



TB Times

Mayo Clinic Center for Tuberculosis (MCCT)

UPCOMING EVENTS

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details

[Innovations in TB Series](#)

**Multidisciplinary
Management of TB
Drug Reactions**
September 27,
2024
Webinar

[TB Clinical Intensive](#)

October 9-10, 2024
Rochester, MN
In-person

[Iowa TB Clinical Intensive](#)

October 24-25,
2024
Des Moines, IA
In-person
Iowa Employees
Only

[Bi-State Infectious Disease Conference](#)

November 8, 2024
St. Louis, Missouri
In-person

[2024 Civil Surgeons Series](#)

eMedical
Reporting Process
December 12, 2024
Webinar



Join Us for the TB Clinical Intensive in Rochester, MN!

Mark your calendars for October 9-10, 2024, as we host our annual TB Clinical Intensive in Rochester, MN. This two-day event is designed to provide participants with a comprehensive understanding of tuberculosis infection, disease, and clinical care through an interdisciplinary, interactive approach. This event will also be livestreamed for those that are not able to attend in-person.

The curriculum features a combination of lectures and case management sessions, encouraging participants to engage with expert speakers representing various disciplines such as physicians, pharmacists, and nurses. Highlights from the agenda include sessions on IGRA updates, drug-susceptible TB, drug-resistant TB, mental health, and TB contact investigation.

This AMA, ANCC, and ACPE credited event offers the opportunity to enhance your clinical skills and network with professionals in the field of TB care. Registration is open, and room blocks are available at the [Kahler Grand Hotel](#), located in downtown Rochester. [For more details and to register, visit our event page.](#)

Innovations in Tuberculosis Series Upcoming Sessions

Multidisciplinary Management of TB Drug Reactions: Insights from a Physician, a Pharmacist, and a Nurse **September 27, 2024 | 12-1 PM CST**

In this webinar, participants explore the management of adverse drug reactions in tuberculosis (TB) treatment. This session features three distinguished experts—a physician, a pharmacist, and a nurse—each providing unique perspectives on the progression of care for patients undergoing TB treatment. [Register Here](#)

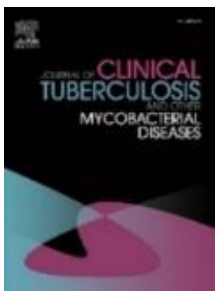
Large Language Models Use in TB **October 25, 2024 | 12-1 PM CST**

This course examines the emerging role of large language models (LLMs) in tuberculosis (TB) care and research. Participants explore how these models can process and analyze vast amounts of textual data, offering predictive insights into TB treatment outcomes, improving information extraction through natural language processing (NLP) techniques, and transforming patient-provider communication. [Register Here](#)

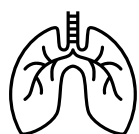
Journal Spotlight on TB

[Molecular epidemiology of *Mycobacterium tuberculosis* in Ecuador: Recent advances and future challenges](#)

Tuberculosis places a heavy burden on countries with low socio-economic development and aggravates existing inequalities. For the year 2021, estimations for Ecuador were 8500 TB cases, of which 370 were associated to multiple drug resistance (TB-MDR), and 1160 deaths. With less than 1 % MTB isolates genetically characterized by either MIRU-VNTR, spoligotyping or WGS to date, molecular epidemiology research must be improved to assist the TB surveillance and control program in Ecuador. [Read the full article here.](#)



[Factors associated with tuberculosis drug resistance among presumptive multidrug resistance tuberculosis patients identified in a DRTB surveillance study in western Kenya](#)



In Western Kenya, there is reported low prevalence of drug-resistant strains among HIV tuberculosis patients, creating a need to determine factors associated with drug resistance patterns among presumptive MDR-TB patients. The serious epidemic of MDR-TB is considered an important public health issue in many nations and constitutes a huge factor hampering effective TB control worldwide, which then highlights the usefulness of universal drug susceptibility testing. This study sought to determine factors associated with MDR-TB among presumptive multidrug resistance tuberculosis patients identified in a drug resistance TB surveillance study in western Kenya. [Read the full article here.](#)

Jointly Sponsored by the TB Education and Training Centers and the National TB Nurse Coalition



Upcoming NTNC National Webinar October 24th 11 AM PT

Caring for patients living with TB at the end of life can present many challenges. This webinar will review patient scenarios, factors to consider, and general guidance to support patients and protect public health. Presenters will share hospice and palliative care resources to help patients, families, and healthcare staff. This webinar is part of a collaborative Nurse Education Series. The 4 Tuberculosis Centers of Excellence for Training, Education, and Medical Consultation ([TB COEs](#)) have partnered with the National Tuberculosis Nursing Coalition ([NTNC](#)) to offer a tuberculosis nurse case conference series. [Learn more here.](#)



CDC Updates

Process and Outcome Evaluation of the Centers for Disease Control and Prevention's *Think. Test. Treat* TB Health Communications Campaign

The CDC recently published an article in Sage Journals about the impact of their [Think. Test. Treat. TB Campaign](#). The *Think. Test. Treat. TB* health communications campaign aims to increase awareness of latent tuberculosis infection (LTBI) among non-US-born populations, particularly those from the Philippines and Vietnam, and their healthcare providers. The campaign's process evaluation tracked exposure (via advertisements and online clicks) and engagement, while outcome evaluation surveyed participants' awareness, knowledge, perceptions, and behavioral intentions. During the campaign's rollout (March–September 2022), it generated over 33 million impressions and widespread distribution of materials. Survey results showed that 71.1% of consumer respondents were exposed to the campaign, with 87.8% intending to discuss TB with their provider. The campaign effectively raised awareness about LTBI, supporting ongoing efforts to promote testing and treatment in the U.S. to help eliminate TB. [Read the full publication here.](#)



Newsletter Content Suggestions

We invite you to be active participants in shaping the content of our newsletter. We will do our best to provide clarity on your TB related questions and include topics and events you would like to showcase. Simply submit your ideas to [TB Times Content Suggestion](#). Each issue we will feature suggested content, making this newsletter a true reflection of your needs.

Vision

To become a regionally, nationally, and internationally recognized Center of Excellence for tuberculosis.

Mission

To contribute, in a meaningful way, to the control, management, and elimination of tuberculosis regionally, nationally, and globally.



Medical Consultation

MCCT provides expert medical consultation to public health and medical professionals in our assigned region. We have colleagues with expertise in public health nursing, pharmacy, laboratory, occupational health, pediatrics, and radiology just to name a few.

Consultations can be requested using one of the following options:

- Submit at [IDCrowd Platform](#)
- Email tbcenter@mayo.edu
- Call 507-284-0275

IDCrowd is the preferred platform for submitting requests used by all TB COEs. If you are using IDCrowd for the first time, choose the option to register for a new membership. Additional information on how to submit a request can be found [here](#).

Mini Fellowships

As part of the TB COE initiatives, MCCT is providing mini-fellowship opportunities for healthcare professionals seeking to deepen their understanding of TB.

Experiences will be curated to meet individual learning needs. Some experiences that may be offered include shadowing healthcare professionals as they interact with patients, observing directly observed therapy (DOT), and participating in TB case reviews.

You can find out more information by emailing tbcenter@mayo.edu. To be considered for a mini fellowship, please submit an [application here](#).

Educational Requests

MCCT is able to support a variety of TB related needs including virtual and in-person training, educational material development, and technical assistance. Please contact us to discuss ways we can support your work in treating and preventing tuberculosis.

Contact Us



TBcenter@mayo.edu



centerfortuberculosis.mayo.edu



507-284-0275