

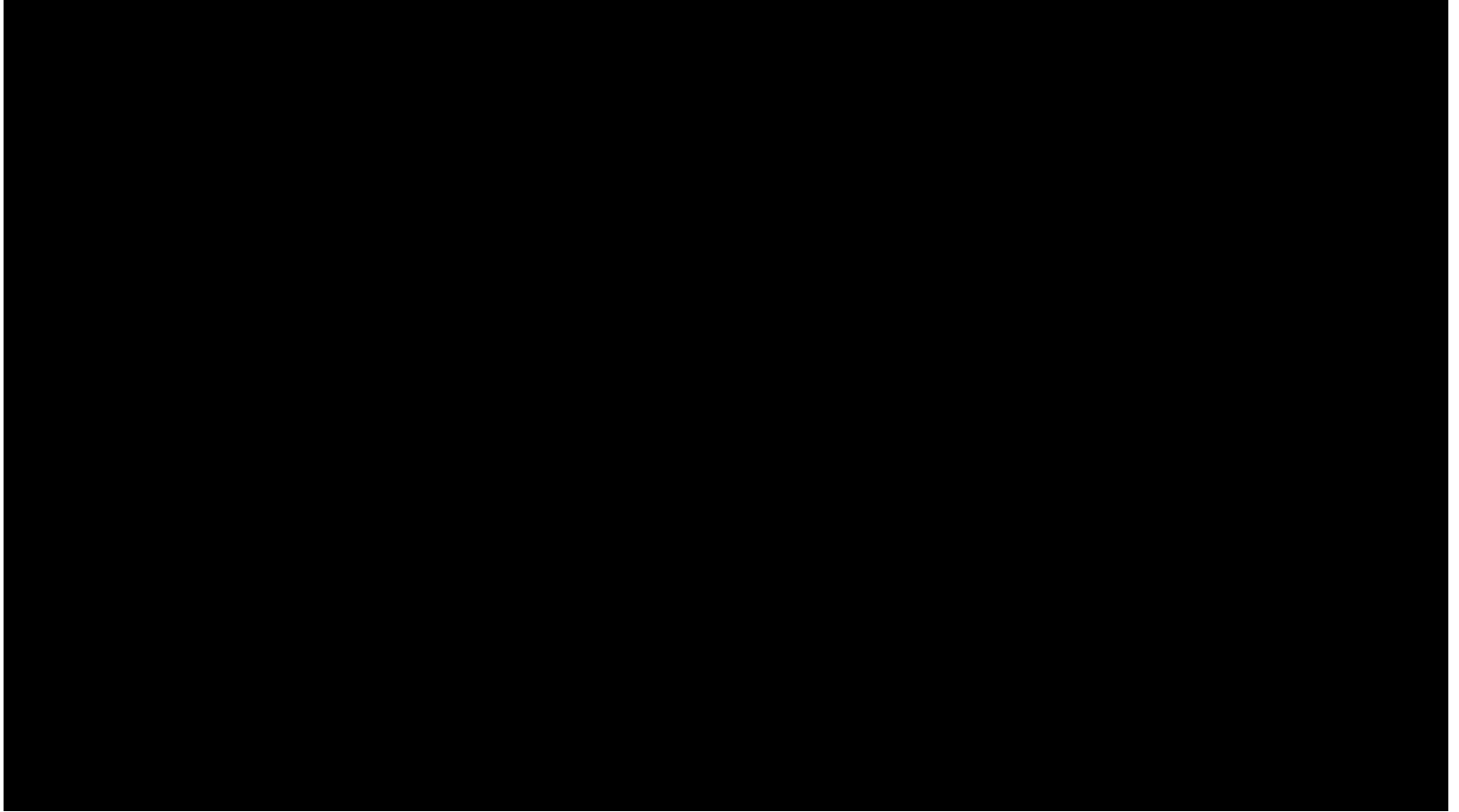
Updated Guidelines for TB Screening & Testing of Healthcare Personnel

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Definitions

- Healthcare Personnel (HCP)
 - Replaces Healthcare Worker (HCW) to be consistent with current HHS and CDC preferred language
 - Definition unchanged from 2005
- TB screening
 - Broad process that includes a risk assessment, symptom evaluation, a test for LTBI (either a TST or IGRA), and additional work-up for TB disease as needed
- TB Testing
 - IGRA or TST

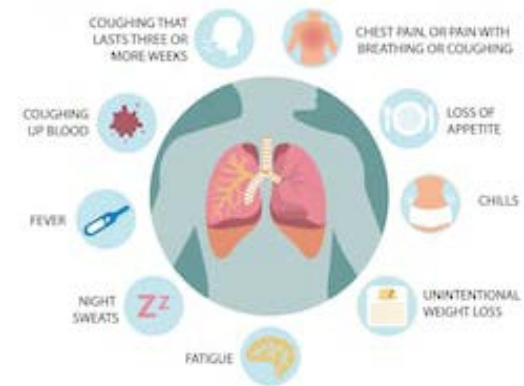
New Hires:

Baseline TB Test

2-step TST or IGRA



Symptom Screen



TB Risk Assessment:

- Birth, travel, or residence in a country with elevated TB rate for at least 1 month
- Immunosuppression, current or planned
- Close contact with someone who has infectious TB

No Serial TB Testing



Unless:

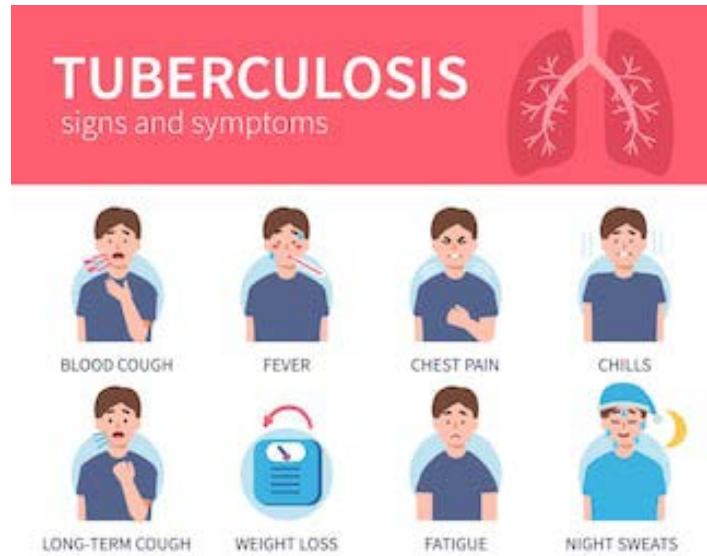
- Known exposure
- Ongoing Transmission

Why??

- Relatively low proportion (3%–5%) of U.S. HCP test positive for *M. tuberculosis* at baseline
- <1% of U.S. HCP previously testing negative convert to a positive test result during serial testing
- Nearly 50% of U.S. HCP previously testing positive revert to a negative test result during serial testing
- Insufficient evidence to assess incidence and transmission of TB disease among HCP
 - No cases of TB disease reported among the ~64,000 U.S. HCP included in the studies reviewed

What if someone tests positive?

Symptom
Screen



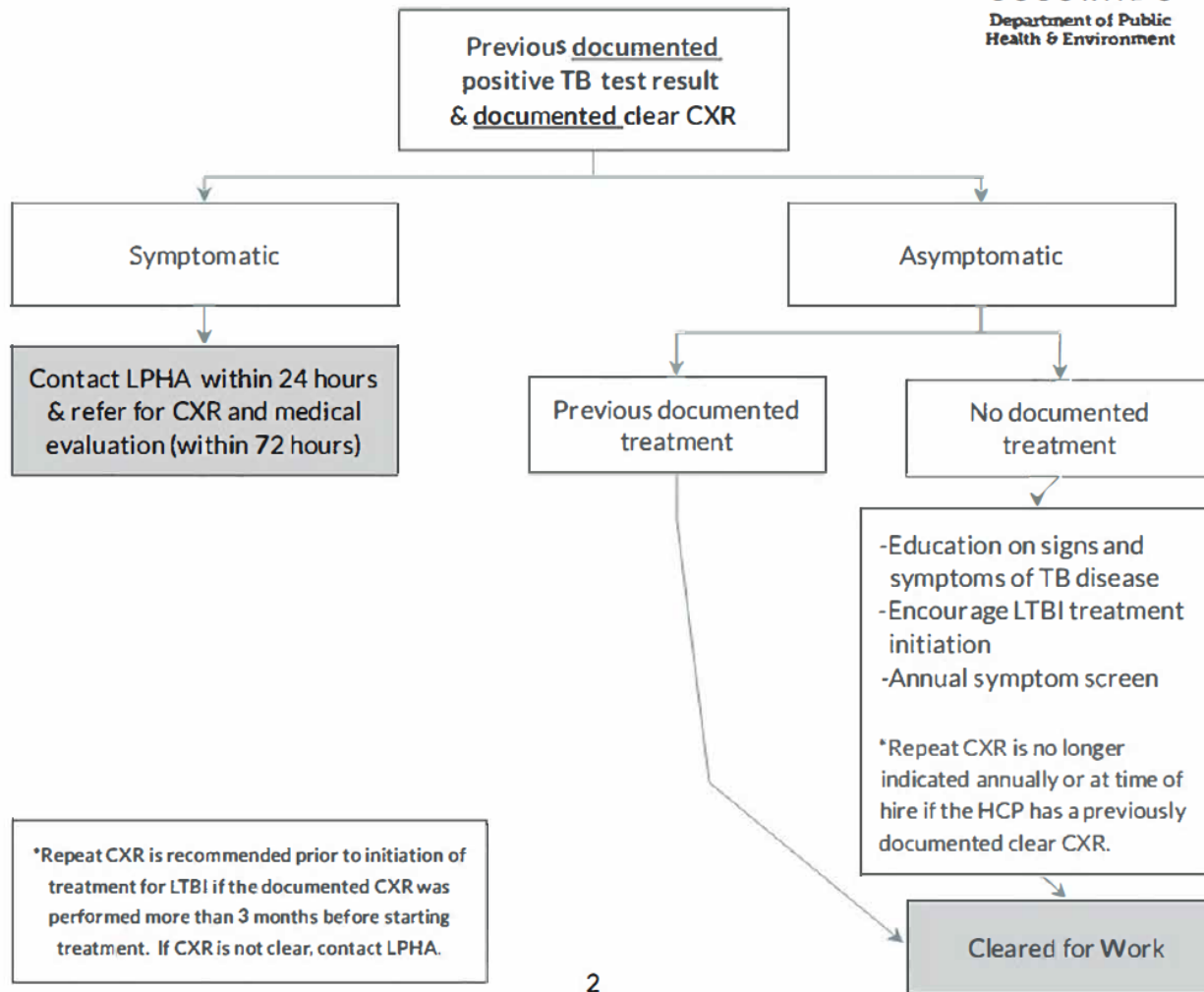
Chest
X-Ray



“Your x-ray showed a broken rib, but we fixed it with Photoshop.”

And what if someone has a previous positive?

Healthcare: New Employee Testing (Prior to Working with Patients)



Treatment

Rifampin:

4 Months
120 doses

Treatment for latent TB infection (LTBI) is strongly encouraged for health care personnel diagnosed with LTBI.

Shorter treatment regimens should be used.



3HP:

3 Months
12 weekly doses
of Isoniazid and
Rifapentine
(Priftin)

Annually:

- **Everyone:**
 - Education
 - TB Risk Factors
 - Signs and Symptoms of TB
 - Infection Control Policies & Procedures
- **Individuals with untreated TB infection:**
 - Symptom screen

In Summary:

Category	2005 Recommendation	2019 Recommendation
Baseline (preplacement) screening and testing	TB screening of all HCP, including a symptom evaluation and test (IGRA or TST) for those without documented prior TB disease or LTBI.	TB screening of all HCP, including a symptom evaluation and test (IGRA or TST) for those without documented prior TB disease or LTBI (unchanged); individual TB risk assessment (new).
Postexposure screening and testing	Symptom evaluation for all HCP when an exposure is recognized. For HCP with a baseline negative TB test and no prior TB disease or LTBI, perform a test (IGRA or TST) when the exposure is identified. If that test is negative, do another test 8–10 weeks after the last exposure.	Symptom evaluation for all HCP when an exposure is recognized. For HCP with a baseline negative TB test and no prior TB disease or LTBI, perform a test (IGRA or TST) when the exposure is identified. If that test is negative, do another test 8–10 weeks after the last exposure (unchanged).
Serial screening and testing for HCP without LTBI	According to health care facility and setting risk assessment. Not recommended for HCP working in low-risk health care settings. Recommended for HCP working in medium-risk health care settings and settings with potential ongoing transmission.	Not routinely recommended (new); can consider for selected HCP groups (unchanged); recommend annual TB education for all HCP (unchanged), including information about TB exposure risks for all HCP (new emphasis).
Evaluation and treatment of positive test results	Referral to determine whether LTBI treatment is indicated.	Treatment is encouraged for all HCP with untreated LTBI, unless medically contraindicated (new).

Resources

- CDPHE TB Program Website:
<https://www.colorado.gov/pacific/cdphe/tb-health-personnel-screening>
 - Letter
 - Algorithm
 - Additional Documents
- CDC Website for TB Screening and Testing of Health Care Personnel:
<https://www.cdc.gov/tb/topic/testing/healthcareworkers.htm>

Questions?



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