Diagnosis of Tuberculosis in Adults and Children

Perform either an Interferon-Gamma Release Assay (IGRA) or a Tuberculin Skin Test (TST)

TB Test Selection
Interferon-γ release assay (IGRA)
Perform with individuals 5 years or older who meet the following criteria:
1. Are likely to be infected with \( Mtb \)
2. Have a low or indeterminate risk of disease progression
3. It has been decided that testing for LTBI is warranted
4. Either have a history or BCG vaccination OR unlikely to return to have their TST read

*A TST is an acceptable alternative in situations where an IGRA is not available, too costly, or too burdensome*

Tuberculin Skin Test (TST)
Perform in healthy children <5 years of age whom:
1. It has been decided that diagnostic testing for LTBI is warranted

TB test is **positive**
- Obtain chest radiograph
  - Individuals >5 years of age – PA
  - Individuals <5 years of Age – PA and LAT
- Radiograph **abnormal**
  - Collect three sputa samples:
    - Request **AFB smear, AFB culture, and nucleic acid amplification (NAAT) testing**
  - Sputa **culture positive** for tuberculosis
  - Report to Local Health Department

TB test is **negative** and individual is asymptomatic
- Radiograph **normal** and individual is asymptomatic
  - Treat for LTBI

No other screening needed

Sputa **culture negative** for tuberculosis
- Treat for LTBI

Collect three sputa samples
- Request **AFB smear, AFB culture, and nucleic acid amplification (NAAT) testing**
- Sputa **culture positive** for tuberculosis
- Report to Local Health Department

02/2018 KD