

# LTBI CASE STUDIES

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From the slide set – CDC : Targeted Tuberculosis (TB) Testing and Treatment of Latent TB Infection and CDC self study modules

# CASE STUDY 1

A 45-year-old U.S. born woman is referred to the health department by her private physician because she was found to have latent TB infection as part of an employee testing program.

She has a high BMI and high blood pressure. Upon further questioning, she reports that she used IV drugs in the past and has never been tested for HIV infection.



# CASE STUDY 1 - QUESTION

Chat

1. What conditions does this woman have that increase the risk that she will develop TB disease?





# CASE STUDY 2

47-year-old Hispanic male, moved to the U.S. from Bolivia 4 years ago. He received a tuberculin skin test (TST) due to recent contact to an infectious pan-sensitive TB case. TST result = 5mm induration. He feels well and has no complaints.

3 months later, he is retested and TST now = 23 mm induration. He remains without symptoms of TB disease and a chest X-ray is obtained which is within normal limits.



# CASE STUDY 2 - QUESTIONS

Poll!

1. What are this patient's risk factors for TB infection or disease?

2. What would you have recommended for the management of this patient based on his initial test result?

Chat



# CASE STUDY 2 - QUESTIONS

Chat

3. What are appropriate treatment regimen options for this patient?

Poll!

4. What steps should you as the case manager take to prepare this patient for treatment?



# CASE STUDY 3

- Patient History
- 24-year-old female born in the Philippines
- Moved to U.S. from Philippines > 5 yrs ago
- Plans to work in a correctional facility
- TST result negative (0 mm) 1 year ago
- TST for pre-employment physical = 26 mm
- Chest X-ray is normal
- No symptoms of TB disease
- No known contact with a TB patient



# CASE STUDY 3 - QUESTION

Poll!

1. What are this patient's risk factors for TB infection or disease?





# CASE STUDY 3 - QUESTIONS

Chat

2. What are appropriate treatment regimen options for this patient?

Poll!

3. What would be some clinical considerations prior to starting treatment?





**CDC : Latent TB Infection info:**

<https://www.cdc.gov/tb/topic/treatment/decideltbi.htm>

**NTCA: Testing and Treatment of Latent Tuberculosis Infection in the United States: Clinical Recommendations (online update coming soon)**

<http://www.tbcontrollers.org/resources/tb-infection/clinical-recommendations/#.YKKQPahKhE>

**Centers of Excellence:**

[Curry International Tuberculosis Center \(CITC\)](#)

[Global Tuberculosis Institute at Rutgers, The State University of New Jersey \(GTBI\)](#)

[Mayo Clinic Center for Tuberculosis \(MCCT\)](#)

[Southeastern National Tuberculosis Center \(SNTC\)](#)

**BCG Atlas**

<http://www.bcgatlas.org/>

**TST/IGRA online interpreter site**

<http://tstin3d.com/>

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