

# TB Survey

## Part 1:

These questions are about active TB and Latent TB Infection (LTBI). There may be many questions you do not know the answer to. You are not expected to know the answer to every question.

### Question 1.

Tubercle bacilli in the body is characteristic of:

- Latent TB infection only
- Active TB disease (in the lungs) only
- Both Latent TB infection and active TB disease
- Don't Know/Not sure

### Question 2.

The following are symptoms of active TB disease. (check all that apply)

- Weight gain
- Fever
- Prolonged coughing
- Hemoptysis
- Wheezing
- Night Sweats
- Weight loss
- Don't Know/Not Sure

### Question 3.

Latent TB Infection (LTBI) is the presence of *M. tuberculosis* organisms without clinical symptoms or radiographic evidence of active TB disease.

- True
- False
- Don't Know/Not Sure

### Question 4.

The following countries or areas are NOT considered to be endemic for active TB disease: (check all that apply)

- Hong Kong
- Japan
- Eastern Europe
- Mexico
- China
- Vietnam
- United States
- Western Europe
- Don't Know/Not Sure

**Question 5.**

The number of persons with Latent TB Infection (LTBI) in the United States is estimated to be:

- 30 million
- 5 million
- 1 million
- 15 million
- Don't Know/Not Sure

**Question 6.**

The majority of active TB cases in the United States in 2005 were in the foreign-born.

- True
- False
- Don't Know/Not Sure

**Question 7.**

The active TB incidence rate in the United States in 2005 was 4.9 per 100,000. The rate for San Francisco in 2005 was:

- 8.2
- 16.1
- 10.4
- 27.8
- Don't Know/Not Sure

**Question 8.**

In 2005, persons born outside the United States accounted for what % of reported active TB cases in San Francisco?

- 75%
- 23%
- 53%
- 90%
- Don't Know/Not Sure

**Question 9.**

Estimate the current incidence of active TB (cases per 100,000) in the following countries:

	LOWER <25	INTERMEDIATE 26-99	HIGH 100 +	Don't Know/Not Sure
USA				
Vietnam				
China				
Hong Kong				

**Question 10.**

Persons of Asian ethnicity accounted for what % of active TB cases in San Francisco in 2005?

- 64%
- 45%
- 90%
- 38%
- Don't Know/Not Sure

**Question 11.**

In 2005, which 2 countries of origin accounted for the greatest percentage of foreign born persons diagnosed with active TB in San Francisco? (check 2)

- China
- Cambodia
- Mexico
- Vietnam
- Philippines
- India
- Don't Know/Not sure

**Question 12.**

Incidence of active TB in San Francisco is highest among which age group:

- children <5
- children 6-17
- adults aged 18-49
- adults aged 50-64
- adults aged >65
- Don't Know/Not sure

**Question 13.**

The majority of active TB cases in the foreign born in California are among those who have been in the United States less than 5 years.

- True
- False
- Don't Know/Not Sure

**Question 14.**

A positive TST (PPD) and a negative chest x-ray usually indicates no need for further medical treatment

- True
- False
- Don't Know/Not Sure

**Question 15.**

TST (PPD) results should be recorded as:

- Negative or Positive
- Millimeters of induration
- Negative or Positive and category of risk group
- Both A & B
- Don't know/Not Sure

**Question 16.**

Which of the following factors are considered when classifying a TST (PPD) as positive or negative? (Check all that apply)

- size of induration
- size of erythema (redness)
- risk factors for TB
- gender
- Don't Know/Not Sure

**Question 17.**

For each patient described below, indicate the minimum TST (PPD) result considered positive:

	5 mm	10 mm`	15 mm`	Don't Know/Not Sure
Healthy, 35 yr old, US born				
HIV positive				
Close contact of an active TB patient				
Immigrant from high incidence country				

**Question 18.**

Which type of individuals entering the United States are tested for active TB disease BEFORE THEY ARRIVE IN THE UNITED STATES? (check all that apply)

- Students
- Refugees
- Temporary Workers
- Immigrants
- Tourists
- Asylum Seekers
- Don't Know/Not Sure

**Question 19.**

Individuals who test positive for Latent Tuberculosis Infection (LTBI) during their immigration examination in the United States are required to start treatment.

- True
- False
- Don't Know/Not Sure

**Question 20.**

A history of BCG vaccination needs to be considered when interpreting a TST (PPD).

- True
- False
- Don't Know/Not Sure

**Question 21.**

A TST (PPD) >15mm in a 46 year old Haitian man given BCG in childhood is most likely caused by BCG.

- True
- False
- Don't Know/Not Sure

**Question 22.**

Contraindications for Latent TB Infection (LTBI) treatment include the following: (check all that apply)

- Hepatitis B without active liver disease
- Over age 35
- Unwilling to take treatment
- Diabetic
- BCG vaccinated
- Will not be available for monitoring for full course of treatment
- Don't Know/Not Sure

**Question 23.**

Which of the following conditions are known to increase the risk that Latent TB Infection (LTBI) will progress to active disease?

	Yes	No	Don't Know/Not Sure
high blood pressure			
silicosis			
HIV infection			
smoking			
prednisone use			
diabetes			
renal dialysis			
congestive heart failure			
use of an anti-rheumatic medication (such as Enbrel)			

**Question 24.**

Which drugs increase the risk of progression to active TB disease in a person with Latent TB Infection (LTBI)? (check all that apply)

- Insulin
- Steroids
- Chemotherapy
- Beta-blockers
- Etanercent (Enbrel)
- Don't Know/Not Sure

**Question 25.**

To treat Latent TB Infection (LTBI) in most adults, the preferred regimen for INH is:

- 100 mg qd
- 100 mg qd in renal failure
- 300 mg qu
- 600 mg 2 x week
- 3<sup>rd</sup> and 4<sup>th</sup> answer choices
- Don't Know/Not Sure

**Question 26.**

Which treatment regimens are **NOT** recommended for Latent TB Infection (LTBI)? (check all that apply)

- INH qd for 4 months
- INH qd for 9 months
- INH 2xwk for 9 months
- Rifampin & Pyrazinamide qd for 2 months
- INH 2xwk for 6 months
- Don't Know/Not Sure

**Question 27.**

A clinician needs to order baseline and monthly liver function tests (LFTs) to evaluate for hepatitis while their otherwise healthy patient is taking INH to treat Latent TB Infection (LTBI).

- True
- False
- Don't Know/Not Sure

**Question 28.**

CDC guidelines advise to generally not treat those patients with Latent TB Infection (LTBI) who are over 35.

- True
- False
- Don't Know/Not Sure

**Question 29.**

INH treatment can generally be offered to all age groups for Latent TB Infection (LTBI) treatment.

- True
- False
- Don't Know/Not Sure

**Question 30.**

Frequency of hepatic adverse drug effects of isoniazid (INH):

	rare ----- (~0.01%)	infrequent (~0.1%)	common -- (~1%)	frequent -- (~5%)	Don't Know/Not Sure
liver enzyme elevation					
hepatitis					

**Question 31.**

Guidelines for treating Latent TB Infection (LTBI) in patients with Hepatitis B state: (check all that apply)

- They should be treated for LTBI
- They should not be treated for LTBI.
- They can be treated with careful monitoring
- They can be treated if they do not have active liver disease
- Treatment should stop if liver function tests become elevated
- Baseline liver function tests are not needed.
- Don't know/Not Sure

**Part 2:**

**These questions ask for your opinions.**

**Question 32.**

To what extent do you perceive the factors below as barriers or reasons *against* managing Latent Tuberculosis Infection (LTBI) in your practice?

Choices:

Not a reason-barrier / Minor reason-barrier / Moderate reason-barrier / Significant reason-barrier / Don't know/Not Sure

- CDC/ATS (American Thoracic Society) recommendations too complex and/or confusing
- Not knowledgeable enough about the recommendations
- Do not agree with recommendations
- Recommendations too rigid (not tailored to pt)
- Reimbursement issues
- Concerned about side effects of INH
- Patients resist treatment
- Lack of time/productivity pressures
- Don't perceive my patients at high risk for active TB
- Patient's ability to complete treatment
- Lack of system to track testing and treatment
- BCG vaccine prevents accurate diagnosis
- Don't have staff trained to perform TST (PPD)

**Question 33.**

For the following statements, indicate the extent to which you agree or disagree with the statement.

- The public health system needs to increase awareness about TB in the US among immigrant communities from countries where TB is endemic.

- Reimbursement for treating Latent TB Infection (LTBI) is not a big worry for me.
- I feel confident in managing Latent TB Infection (LTBI).
- Managing Latent TB Infection (LTBI) is the responsibility of the primary care provider or clinic.
- I feel under pressure to maintain high productivity so it is hard to fit Latent TB Infection (LTBI) testing and treatment into my routine.
- My patients generally follow my advice.
- My patients feel any kind of TB diagnosis is a serious stigma.
- I worry about treating Latent TB Infection (LTBI) because of INH's effect on the liver.

**Question 34.**

In your opinion, who should be responsible for managing Latent TB Infection (LTBI) in the foreign-born in the United States? (check all that apply)

- Local public health clinics
- Centers for Disease Control and Prevention
- US Citizen and Immigration Services
- Federally funded community clinics
- Primary Care private practice practitioners
- Don't Know/Not Sure
- Other (Specify)

**Question 35.**

Let us know your agreement or disagreement with the following:

- I prefer CME after hours (such as dinner/lectures) as a way to get updated medical information.
- My patients are not at high risk for active TB.
- My patients don't want to pay for prevention.
- Active TB and Latent TB Infection (LTBI) are public health problems so should be taken care of by the government.
- Relationships with, and services from, the local TB clinic have deteriorated over the last 10 years.
- The type of insurance patients have affects my ability to treat them.
- A blood test for TB infection, requiring no return visit and unaffected by BCG, would improve my ability to test patients.
- My patients don't want to take the time for preventative medicine.

**Question 36.**

Please rate the following factors on how helpful they would be to you in testing for and treating Latent TB Infection (LTBI) in your practice.

Choices: Not helpful/somewhat helpful / Helpful / Very Helpful/ don't Know/Not Sure

- More knowledge about the actual risk for active TB for your patients
- More frequent education about TB
- Better forms and procedures in your practice to facilitate testing
- Designated staff person in your practice to track testing and treatment of Latent TB Infection (LTBI)
- Relationship of trust with patients
- More supportive regulations requiring testing and treatment from the government
- Free PPD solution for your practice
- Free INH for patients
- Specific contact person at the TB clinic to help you manage Latent TB Infection (LTBI)
- Reimbursement and access to a blood test for Latent TB Infection (LTBI) not affected by BCG vaccination
- Improved Latent TB Infection (LTBI) management support from the TB clinic for primary care.
- Proactive communication from the TB clinic about referred patients.
- A formal tracking system to include LTBI management would help increase testing and treatment of latent TB infection (LTBI).

**Question 37.**

I prefer to learn about updated medical information by:

- CME after hours (such as dinners/lectures)
- Online on the web
- Hard copies of written material
- Inservices at the workplace
- CD-ROMS for the computer
- Don't Know/Not sure

**Question 38.**

Please indicate whether you agree or disagree with the following statements:

Choices: Disagree Stongly/ Disagree / Neutral / Agree / Agree Strongly

- Communication from the TB clinic to my practice about patients under their care needs to improve.
- Guidelines for treating Latent TB Infection (LTBI) in the foreign born elderly are unclear.
- I would usually refer patients with symptoms suggesting possible active TB to a

specialist.

- I would usually refer patients needing treatment for Latent TB Infection (LTBI) to a specialist.
- I feel confident in my familiarity and ability to recognize the signs and symptoms of active TB.
- I prefer to do my CME on the web or from a CD-ROM.
- The last few years have seen an erosion of services from the TB Clinic sends the message that TB management is not the priority it once was.

**Question 39.**

Please indicate whether you agree or disagree with the following statements:

Choices: Disagree Stongly / Disagree / Neutral / Agree / Agree Strongly

- My practice is just too busy to worry about Latent TB Infection (LTBI).
- I feel I have a strong relationship of trust with my patients.
- Generally, I don't perform TSTs (PPDs) unless requested to by my patients for employment or school requirements.
- INH treatment for Latent TB Infection (LTBI) is especially worrisome for my older patients.
- I have a favorable opinion of the TB program in San Francisco.

**These questions are about your local TB clinic.**

**Question 40.**

Approximate location of nearest TB Clinic to your practice (neighborhood, intersection or other easily recognizable description):

- Don't Know/Not Sure
- \_\_\_\_\_

**Question 41.**

Name of TB controller for San Francisco:

- Don't Know/Not Sure
- \_\_\_\_\_

Part 4: Questions about yourself and your practice. Some questions will be asking questions you may not know the exact answers to. In these cases, please give your best estimate.

**Question 42.**

Your age: \_\_\_\_\_

**Question 43.**

Gender:

- Male
- Female

**Question 44.**

Country born in: \_\_\_\_\_

**Question 45.**

If immigrated, age at immigration: \_\_\_\_\_

**Question 46.**

Race:

- Black or African-American
- white
- American Indian or Alaskan Native
- Asian
- Native Hawaiian or Pacific Islander
- Other (Specify)

**Question 47.**

If checked Asian or Pacific Islander:

- Asian Indian
- Chinese
- Filipino
- Japanese
- Korean
- Vietnamese
- Native Hawaiian
- Guamanian or Chamorro
- Samoan
- Other (specify)

**Question 48.**

Are you Hispanic?

- Yes
- No

**Question 49.**

If checked Hispanic:

- Mexican
- Puerto Rican
- Cuban
- Other (specify)

**Question 50.**

Job Title:

- MD
- DO
- ARNP
- PA
- RN

- Other (specify)

**Question 51.**

If MD, area of residency:

- Not MD
- Internal Medicine
- Pediatrics
- Family Medicine
- Other (specify)

**Question 52.**

Years in current job title/profession (include residency)

**Question 53.**

Years at current site:

**Question 54.**

**Type of Practice:**

**(note private practice includes practices with service contracts with health plans, PPO, etc.)**

- Private Practice: solo
- Private Practice: Group 2-4 doctors
- Private Practice: Group 5+ doctors
- Community Clinic or Health Center
- Employee of HMO
- Hospital Affiliated clinic
- Other (specify)

**Question 55.**

If MD/NP/PA, estimate the number of patients you usually see in an average 8 hour block:

**Question 56.**

Estimated percentage of time you spend in patient care in an average week:

**Question 57.**

Estimated percentage of your patients who are foreign born (or, for children, whose parents are foreign born):

**Question 58.**

For your foreign born patients, estimated percentage who are (total should add up to 100%):

Vietnamese \_\_\_%

**Question 59.**

Chinese \_\_\_%

**Question 60.**

Filipino \_\_\_%

**Question 61.**

Mexican \_\_\_%

**Question 62.**

Other (specify country of origin and %): \_\_\_\_\_%

**Question 63.**

Other (specify country of origin and %): \_\_\_\_\_%

**Question 64.**

Other (specify country of origin and %): \_\_\_\_\_%

**Question 65.**

Estimate current % of patient panel with Medicaid (DSHS, Medi-Cal, etc.): \_\_\_\_\_%

**Question 66.**

Estimate current % of patient panel with no insurance: \_\_\_\_\_%

**Question 67.**

Estimate number of PPDs placed per month on your patients: \_\_\_\_\_

**Question 68.**

Estimate % of PPDs that are positive: \_\_\_\_\_%

**Question 69.**

Have you had any training or education specifically in TB?

- Yes
- No

**Question 70.**

If yes, type of training (check all that apply):

- Medical, Nursing or other type of professional school
- Provided by local TB clinic or health department
- Continuing Education lecture (CME, Rounds)
- Inservice provided to staff at place of employment
- CDC Core Curriculum on TB
- Residency Training
- Other (Specify)

**Question 71.**

In what country did you attend medical school (medical, nursing, etc.)?

- USA
- Other

**Question 72.**

For MDs, in what country did you do your residency?

- Not MD
- USA
- Other (specify)