximize public health impact, while minimizing health system and patient costs.

Juan is currently the Lead Vaccine Preventable Disease modeller for the Statistics, Modelling and Economics Department at UK Health Security Agency. During his work on TB modelling he's been interested in the transmission dynamics of TB in different epidemic settings, the impact of interventions at the population level and the development of useful frameworks of analysis for informed decision-making.

Joining details:

The seminar will take place online on the 18th July 1500-1600 BST, dial-in details:

<https://lshtm.zoom.us/j/97159538339?pwd=WUxNQnJVMlg0NE50bmJHc1pRS1Vzdz09>

Meeting ID: 971 5953 8339

Password: 340711

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/>

TB MAC meeting for Early Career Researchers [11th July 1300-1400 BST]

TB MAC is organizing a virtual discussion on the topic of Early Career Research. The discussion will comprise a panel of researchers who have experience working/conducting TB research in academic and non-academic settings, including Prof Liz Corbett (Professor of Global Health at LHSTM), Dr Gabriela Gomez (Senior Director of Global Access at IAVI), Prof Nick Menzies (Associate Professor of Global Health at Harvard TH Chan School of Public Health) and Dr Brook Nichols (Senior Director of Impact at FIND). The discussion will focus on questions or topics concerning early career research, including transitions from PhD and postdoctoral fellowship, experience in academic and non-academic settings, mentoring, research, and funding. We invite questions and suggested topics from interested Early Career Researchers and the TB modelling community on all topics concerning Early Career Research. Please submit your questions/suggestions to Sourya Shrestha (sourya@jhu.edu) in advance of the meeting.

Joining details:

The discussion will take place online on the 11th July 1300-1400 BST, dial-in details:

<https://us06web.zoom.us/j/84614585335?pwd=WezM0Kkoapmf3ymemusYUyxOGbFYIs.1>

Meeting ID: 846 1458 5335

Passcode: 520567

Papers

[Ross et al](#) model the prevention of TB with community-based care in an HIV-endemic setting

[Rubio et al](#) evaluate the effect of social protection mitigation on HIV/AIDS and TB in Brazil

[Assebe et al](#) estimate the cost-effectiveness of TB diagnostic technologies in Ethiopia

[Silke et al](#) review the cost-effectiveness of interventions for a range of diseases including TB in 128 countries

[de Nooy et al](#) compare trade-offs between clinical performance and test accessibility for TB diagnosis

[Liu et al](#) calculate the hospitalization cost for different groups of patients with pulmonary TB in China

[Evans et al](#) estimate the cost-effectiveness of BPaL for DR-TB treatment in the Philippines

[Khan et al](#) develop a fractal fractional model for TB

[Kang et al](#) evaluate the dynamics of a TB model with vaccination, treatment and contaminated environments

[Rastegar et al](#) estimate the time-varying reproduction number for pulmonary TB in Iran

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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