

LTBI CASE STUDIES

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 is overweight, with high blood pressure. Upon further questioning, she reports that she was an IV drug user in the past and has never been tested for HIV infection.



CASE STUDY 1 - QUESTION

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 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

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?



CASE STUDY 2 - QUESTIONS

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

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



CASE STUDY 3 - QUESTIONS

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

<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 \(SNTC\)](#)

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