

# **TB Basics and Patient-Centered Care**



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## AGENDA

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*All times are listed in Pacific Standard Time*

12:00-12:05 PM	<b>Welcome and Introductions</b>  Presented by: Cherie Stafford, MSN, MPH, Nurse Coordinator with the TB Control Program, Arizona Department of Public Health  Guest lecture by: Jacqueline Cuen, MS, Former TB Patient and Advocate  Curry TB Center Moderator: Ann Raftery, Associate Medical Director
12:05-12:55 PM	<b>TB Transmission, Pathogens, and Classifications</b>
12:55-1:10 PM	<b>Dr. Kelly Holland video</b>
1:10-1:40 PM	<b>Former TB Patient Story</b>
1:40-2:00 PM	<b>Wrap-up and Closing</b>

## LEARNING OBJECTIVES

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**By the end of this training, participants will be able to:**

- list the three priority strategies that the Centers for Disease Control and Prevention recommends for public health agencies to implement in order to control and prevent tuberculosis (TB)
- identify several characteristics that distinguish active TB disease from latent TB infection (LTBI)
- appropriately apply the American Thoracic Society (ATS) TB classifications
- apply insights gained upon hearing the journey through diagnosis and treatment from a TB survivor to improve delivery of TB care to patients in their setting
- provide information on peer support groups such as We Are TB for persons undergoing tuberculosis treatment in their setting

## TB NURSE CASE MANAGEMENT CORE COMPETENCIES

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*This module supports the TB case manager's development of the following core competencies:*

**DOMAIN 1: Assessment & analytical skills - Essential knowledge & clinical skills:**

- Determine risk factors for TB exposure, infection and progression to TB disease
- TB transmission & pathogenesis
- Differences b/w TB disease and TB infection including diagnostic criteria
- TB classification systems

**DOMAIN 3: Education and communication**

- To provide emotional support, the TB NCM should: - provide education, emotional support, encouragement and resources throughout the course of isolation and treatment
- The TB NCM should provide or facilitate HC Provider education when needed

## ATS CLASSIFICATION SYSTEM FOR TUBERCULOSIS

TB Class	Type	Description
<b>0</b>	No TB exposure- <b>Not</b> infected	<ul style="list-style-type: none"> <li>No history of TB exposure and no evidence of <i>M. tuberculosis</i> infection or disease</li> <li>Negative reaction to TST or IGRA</li> </ul>
<b>1</b>	TB exposure- No evidence of infection	<ul style="list-style-type: none"> <li>History of exposure to <i>M. tuberculosis</i></li> <li>Negative reaction to TST or IGRA (test given at least 8-10 weeks after exposure)</li> </ul>
<b>2</b>	TB infection- No TB disease	<ul style="list-style-type: none"> <li>Positive reaction to TST or IGRA</li> <li>Negative bacteriological studies (smear and cultures)</li> <li>No clinical or radiographic evidence of active TB disease</li> </ul>
<b>3</b>	TB disease clinically active	<ul style="list-style-type: none"> <li>Positive culture for <i>M. tuberculosis</i> <b>OR</b></li> <li>Positive reaction to TST or IGRA, plus clinical, bacteriological, or radiographic evidence of current active TB disease</li> </ul>
<b>4</b>	Previous TB disease ( <b>not</b> clinically active)	<ul style="list-style-type: none"> <li>May have past medical history of TB disease</li> <li>Abnormal but stable radiographic findings</li> <li>Positive reaction to the TST or IGRA</li> <li>Negative bacteriologic studies (smear and cultures)</li> <li>No clinical or radiographic evidence of current active TB disease</li> </ul>
<b>5</b>	TB disease suspected	<ul style="list-style-type: none"> <li>Signs and symptoms of active TB disease, but medical evaluation <b>not</b> complete</li> </ul>

From Centers for Disease Control and Prevention. Table 1.8: TB Classification System. In: Chapter 1: transmission and pathogenesis of tuberculosis. *Core Curriculum on Tuberculosis: What the Clinician Should Know*. Atlanta, GA: 2021:21.

## RESOURCES ON TUBERCULOSIS (TB)

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### Centers for Disease Control and Prevention (CDC) Division of Tuberculosis Elimination (DTBE)

Guidelines: <https://www.cdc.gov/tb/publications/guidelines/default.htm>

Online Courses:

*Self-Study Modules on Tuberculosis:*

<https://www.cdc.gov/tb/education/ssmodules/default.htm>

*Core Curriculum on Tuberculosis: What the Clinician Should Know:*

<https://www.cdc.gov/tb/education/corecurr/core-curr-tb.htm>

### Curry International Tuberculosis Center (CITC)

Medical Consultation Warmline: <https://www.currytbcenter.ucsf.edu/consultation>

**877-390-6682** (toll-free)

Warmline inquiries can also be sent to the CITC email address: [currytbcenter@ucsf.edu](mailto:currytbcenter@ucsf.edu)

8:00 AM to 4:30 PM (Pacific Time), Monday through Friday (excluding holidays).

Voicemail is available to record incoming messages 24 hours a day, 7 days a week.

Online Products: <https://www.currytbcenter.ucsf.edu/products>

*(selected highlights only—check the web page for the full list)*

- *Tuberculosis Infection Control: A Practical Manual for Preventing TB (currently undergoing revision)*

Online Courses & Presentations: <https://www.currytbcenter.ucsf.edu/trainings>

*(selected highlights only—check the web page for the full list)*

- *Practical Solutions for TB Infection Control: Infectiousness and Isolation*
- *Tuberculosis Radiology Resource Page*

Archived Webinars: <https://www.currytbcenter.ucsf.edu/trainings/webinar-archive>

Classroom Trainings: <https://www.currytbcenter.ucsf.edu/trainings>

## **National Tuberculosis Controllers Association (NTCA)**

Tuberculosis Nurse Case Management: Core Competencies  
<http://www.tbcontrollers.org/resources/core-competencies/tb-nurse-case-manager/>

## **California Tuberculosis Controllers Association (CTCA)**

California Department of Public Health/CTCA Joint Guidelines:  
<https://ctca.org/guidelines/cdph-ctca-joint-guidelines/>

CTCA Directory: <https://ctca.org/wp-content/uploads/CTCA-Directory.pdf>

CTCA Peer Support: <https://ctca.org/peersupport/>

WeAreTB: <https://www.wearetb.com/>

Peer Support Navigator, Jackie Cuen ([postcard](#)), asks Dr. Catanzaro about TB:  
<https://ctca.org/peersupport/interview-with-dr-cantanzaro-2021/>