

TB Clinical Intensive



2024 Program

October 9-10, 2024

Rochester, Minnesota

Siebens Building

Leighton Auditorium

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About Us

Mayo Clinic Center for Tuberculosis (MCCT) is home to a multi-disciplinary team of healthcare professionals organized to work collaboratively to combat tuberculosis through its priority activity areas of patient care, education, research, and digital health.

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.

Our Region

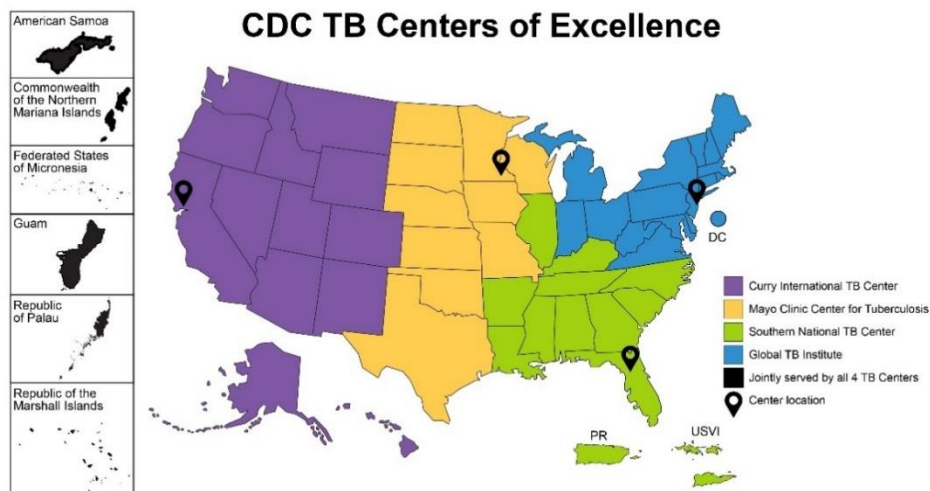
Mayo Clinic Center for Tuberculosis (MCCT) is a CDC-designated TB Center of Excellence (TB COE) serving Iowa, Kansas, Minnesota, Missouri, Nebraska, North Dakota, Oklahoma, South Dakota, Texas, and Wisconsin.

Contact

Email: TBcenter@mayo.edu

Phone: 507-284-0275

Website: <https://centerfortuberculosis.mayo.edu>



Course Information



Course Description

This two-day intensive course addresses all the aspects of tuberculosis infection, disease and clinical care using an interdisciplinary and interactive approach. The curriculum is provided through lecture and interactive case management sessions. The faculty is selected for their unique skills in encouraging interaction and building rapport with participants. The atmosphere is relaxed with an expectation that a free exchange of questions, comments and information occur.

Target Audience

Allied Health Professional, Nurse, Physician, Resident/Fellow, Pharmacy Technician, Pharmacist, Public Health & Infectious Disease MD, RN, Pharm.D., Public Health Professional, and Laboratory Technologist

Learning Objectives

Upon completion of this course participants will be able to:

- Identify unique considerations for children with tuberculosis.
- Recognize appropriate treatment plans for drug-resistant tuberculosis.
- Identify first-line therapy for drug-susceptible tuberculosis.
- Recall strategies for managing adverse drug reactions in TB patients.
- Identify advanced diagnostic strategies for the detection of *M. tuberculosis*.
- Recognize treatment challenges for TB patients with comorbidities (e.g., diabetes, HIV)
- List adherence strategies as part of a TB case management plan.

Accreditation



JOINT ACCREDITATION
INTERPROFESSIONAL CONTINUING EDUCATION

Accreditation Statement

In support of improving patient care, Mayo Clinic College of Medicine and Science is jointly accredited by the Accreditation Council for Continuing Medical Education (ACCME), the Accreditation Council for Pharmacy Education (ACPE), and the American Nurses Credentialing Center (ANCC) to provide continuing education for the healthcare team.

Credit Statement(s):

AMA

Mayo Clinic College of Medicine and Science designates this live activity for a maximum of 12.25 *AMA PRA Category 1 Credits*[™]. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

ANCC

Mayo Clinic College of Medicine and Science designates this activity for a maximum of 12.25 ANCC contact hours. Nurses should claim only the credit commensurate with the extent of their participation in the activity.

ACPE



Mayo Clinic College of Medicine and Science designates this educational activity for a maximum of 12.25 ACPE Knowledge-based contact hours. Participants should claim only the credit commensurate with the extent of their participation in the activity.

UAN Number: [JA0000238-0000-24-142-L01-P](#)

Other Healthcare Professionals:

A record of attendance will be provided to all registrants for requesting credits in accordance with state nursing boards, specialty societies or other professional associations.

For disclosure information regarding Mayo Clinic School of Continuous Professional Development accreditation review committee member(s) and staff, please visit the [event page](#).

Available Credit

- [12.25 AMA PRA Category 1 Credit](#)[™]
- [12.25 Attendance](#)

How to Claim Credit

You have one year from the conference date to claim credit. You must complete the course evaluation, before claiming your credit. To claim credit, follow the steps below. For assistance email etc@mayo.edu.

1. Go to <http://ce.mayo.edu>.
2. Select **My Account**.
3. Select **My Registered Courses**.
4. Select the course title you wish to access.
5. In **Course Summary** select **Start**.
6. Select **Start Course** and navigate to the **Course Evaluation**. Complete the evaluation.
7. In **Course Progress**, select **Credit** and follow the steps on the screen to claim credit.

Day 1 Schedule

Wednesday, October 9

7:30 a.m.	Registration and Check-in	
8:00 a.m.	Welcome and Program Overview	Zelalem Temesgen, M.D.
DIAGNOSIS Session Chair: Zelalem Temesgen, M.D.		
8:05 a.m.	Regional Epidemiology	Zelalem Temesgen, M.D.
8:45 a.m.	Laboratory Diagnostics	Elizabeth Ann Misch, M.D.
9:15 a.m.	IGRA Updates related to Pediatrics	James Gaensbauer, M.D., MScPH
9:45 a.m.	Culture-Negative TB	Douglas Hornick, M.D.
10:15 a.m.	Break	
10:30 a.m.	Understanding Class 5 TB Suspects: Identification and Management	John Wilson, M.D.
11:00 a.m.	Diagnosis Panel Q&A Session Zelalem Temesgen, M.D. Elizabeth Ann Misch, M.D. James Gaensbauer, M.D., MScPH	Douglas Hornick, M.D. John Wilson, M.D.
11:30 a.m.	Lunch	
TREATMENT Session Chair: James Gaensbauer, M.D., MScPH		
12:45 p.m.	Latent Tuberculosis Infection (LTBI) Treatment Update	MJ Kasten, M.D.
1:15 p.m.	Window Period Prophylaxis	Andrea Cruz, M.D., M.P.H.
1:45 p.m.	Treatment of Drug-susceptible Tuberculosis	Maryam Mahmood, M.B., Ch.B.
2:15 p.m.	Break	
2:30 p.m.	Adverse Drug Reactions	John Zeuli, Pharm.D., R.Ph.
3:00 p.m.	Adult Case Review - Pulmonary Fascinomas with a Tuberculosis Attitude	Douglas Hornick, M.D.
3:30 p.m.	Treatment of Drug-resistant Tuberculosis	John Wilson, M.D.
4:00 p.m.	Treatment Panel Q&A Session MJ Kasten, M.D. Andrea Cruz, M.D., M.P.H. Maryam Mahmood, M.B. Ch.B.	John Zeuli, Pharm.D., R.Ph. Douglas Hornick, M.D. John Wilson, M.D.
4:30 p.m.	Closing Remarks and Adjourn	

Day 2 Schedule

Thursday, October 10

7:30 a.m.	Check-in	
8:00 a.m.	Welcome and Agenda Overview	Zelalem Temesgen, M.D.
SPECIAL POPULATIONS Session Chair: Jennifer Curran, Ed.D.		
8:15 a.m.	Immunomodulatory Biologics: Implications for Latent and Active Tuberculosis	Tanner Johnson, Pharm.D., R.Ph.
8:45 a.m.	Pediatric Tuberculosis: Radiologic Considerations	James Gaensbauer, M.D., MScPH
9:15 a.m.	Special Populations: Tuberculosis (TB) and Diabetes	Jane Njeru, M.B., Ch.B.
9:45 a.m.	BREAK	
10:00 a.m.	Tuberculosis (TB) and Mental Health: Understanding the Intersection	Robert (Rob) Morgan, III, M.D., Ph.D.
10:45 a.m.	Tuberculosis (TB)-HIV Co-Infection	Maryam Mahmood, M.B. Ch.B.
11:15 a.m.	Special Populations Panel Q&A Session Tanner Johnson, Pharm.D., R.Ph. James Gaensbauer, M.D., MScPH Jane Njeru, M.B. Ch.B.	Robert (Rob) Morgan III, M.D., Ph.D. Maryam Mahmood, M.B. Ch.B.
11:45 a.m.	Lunch	
MANAGEMENT Session Chair: Zelalem Temesgen, M.D.		
1:00 p.m.	The Fundamentals of Tuberculosis (TB) Case Management	Nadya Sabuwala, D.N.P., M.S., M.P.H., R.N., P.H.N.
1:30 p.m.	Tuberculosis (TB) Contact Investigation Essentials	Shea Rabley, R.N., M.N.
2:00 p.m.	Management Panel Q&A Session Nadya Sabuwala, D.N.P., M.S., M.P.H., R.N., P.H.N. Shea Rabley, R.N., M.N.	
2:30 p.m.	Pediatric Case Review	James Gaensbauer, M.D., MScPH
3:00 p.m.	Closing Remarks and Adjourn	Zelalem Temesgen, M.D.

Educational Offerings



LIVE VIRTUAL EVENTS

INNOVATIONS IN TUBERCULOSIS WEBINAR SERIES

Large Language Models Use in Tuberculosis

October 25, 2024 | 12 p.m. CST

Speaker: Daniel Brailita, M.D.

Class 5 Tuberculosis

November 22, 2024 | 12 p.m. CST

Speaker: John Wilson, M.D.

Tuberculosis and HIV

December 6, 2024 | 12 p.m. CST

Speaker: Maryam Mahood, M.B., Ch.B.

TUBERCULOSIS FOR CIVIL SURGEONS WEBINAR SERIES

Reporting in eMedical for Civil Surgeons and Supporting Healthcare Professionals

December 12, 2024

Speaker: Deborah Lee, M.P.H.



IN-PERSON

Bi-State Infectious Disease Conference

November 8, 2024

St. Louis, Missouri

Renaissance St. Louis Airport Hotel



SELF STUDY [RECORDED WEBINARS]

Therapeutic Drug Monitoring in Active TB

Speaker: John Zeuli, Pharm.D. BCPS, AQ-ID, AAHIVM

TB Diagnostic Strategies

Speakers: Nancy Wengenack, Ph.D., and Elitza Theel, Ph.D.

Tuberculosis the the Eye

Speaker: Wendy Smith, M.D.

And many more!

For more information on our trainings, scan the QR code or go to centerfortuberculosis.mayo.edu/education-and-training



Expert Medical Consultation

MCCT has assembled a multi-disciplinary, multi-professional, and multi-institutional team of experts, including physicians (infectious diseases, pulmonology, pediatrics, ophthalmology, radiology), public health nurses, pharmacists, and microbiologists to work collaboratively to respond to the needs of public health and medical professionals within our region and provide timely consultation to complex cases.



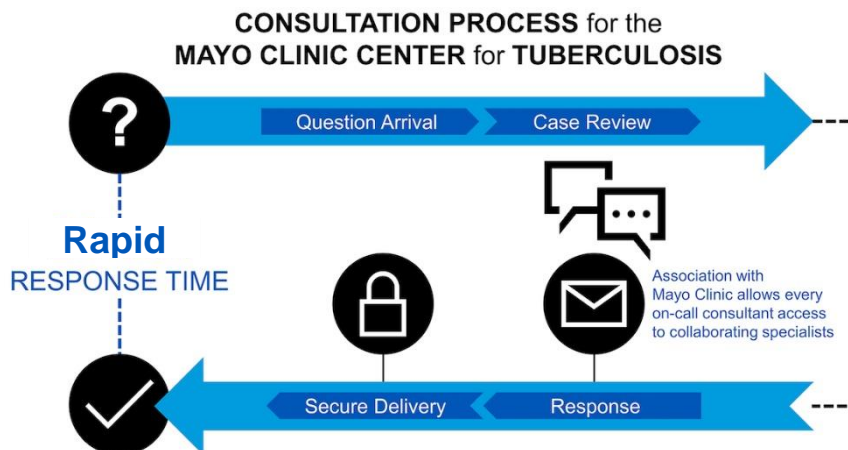
Phone consultation requests are monitored by MCCT staff and the information is then forwarded to the consultant on duty for that week. Callers receive a response from the consultant within two business days.

IDCrowd is a 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.

Our Process

Faculty are assigned on a weekly rotation throughout the year to receive and respond to queries throughout the entire work week, during working hours (Monday-Friday, 8-5 pm CST). Queries are received through tbcenter@mayo.edu or [MCCT.idcrowd.org](https://mcct.idcrowd.org) or 507-284-0275.

The coordinator triages the inquiry and directs the question to the appropriate on-call consultant. The consultant receiving the query reviews the information, contacts the client for additional information (if necessary) to ensure a complete understanding of the case, writes and submits a written response back to the inquirer. Follow-up questions on a particular patient that are received subsequently are preferentially referred to the same consultant who completed the initial review and analysis to ensure and optimize continuity.



Mini Fellowship

Overview

Mayo Clinic Center for Tuberculosis (MCCT) offers a 2-5 day mini-fellowship to provide first-hand knowledge and experience in carrying out various aspects of TB prevention and control. The goal is to share TB expertise and knowledge with healthcare providers in a variety of settings, which can then be translated into clinical and public health practice. Our Center works to meet the individual needs of those who attend by assessing areas of practice and communities served and matching identified objectives with appropriate activities. Depending on the identified experience and needs of the learner, the proposed mini-fellowship will provide a more personal and intensive experience in a variety of settings, including opportunities to:

- Meet with and observe a tuberculosis (TB) clinician
- Present a clinical case
- Discuss cases with TB experts
- Visit laboratory facilities for the diagnosis of TB
- Observe TB control activities in public health offices

Requirements

Applicants must be from one of the 11 project areas (North Dakota, South Dakota, Minnesota, Wisconsin, Iowa, Kansas, Oklahoma, Missouri, Nebraska, Texas, and the city of Houston) and work with TB patients in either a clinical or public health setting (e.g., physicians, nurses, outreach workers, disease investigators).

Fellowships are based in Rochester, Minnesota. All travel arrangements and expenses are the sole responsibility of the applicant.

In addition to completing the application form, please email a copy of your resume/CV to tbcenter@mayo.edu.

Upon acceptance as an MCCTB fellow, a letter of support from your institution/organization director is required.

Upon completion of the mini-fellowship, the applicant will complete an evaluation on the training received and their experience in the program within 2 weeks of return to work.

For more information visit our website at
centerfortuberculosis.mayo.edu/education-and-training/mini-fellowship/

Food Near Me



Quick and Easy

Saladworks

Subway Level
101 First Ave. SW

Qdoba Mexican Grill

Street Level
20 Second Ave. SW

Bruegger's Bagels

Street Level
155 First Ave. SW

Yum! Poke'

Street Level
9 Third Ave. NW

City Market

Street Level
212 First Ave. SW

Galleria at University Square Food Court

Second Floor
111 South Broadway

Dine In

Salute Wine Bar & More

Rochester Marriott Hotel
101 First Ave, SW

Chester's Kitchen

University Square
111 Broadway

Victoria's Ristorante

Street Level
7 First Ave. SW

Olde Brick House

Street Level
19 First Ave. SW

Pasquale's Neighborhood Pizzeria

130 5th St. SW

The Tap House

Street Level
10 Historic Third St. SW

Mill Kitchen

Street level
150 Broadway Ave

CB3 Burgers and Brew

Street Level
9 Third Ave. NW

Thai Pop

Street Level
4 3rd Street SW

Beverages

Tea Time

Street Level
20 Second Ave. SW

Caribou Coffee

Subway Level
101 First Ave. SW

Café Steam

University Square
315 S Broadway

Snacks and Sweets

Carroll's Corn

Subway Level
20 Second Ave. SW

Dunkin' Donuts

Kahler Grand, Street Level
15 First Ave. SW

Cinnabon

Subway Level
101 First Ave. SW

Save the Date



Mayo Clinic Center for Tuberculosis

TB Clinical Intensive

October 8-9, 2025

Rochester, MN