



# TB Modelling and Analysis Consortium

TB MAC Modelling Research Group  
3rd - 4th Oct 2019  
Istanbul



# MRG Background

Component of the TB MAC Annual Meeting

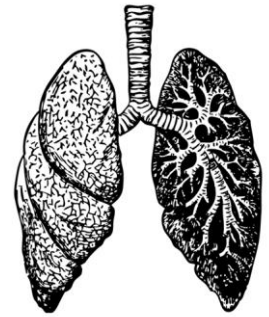
Goal: Advance the science of TB modelling

Each meeting focused on one theme

Determined by iterative voting process

Recent themes: TB case finding, TB prevention

This year's theme: **Modeling the interplay of TB<sub>2</sub> with primary/universal health care (UHC)**



# MRG Goals

1. **Update stakeholders** on key issues in modeling TB and UHC
1. Prioritize **tangible outputs** (e.g., manuscripts, tools, etc.) that might be collaboratively produced
1. **Increase networking** and sharing of knowledge between modelers, epidemiologists and other stakeholders
1. Opportunity to access **\$100k funding**

# RFA is Live: <http://tb-mac.org/rfa>



The screenshot shows the website for the TB Modelling and Analysis Consortium. The header includes the logo, the name of the consortium, and the tagline "Increasing the effectiveness of TB care and prevention". Navigation links for "Who we are", "What we do", and "Get Involved" are present, along with a search icon. The main content area features a blue banner with the text: "Funding opportunity for projects on modeling the epidemiology and/or economics of the interplay between Tuberculosis (TB) and primary care/universal health coverage (UHC)". Below this banner is a breadcrumb trail: "Home > RFAs > Funding opportunity for projects on modeling the epidemiology and/or economics of the interplay between Tuberculosis (TB) and primary care/universal health coverage (UHC)". The main content area lists the following dates: "Application Opens: 2019-10-01", "Application Closes: 2019-10-31 at midnight GMT", "RFA Opening date - 00:00 GMT Oct. 1, 2019", "RFA Closing date - 23:59 GMT Oct. 31, 2019", and "RFA Decision date - Nov 18<sup>th</sup>, 2019". On the right side, there is a "GET INVOLVED" section with links for "News", "Events", "Training", "Jobs", and "Request for Applications".

**TB Modelling and Analysis Consortium**  
Increasing the effectiveness of TB care and prevention

Who we are ▾ What we do ▾ Get Involved ▾ 🔍

Funding opportunity for projects on modeling the epidemiology and/or economics of the interplay between Tuberculosis (TB) and primary care/universal health coverage (UHC)

🏠 > RFAs > Funding opportunity for projects on modeling the epidemiology and/or economics of the interplay between Tuberculosis (TB) and primary care/universal health coverage (UHC)

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GET INVOLVED

- News
- Events
- Training
- Jobs
- Request for Applications

# Structure of the Meeting

## **Day 1: Keynote (Aamir Khan) + Scientific Sessions**

Role of models in understanding impact of UHC on TB

Methodological perspectives on capturing impact of UHC on

TB

Specific issues of relevance to modeling TB and UHC

Models for financing TB services in the context of UHC

**Small group formation**

# Structure of the Meeting

## **Day 2: Perspectives, Group Work, Discussion, Closing (Peter Small)**

Perspectives on priorities & needs for models of UHC/TB

Roundtable Discussion: Kenya case study

Small Groups: targeted discussion

Small group presentations + large group discussion

Summary and closing remarks



# Small Groups

- Each oriented around a **theme** that parallels the MRG discussion and RFA structure
- **Task:** Develop a **two-slide presentation:**
  - 3-5 key questions/considerations for your theme
  - One proposed approach to advance modeling in that theme over the next 12 months
- 90 minutes to complete your task (11-12:30 tomorrow)
- Presentations + full group discussion from 1:30-3pm

# Request for Applications

- <http://tb-mac.org/rfa/funding-opportunity-for-projects-on-modeling-the-epidemiology-and-or-economics-of-the-interplay-between-tuberculosis-tb-and-primary-care-universal-health-coverage-uhc/>



# Group 1: Incorporating local/country-level UHC approaches in epidemiological and/or economic models of TB interventions

Ivdivy Chikovani

Hongjo Choi

Kritika Dixit

Philippe Glaziou

Ilker Kayi

Aamir Khan

Emma McBryde

Finn McQuaid

Sedona Sweeney

# Group 2: Using models to estimate the impact of UHC on TB outcomes

Melanie Chitwood

Ozge Karanfil

Katherina Kranzer

Hsien-Ho Lin

Guy Marks

William Rudgard

Sze-Chuan Suen

Richard White

Juan Vesga

# Group 3: Using models to improve the design, optimization, and implementation of primary care or UHC schemes for TB

David Collier

Rein Houben

Michael Kimerling

Lisa Koeppel

Chu-Chang Ku

Nim Pathy

Laura Rosu

Peter Small

Hojoon Sohn

# Group 4: Using models to inform financing of TB services in the context of UHC

David Collins

George Gotsadtze

Nichola Kitson

Jason Madan

Krishna Reddy

Francis Ruiz

Anna Vassall

Shufang Zhang

# Group 5: Using models to evaluate and advance ethical and equity aspects of TB/UHC-focused interventions

Delia Boccia

Fiammetta Bozzani

Averi Chakrabarti

Madeleine Clarkson

Ted Cohen

Kathy Fiekert

Evaline Kibuchi

Nick Menzies

Fernando Rubinstein

# One-hour window to change groups!

Contact **Sourya Shrestha** ([sshres14@jhu.edu](mailto:sshres14@jhu.edu), or in person)

## Reminder of groups:

1. Incorporating country-level UHC plans into models
2. Modeling impact of UHC on TB
3. Models to improve design/optimization/implementation of UHC
4. Models to inform financing of TB services under UHC
5. Models to evaluate ethical/equity aspects of TB/UHC



# Keynote Speaker: Aamir Khan

Executive Director of IRD

Trained in medicine (Aga Khan) international health (Johns Hopkins)

Founded IRD in 2004

Member of the leadership team of endTB and Challenge TB

Board of Directors of OpenMRS and OpenSRP (open-source software consortia)

All-around mastermind in the fight to end TB

