TB Modelling and Analysis Consortium

Dear << Test First Name >>,

Welcome to the latest TB Modelling and Analysis Consortium(TB MAC) newsletter, with information for TB modellers, epidemiologists, and decision-makers. To commemorate World TB day on the 24th of March we have included a section on related events from around the globe. The clock is ticking!

Value TB Dataset now available for costing models and informing decisions

Value TB was a three-year project funded by the Bill & Melinda Gates Foundation aiming to address the gap in TB cost data to inform policy decisions. In close collaboration with National TB Projects, data was collected in 78 health facilities across five countries including Kenya, Ethiopia, India, Philippines, and Georgia. There are two datasets available. The first dataset contains the costs of direct & ancillary services for TB – including for example outpatient visits, inpatient bed-days, lab tests, etc). The second dataset contains the costs of TB interventions per patient episode - including TB treatment, prevention, vaccination, and case finding interventions.

This work was the result of collaboration between researchers and economists at the London School of Hygiene & Tropical Medicine, World Health Organization, University of Cape Town, Armauer Hansen Research Institute, KEMRI-Wellcome Trust, George Institute for Global Health, Curatio International Foundation, and University of Philippines Manila.

Global Forum on TB Vaccines [20-22 April]

The Virtual Global Forum will bring together experts to discuss advances in TB vaccines against the backdrop of the COVID-19 pandemic, and to discuss opportunities and challenges for TB vaccine R&D in these unprecedented times. Click here for information about the Virtual Global Forum program, where registration is now open.

South African TB & COVID Online Conference [5-7 June]

The 6th South African TB (and COVID) Conference will be held on a virtual platform. The conference will include presentations on key cross-cutting themes in TB (drug-sensitive TB, drug-resistant TB, paediatric TB, HIV/TB, EPTB, and prevention, diagnosis and treatment) and COVID (variants, COVID in children, long COVID, and prevention, diagnosis and treatment) across four thematic tracks (Clinical Science, Basic Science, Public Health, and Human Rights/ Stigma/ Advocacy). In addition, the latest on TB and COVID-19 will be discussed.To register

for the conference, click here.

Recent publications from our community

Chitwood et al employ a Bayesian inference approach to estimate subnational TB incidence in Brazil

Ou et al assess trends in multidrug-resistant TB burden from 1990 to 2017

Peetluck et al review prediction models for pulmonary TB treatment outcomes in adults

Dodd et al develop methods to estimate country-specific TB incidence and mortality by age and sex

Kuddus et al model programmatic control of TB in Bangladesh

Weerasuriya et al estimate the impact and cost-effectiveness of new TB Vaccines on multidrug-resistant TB in India and China

Dodd et al estimate the global number of TB survivors

Ralaidovy et al conduct a generalised cost-effectiveness analysis across TB, HIV and Malaria

Havumaki et al develop a spatially explicit model of coupled household and community transmission to evaluate household contact tracing

Shedrawy et al calculate the cost-effectiveness of a latent TB screening program for migrants in Stockholm

Uppal et al calculate the cost-effectiveness of social and behavioral risk reduction strategies for TB prevention in Canadian Inuit communities

Jo et al calculate the cost-effectiveness of scaling up short course preventive therapy for TB among children across 12 countries

Amiri et al model geographically dependent individual-level Mtb transmission in Canada

Fu et al model the global burden of drug-resistant TB averted by a post-exposure vaccine

Emery et al infer a curve of self-clearance of Mtb infection by time from infection and explore its implications for TB epidemiology

Sayed et al calculate program costs and estimate the numbers of active TB cases diagnosed through screening non-immigrant U.S work visa applicants

Steffen et al calculate the cost-effectiveness of different TB diagnostic tools for people living with HIV in Brazil

If you have any recently published TB modelling papers that you would like us to highlight in our future newsletters, email us with details.

World TB Day events

Rutgers Global TB Institute New York City World TB Day webinar [19 March]

This webinar will address the TB prevention and elimination efforts in New York City, in the United States, and across the globe. Topics will include a review of local epidemiology, research findings, and the impact of COVID-19 on TB. Register here.

Stephen Lawn Memorial Lecture [22 March]

This annual lecture is organised in honour of the life and work of Professor Stephen Lawn. This year, Professor Graeme Meintjes of the University

of Cape Town will present on the ongoing clinical challenges posed by advanced HIV disease in South Africa despite 17 years of ART scale-up. More information can be found here.

WHO World TB Day: The Clock is Ticking [24 March]
The World Health Organization is organizing a virtual talk show to put the spotlight on TB in the midst of the ongoing COVID crisis. The theme for the Show and for World TB Day: 'The Clock is Ticking' – conveys the sense that the world is running out of time to act on the commitments to end TB made by global leaders. This is especially critical in the context of the COVID-19 pandemic that has put End TB progress at risk, and to ensure equitable access to prevention and care in line with WHO's drive towards achieving Universal Health Coverage. For more information click here.

LSHTM TB Centre and UCL-TB World TB Day Symposium [24 March]
The LSHTM TB Centre and UCL-TB are holding their 11th World TB Day Symposium, which is open to all. On the day, four insightful and thought-provoking scientific sessions will cover experiences from the frontline in TB care and prevention, how to find the missing millions, the shifting paradigm of Mtb infection and TB disease and TB drug discovery. A full agenda and details of how to join are available here.

McGill International TB Centre 8th Annual TB research day [24 March]
Stop TB Canada, McGill International TB Centre and RESULTS Canada will host their Annual Research TB Day online. Find out more and join the webinar here.

Curry International Tuberculosis Center and the UCSF Center for Tuberculosis World TB Day webinar [24 March]
Curry International Tuberculosis Center and the UCSF Center for Tuberculosis will co-host the World TB Day Webinar, which will feature presentations from international leaders in TB research and policymaking and will focus on exciting UCSF research advances and preview upcoming programs. Find out more here.

Other Modelling events coming up
Introduction to infectious disease modelling and it applications [14-25 June]
This 2 week intensive online course is hosted by Public Health England and the London School of Hygiene and Tropical Medicine.The course is designed for individuals interested in expanding their knowledge of the techniques for analysing and interpreting epidemiological data on infectious diseases and for predicting the impact of control programmes, including medical and health professionals, policy makers, veterinary scientists, health economists, medical statisticians and infectious disease researchers. Further details about the course content and an application form are available here.

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.

On behalf of all of us here at TB MAC we thank you for your ongoing subscription and which you a happy festive season and new year.

Best wishes,
Richard, Finn, Madeleine and the TB MAC Committee
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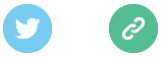
GDPR compliance

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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