

Computer's Association Issue


TUBERCULOSIS

TESTING + TREATMENT

OF U.S. HEALTH CARE PERSONNEL

FOR TUBERCULOSIS (TB) SCREENING, TESTING, AND TREATMENT

for health care personnel in the United States.




What are the updated recommendations?

- Before starting a new job in a health care setting, all workers and volunteers should receive
- An annual TB test is not recommended unless there is a
- Treatment for latent TB infection (LTBI) is strongly encouraged for health care personnel diagnosed

CDC TB Update

EMPLOYEE SCREENING, TESTING, TREATMENT

1




Disclaimer

Karen Gregory RN is an employee of Total Medical Compliance.

Karen Gregory is a Hu-Friedy Key Opinion Leader, a consultant for SciCan and serves on the OSAP Board of Directors.

2



OBJECTIVES

- Explain the process for new hire TB evaluation
- Discuss management of employees diagnosed with latent TB

3

Slide 4 features two circular icons at the top: a blue circle with a white bar chart and a teal circle with a white person icon and a stethoscope. Below the bar chart icon, the text reads "NUMBER OF TUBERCULOSIS (TB) CASES IN THE UNITED STATES CONTINUES TO DECLINE". Below the person icon, the text reads "INCIDENCE OF TB AMONG HEALTHCARE PERSONNEL DUE TO OCCUPATIONAL EXPOSURE IS LOW". A blue horizontal bar at the bottom of the slide contains the text "Why the Change?" in white.

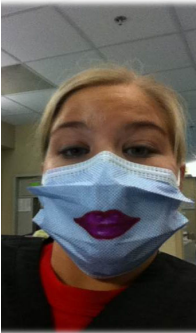
4

Slide 5 is titled "TB Symptoms" and lists five symptoms: "Cough that lasts 3 weeks or longer", "Productive cough (bloody), chills, fever", "Weakness or fatigue", "Decreased appetite, weight loss", and "Night sweats". Below the list is a graphic with the word "TUBERCULOSIS" in large purple letters, a stethoscope icon, and the text "TESTING + TREATMENT" and "OF U.S. HEALTH CARE PERSONNEL".

5

Slide 6 is titled "At Risk?" and features two light blue rounded rectangular boxes. The first box contains the text "Persons who have been recently infected with TB bacteria". The second box contains the text "Persons with medical conditions that weaken the immune system".

6



Transmission


- Person with TB disease of the lungs or throat coughs, sneezes, speaks, or sings
- Germs stay in the air for several hours
- Breathe in the air containing these germs

7

Latent TB

- Not symptomatic, or contagious
- Does not feel ill
- Positive TB skin test or positive blood test
- May develop TB disease if not treated
- Many people never develop TB disease
 - inactive for a lifetime without causing disease
- People with weak immune system are at risk for progression to TB disease

8



TB Infection Control Plan ensures:

- ❖ Detection
- ❖ Protection
- ❖ Treatment

9

TB Infection Control Plan

- Assigning oversight for TB infection control
- Conducting a TB risk assessment
- Developing and implementing a written plan
- Availability of recommended laboratory testing and resulting
- Effective work practices to manage suspect patients with TB disease

9/12/2019

10




TB Infection Control Plan

- Cleaning, sterilization, or disinfection of equipment (scopes)
- Educating, training, and counseling health care personnel, patients, and visitors
- Screening, testing, and evaluating at risk personnel
- Using Cover Your Cough posters
- Coordinating efforts between health departments and healthcare providers

11

New Guidance

CDC, National Tuberculosis Controllers Association (NTCA)



-  TB risk assessment
-  Symptom screen
-  TB blood or skin test for healthcare personnel upon hire or during the preplacement process

12

Baseline Assessment

**Health Care Personnel (HCP)
Baseline Individual TB Risk Assessment**


HCP should be considered at increased risk for TB if any of the following statements are marked "Yes":

	Temporary or permanent residence of ≥1 month in a country with a high TB rate <small>Any country other than the United States, Canada, Australia, New Zealand, and those in Northern Europe or Western Europe</small>	YES <input type="checkbox"/> NO <input type="checkbox"/>
OR		
	Current or planned immunosuppression, <small>including human immunodeficiency virus (HIV) infection, organ transplant recipient, treatment with a TNF-alpha antagonist (e.g., infliximab, etanercept, or other), chronic steroids (equivalent of prednisone ≥15 mg/day for ≥1 month) or</small>	YES <input type="checkbox"/> NO <input type="checkbox"/>

13

Symptom Screening

- Cough that lasts 3 weeks or longer
- Chest pain
- Bloody sputum
- Weakness or fatigue
- No appetite, weight loss
- Fever, chills
- Night sweats



14


Two Step Skin Test

Place test, read 48 – 72 hours later

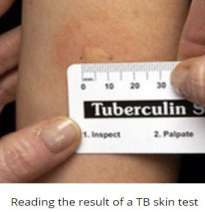
Positive skin test: Person's body was infected with TB bacteria and additional tests are needed

Negative skin test: This means the person's body did not react to the test

If negative, repeat the skin test 1 – 3 weeks later

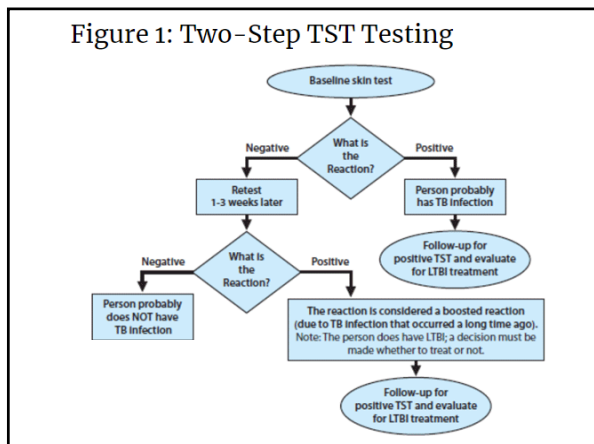


Administering the TB skin test

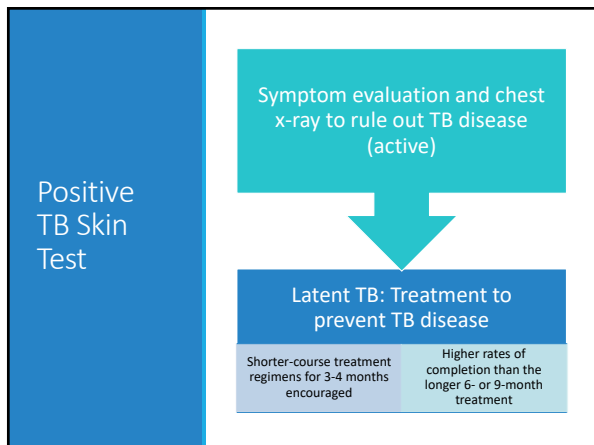


Reading the result of a TB skin test

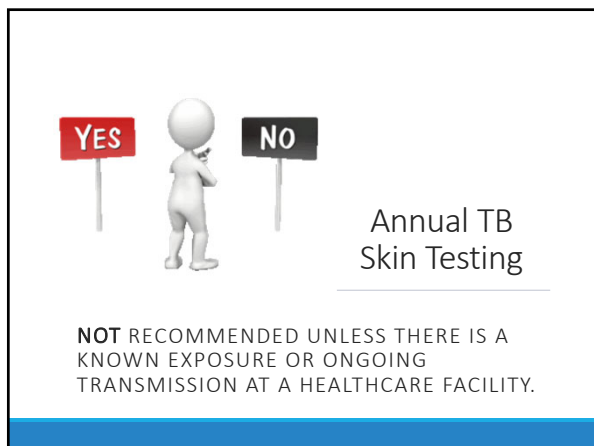
15



16



17



18

SCREENED ANNUALLY FOR SYMPTOMS OF TB DISEASE

Untreated Latent TB

19

Group	Recommendation
Contacts to infectious tuberculosis	Screen with IGRA if available These groups take precedence for available tuberculin
Persons from medium/high incidence countries Persons suspected of TB disease	IGRA strongly preferred These groups take second priority for a tuberculin
Persons being screened annually as part of an employee infection control program	Defer screening until tuberculin becomes available
Persons for whom screening is required by NC regulations: <ul style="list-style-type: none"> • Staff with direct inmate contact upon employment • Inmates in the custody of the Department of Corrections (both testing upon incarceration and yearly thereafter) • Staff of licensed nursing care homes upon employment • Residents upon admission to licensed nursing homes or adult care homes • Staff in adult day care centers providing care to persons with HIV/AIDS upon employment • Persons with HIV/AIDS 	Use an IGRA if resources are available Otherwise defer screening until tuberculin becomes available
Low-risk persons being tested for administrative purposes	Do not screen

Tuberculin Shortage

20

Previous Positive Skin Test




Baseline individual TB risk assessment

TB symptom screen upon hire (i.e., preplacement)

A repeat TB test (e.g., TB blood test or a TB skin test) is not required

21

Workplace TB Exposure Testing

-  TB Symptom Screen
-  TB Blood Test or Skin Test
-  Retested 8 -10 weeks later with the same testing method

22

Websites

State TB Control Offices
<https://www.cdc.gov/tb/links/tboffices.htm>

CDC Resources – Healthcare Providers
<https://www.cdc.gov/tb/topic/infectioncontrol/default.htm>

23

Thank you!

Karen Gregory, RN
Director of Compliance and Education
www.totalmedicalcompliance.com
Karen@totalmedicalcompliance.com
888.862.6742

24