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 two TB modelling jobs, and publications from our community.

Epidemiology Job, Monash University [Deadline 09 February 2022]
Successful applicant will lead the epidemiological aspects of the project "Real-time modelling of the COVID-19 epidemic", including collating evidence for model inputs and interpreting the outputs of simulations. This will require close interaction with infectious disease modellers, situational awareness of the context considered, liaison with stakeholders/policy-makers, literature review of relevant inputs and production of manuscripts and reports from the model outputs. Although the role will be primarily COVID epi/modelling, it likely to include TB modelling too. For more detail on the role see here.

Infectious disease modeller, LSHTM [Deadline 02 February 2022]
We are seeking an enthusiastic and highly motivated infectious disease modeller to work on digital TB treatment adherence support as a part of the ASCENT Consortium (https://www.digitaladherence.org/). The successful candidate will develop mathematical models to examine the potential impact of these technologies in Ethiopia and other countries in the trial, including the implications for costs faced by patients.

Please click here for further details or to apply. Applicants are encouraged to contact Dr Finn McQuaid (Finn.McQuaid@lshtm.ac.uk) for an informal discussion prior to submitting an application. The post is full time and fixed-term, available from 01/01/2022 until 31/12/2022, with the potential for an extension up to one year subject to funder agreement to a no-cost extension.Those looking for flexible working arrangements are welcome to apply.

Publications
De Villiers et al model spatially-targeted digital chest radiography in 24 high TB burden communities
Goudiaby et al analyse an optimal control problem for COVID-19 and TB
Abbot et al reassess the evidence for universal school-age BCG vaccination in England and Wales
Alba et al describe a TB hackathon to develop and compare 5 models to predict

subnational tuberculosis prevalence in Pakistan

Bozzani et al use system dynamics modelling to estimate the costs of relaxing health system constraints for TB in South Africa

Abdelouahab et al perform a bifurcation analysis of a tuberculosis epidemic to investigate the role of seasonality

Nsengiyumva et al analyse the cost-effectiveness of triage strategies using AI-based chest X-ray interpretation in Karachi, Pakistan

Kendall et al model the use of preventive therapy with and without screening for subclinical TB in adults with HIV in South Africa and TB household contacts in Pakistan

Auguste et al calculate the cost-effectiveness of testing for latent TB infection in people with HIV in the UK

Gomez et al calculate the cost-effectiveness of using BPaL for treating extensively drug-resistant TB in South Africa, Georgia and the Philippines

Mulder et al calculate the budgetary impact of using BPaL for treating extensively drug-resistant TB in Indonesia, Kyrgyzstan and Nigeria

Silva et al estimate the economic impact of TB mortality in 120 countries and the cost of not achieving the Sustainable Development Goals tuberculosis targets

Salcedo et al calculate the cost-effectiveness of AI-monitoring for active TB treatment

Hassan et al calculate the cost-effectiveness of screening high-risk groups for TB in Malaysia

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, Madeleine and the TB MAC Committee
www.tb-mac.org
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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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