

TB Contact Investigation Overview

**CAN
YOU IMAGINE
A WORLD
WITHOUT TB?
WE CAN.**

Stop TB Partnership, stoptb.org

Carla Chee, MHS
Program Manager
TB Control Program
ADHS



Health and Wellness for all Arizonans

azdhs.gov



Objectives

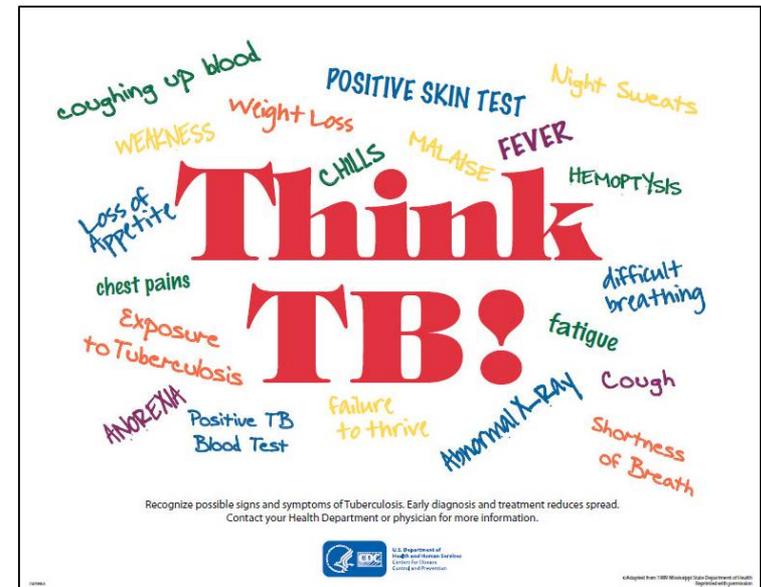
- Identify goals of a TB contact investigation
- Identify when to initiate and expand a TB contact investigation
- Know the resources available in AZ for TB contact investigations

Contact Investigations

- On average, 10 contacts are identified for each person with infectious TB in the U.S
- 20%–30% of all contacts have LTBI
- 1% of contacts have TB disease
- Of contacts who will ultimately have TB disease, approximately one-half develop disease in the first year after exposure

Goals for Contact Investigations

- Interrupt further transmission
 - Identify additional cases
 - Identify LTBI
- Identify settings with high risk and apply effective infection control measures



Role of the local health department (LHD)

- Health department conducts all local CIs

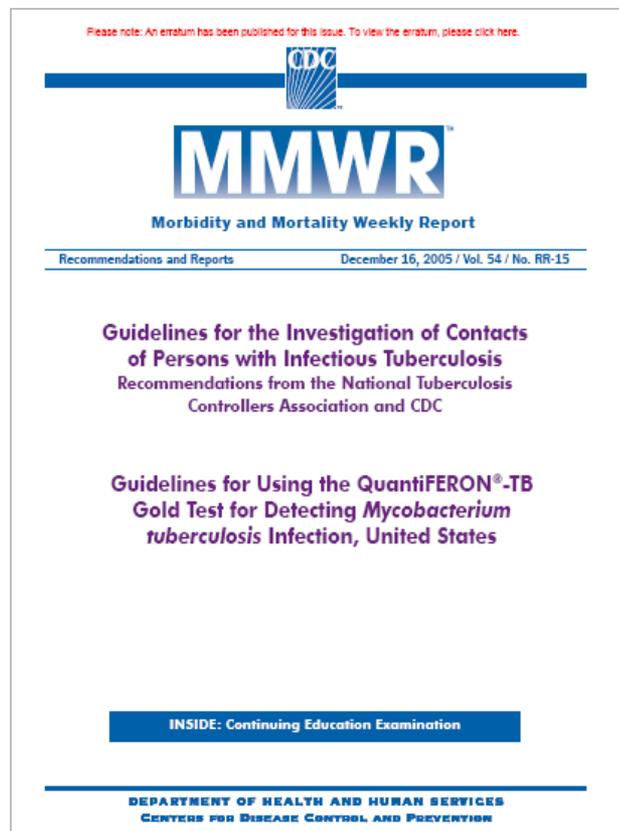
OR

- Ensure CIs conducted by other organizations/facility are done according to CDC guidelines

When to Begin a CI

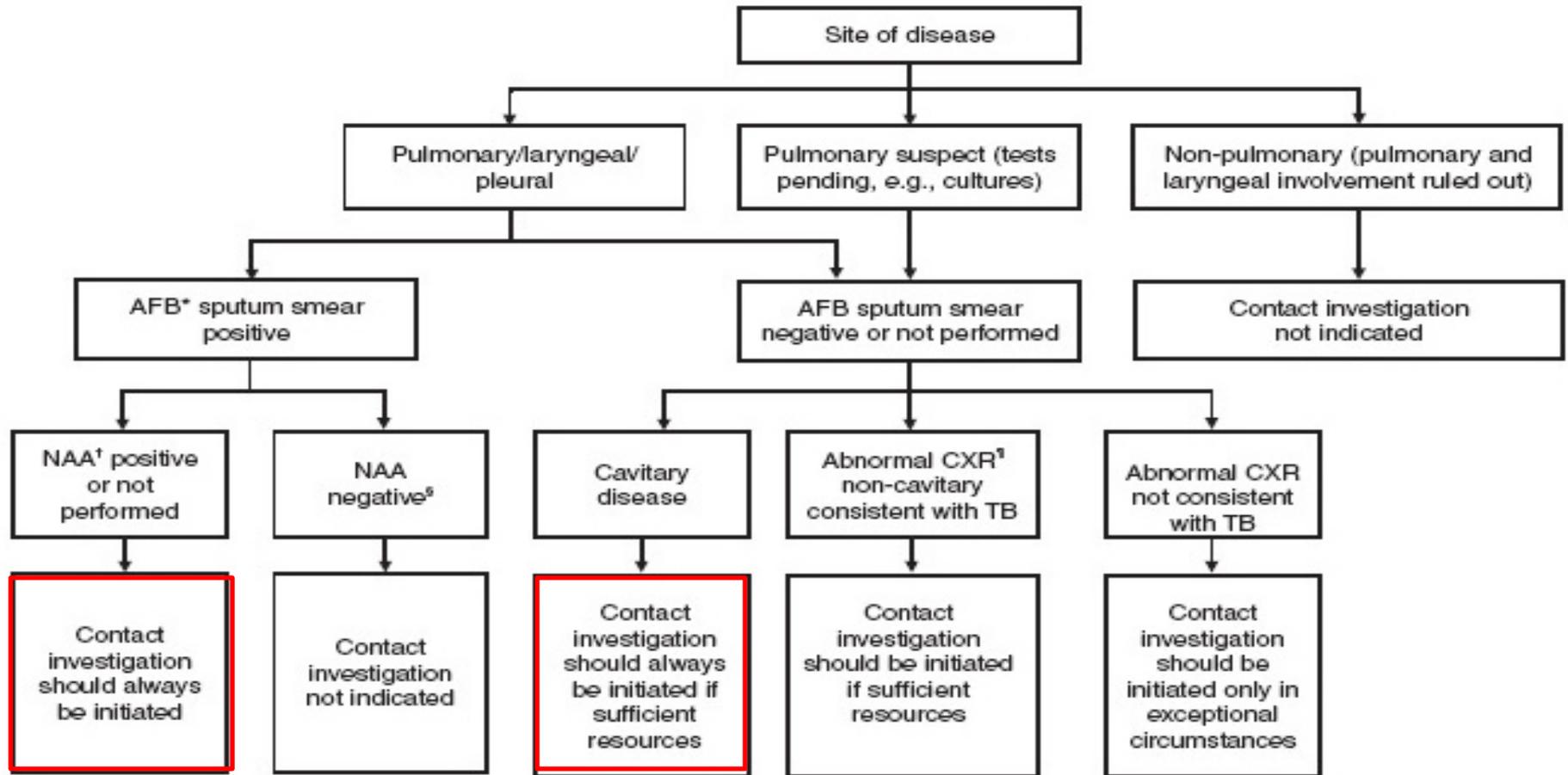
- NOT ALL ACTIVE TB CASES REQUIRE A CI
- Must decide which cases to investigate
- Decision depends on *several factors* which indicate likelihood of transmission
- Once begun, assign CIs a high priority

About the MMWR for Contact Investigation



- MMWR on December 16, 2005
- QuantiFERON® -TB Gold Test guidelines in same issue

Decision to Initiate Investigation



*Acid-fast bacilli

†Nucleic acid assay

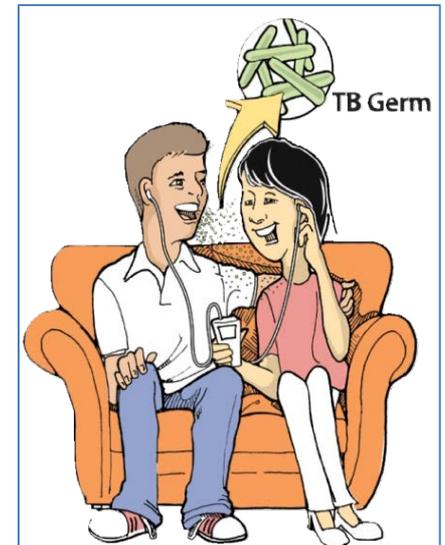
§Approved indication for NAA

‡Chest radiograph

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Factors for Assigning Contact Priorities

- Characteristics of the index patient
- Characteristics of contacts
 - Age
 - Immune status
 - Other medical conditions
- Exposure or likelihood of infection



Which Contacts Should be Given High Priority for TB Assessment?

- Are exhibiting TB symptoms
- Are at risk for developing TB disease if infected with *M. tuberculosis*
 - Less than 5 years of age
 - Weakened immune system (e.g., HIV)
- Had the most exposure (as defined by that investigation)

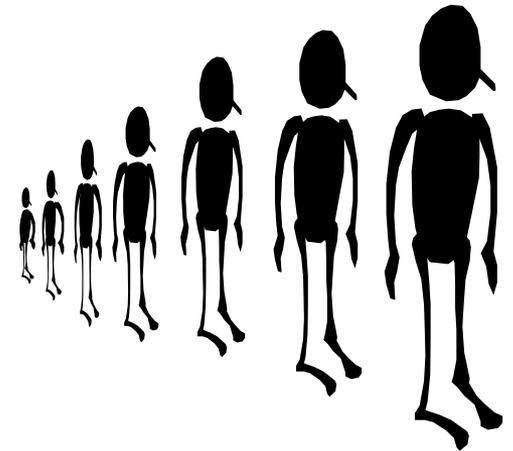
Testing and Treatment of Identified Contacts



- Evaluation
 - Symptoms review
 - Face to face assessment
 - TST or CXR
 - HIV testing recommended
- Treatment
 - LTBI
 - Window Treatment

When Should We Expand an Investigation?

- Unexpected large positivity rate
 - >10% community rate
- Evidence of secondary transmission
- Program objectives achieved



Expand to low priority contacts
8-10 weeks after last exposure.

CDC TB Website

- www.cdc.gov/tb/

CDC - Tuberculosis (TB) - Windows Internet Explorer provided by AZDHS

http://www.cdc.gov/tb/

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CDC CDC - Tuberculosis (TB)

Topics

Basic TB Facts Signs and Symptoms, Transmission, Risk Factors, Exposure...	Treatment Regimens for Latent TB Infection and TB Disease, New 12-dose Regimen...
Testing & Diagnosis Testing Methods, Tuberculin Skin Testing, Blood Tests...	TB & HIV Coinfection Basic Information, Treatment Regimens...
Infection Control & Prevention Infection Control in Health-Care Settings, International Travelers, Respiratory Protection...	Vaccines & Immunizations BCG Vaccine...
TB in Specific Populations African-Americans, International Travelers, Pregnancy, Disaster Responders...	Laboratory Information Drug Susceptibility Testing, Genotyping, Identification...
Drug-Resistant TB Treatment Regimens, Multidrug-Resistant TB (MDR TB), Extensively Drug-Resistant TB (XDR TB)	Research TB Trials Consortium, TB Epidemiologic Studies, Behavioral & Social Science Research...

News & Announcements

- TB Notes 4, 2011
- Recommendations for Use of an Isoniazid-Rifampine Regimen (12-dose)-MMWR
- New Treatment Regimen for Latent TB Infection (Video)
- Treatment for Latent TB Infection

About Us

- Mission Statement
- Organization Chart
- Advisory Groups
- Federal TB Task Force

[More About Us >>](#)

Related Links

- State TB Control Offices
- U.S. Federal Government Websites

[More Related Links >>](#)

Publications & Products

- Fact Sheets
- Guidelines
- Health Care Provider and TB Program Materials
- Patient and General Public Materials
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Education & Training

- TB Education & Training Network
- Continuing Education Activities
- Regional Training and Medical Consultation Centers

[More Education & Training >>](#)

Data & Statistics

Reported TB Cases, United States, 1993 and 2010

Year	Reported TB Cases
1993	25,107
2010	11,182

[Surveillance: Reported TB in the U.S. Trends in TB \(Fact sheet\)](#)

[Interactive TB Data Tool \(OTIS\)](#)

[More Data & Statistics >>](#)

Resources for TB Programs

- Program Evaluation
- National TB Program Objectives

Events

World TB Day

[More Events >>](#)

Contact Us:

Centers for Disease Control and Prevention
Division of Tuberculosis Elimination (DTBE)
1600 Clifton Rd., NE
MS E10
Atlanta, GA 30333

800-CDC-INFO
(800-232-4636)
TTY: (888) 232-6348

New Hours of Operation
8am-8pm ET/Monday-Friday
Closed Holidays

cdcinfo@cdc.gov



TB 101 for Health Care Workers

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Welcome to the TB 101

This course is designed to educate health care workers about basic TB concepts related to TB prevention and control in the United States.

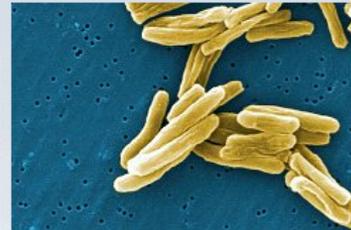
To view a brief overview of the course, including course objectives and continuing education information, please see [additional course information](#).

To begin a lesson, click on one of the lesson topics on the right or click the "NEXT" button. It is recommended that you complete lessons in numerical order.

Acknowledgements

This course was developed in partnership with:

- Curry International Tuberculosis Center
www.currytbcenter.ucsf.edu
- Heartland National Tuberculosis Center
www.heartlandntbc.org
- New Jersey Medical School Global Tuberculosis Institute
www.umdnj.edu/globaltb/home.htm
- Southeastern National Tuberculosis Center
<http://sntc.medicine.ufl.edu>



Lessons 1-3

[Lesson 1: Introduction](#)

[Lesson 2: TB Transmission and the Development of TB Disease](#)

[Lesson 3: Testing for TB Infection](#)



Lessons 4-6

[Lesson 4: Diagnosis of TB Disease](#)

[Lesson 5: Treatment of Latent TB Infection](#)

[Lesson 6: Treatment of TB Disease](#)

[NEXT](#)



Heartland National TB Center

www.heartlandntbc.org



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THE UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT TYLER
HEART *Land*
NATIONAL TB CENTER
A PARTNERSHIP OF UT HEALTH SCIENCE CENTER AND TCID

SEARCH

- any words
- all words
- exact phrase

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TB Controllers
(4/5/2011)

Heartland Regional
TB Focal Points
(6/20/2012)

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You are visitor # :

Welcome!

Heartland National TB Center (HNTC) is one of four [Regional Training and Medical Consultation Centers](#) in the United States funded by the [Centers for Disease Control and Prevention \(CDC\)](#), Division of TB Elimination.

Our Partners

- The University of Texas Health Science Center at Tyler (UTHSCT)
- Texas Center for Infectious Disease

News

- NEW!** The Federal Custody from the Federal Bureau of Prisons, United States Marshals Service and Immigration & Customs Enforcement has released the **TB Case Management for Removable Alien Inmates/Detainees in Federal Custody**. The files are available for download below.
 - PDF Online Version
 - PDF Print Version
- [more >>](#)



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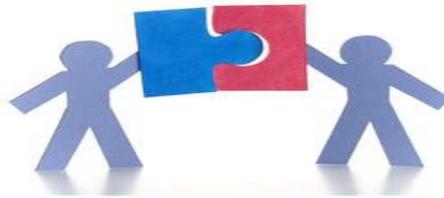
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