



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 and papers from our community.



*The TB MAC Introduction to Modelling course headlined a recent newsletter on the Union's courses, once again thank you to all of you who joined us or helped make that happen!*

**Join our next TB MAC seminar: Yiran Liu on Impacts of mass incarceration and policy alternatives on the tuberculosis epidemic in Latin America [14th March 1400-1500 GMT]**

TB MAC would like to invite you to join us for a seminar on Impacts of mass incarceration and policy alternatives on the tuberculosis epidemic in Latin America, given by a member of the TB MAC community, Yiran Liu on the 14th March 1400-1500 GMT. See below for more details on the seminar, presenters and how to join.

**Seminar summary:**

Amidst slow global progress toward TB elimination, Latin America has seen a 19% increase in TB incidence since 2015, highlighting the urgent need to understand and address key TB drivers in the region. In Latin America, the prison population has quadrupled since 1990, and TB risk in prisons is 26 times higher than in the general

population. Yet, the role of incarceration

**Presenter bio:**

Yiran Liu is a PhD candidate in Epidemiology at Stanford University. Her dissertation research investigates molecular- to population-level determinants of infectious disease and mortality, with the ultimate goal of identifying solutions to promote health equity. Within the tuberculosis modelling realm, she is particularly interested in modelling social and structural drivers and interventions to guide more holistic, multi-level strategies for tuberculosis elimination.

**Joining details:**

The seminar will take place online on the 14th March 1400-1500 GMT, dial-in details:

<https://lshtm.zoom.us/j/95737222607?pwd=NGJ6d0t0T1AvVUZqWmoyQ3VwQnZQZz09>

Meeting ID: 957 3722 2607

Password: 465465

Click below to add the event to your calendar and ensure you don't miss out!

[Apple](#) [Google](#) [Office 365](#) [Outlook](#) [Outlook.com](#) [Yahoo](#)

**Papers:**

[Muniyandi et al](#) project the potential impact of the COVID-19 pandemic on TB in Tamil Nadu, South India

[Banholzer et al](#) estimate the airborne transmission risks of TB and COVID-19 in schools in South Africa, Switzerland, and Tanzania

[Bowring et al](#) evaluate the use of modelling in resource allocation decisions for HIV and TB

[Gao et al](#) model indirect environmental transmission and the infectivity of smear-negative individuals in Xinjiang, China

[Min et al](#) estimate the cost-effectiveness of improving adherence to TB treatment in South Korea

[Pei et al](#) estimate the cost-effectiveness of community-based active case finding in Shenzhen, China

[Sinha et al](#) estimate the cost-effectiveness of In-kind nutritional supplementation for household contacts of persons with TB in India

[Sumner et al](#) model the health and economic impacts of M72/AS01E vaccination and BCG-revaccination in South Africa

[Fekadu et al](#) estimate the cost-effectiveness of a pretomanid-based regimen for highly drug resistant TB in the United States

[Ekramnia et al](#) calculate rates of progression to TB disease for persons infected with M.tb in the United States

[Datta et al](#) model oxygen, nutrient, and drug transport in TB granulomas

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

Best wishes,

Richard, Finn, Christina and the TB MAC Committee

[www.tb-mac.org](http://www.tb-mac.org)

[tb-mac@lshtm.ac.uk](mailto:tb-mac@lshtm.ac.uk)

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