

ANNUAL TUBERCULOSIS SURVEY AND RISK ASSESSMENT MUSC STUDENT HEALTH

Tuberculosis is an infectious disease caused by the bacteria *Mycobacterium tuberculosis*. Person-to-person transmission occurs when an individual inhales airborne bacteria expelled by the coughing of a person who is sick with active pulmonary tuberculosis disease. When an individual inhales airborne *Mycobacterium tuberculosis* bacteria, the bacteria initially multiply, but most people with a healthy immune system are able to contain the initial infection by walling off the bacteria in granulomas. People who have effectively contained the initial infection have **LATENT TUBERCULOSIS INFECTION (LTBI)**. People with LTBI are not sick from TB (no TB symptoms), are not contagious to others, and usually have a normal chest X-ray.

However, without treatment, up to 10% of people with LTBI will become sick with **ACTIVE TUBERCULOSIS DISEASE** at some point in their lives. This occurs when the immune system no longer is able to contain the *Mycobacterium tuberculosis* bacteria, and the bacteria “reactivate”. A breakdown of the immune system can occur due to medications that suppress the immune system (such as steroids and medications for managing organ transplantation and autoimmune diseases like rheumatoid arthritis or inflammatory bowel disease). Other reasons for immune system breakdown include aging, HIV, and diabetes. Once TB reactivates, it can spread throughout the lungs (causing pneumonia) and to other parts of the body like the bones or central nervous system – this is active tuberculosis disease. Typical symptoms of active tuberculosis disease are cough, fevers, night sweats, and fatigue. **People with active tuberculosis disease are sick (about 10% die), and can be infectious to other people.**

Because TB is spread through the air, the healthcare system and healthcare personnel have responsibilities for preventing transmission of the bacteria. For you as a healthcare personnel, this means knowing whether you have LTBI, and if you have LTBI, taking a course of preventive antibiotics to help ensure that you do not become sick with active tuberculosis disease and you do not transmit TB to other people.

TUBERCULOSIS SELF-EVALUATION/SURVEY

Have you had any of the following symptoms for more than 3 weeks:

- NO YES Chronic cough for over 3 weeks
- NO YES Coughing up blood or sputum
- NO YES Unexplained shortness of breath
- NO YES Unexplained loss of appetite
- NO YES Weight loss without dieting (over 8-lbs.)
- NO YES Night sweats
- NO YES Persistent low grade fever (> 100.0 F)
- NO YES Chronic pain in chest
- NO YES Severe fatigue for over 3 weeks
- NO YES In the past year, have you been in contact with anyone who is contagious for TB?

I HAVE READ AND UNDERSTAND THE SYMPTOMS OF TUBERCULOSIS. I UNDERSTAND IT IS MY RESPONSIBILITY TO REPORT TO STUDENT HEALTH SERVICES IF ANY SYMPTOMS OCCUR.

Name (Print): _____

Signature: _____

Date: _____

Contact Information (Phone) : _____

ANNUAL TUBERCULOSIS RISK ASSESSMENT

MUSC STUDENT HEALTH

MUSC no longer requires annual surveillance TB testing for **most** health care personnel (including students). Targeted TB testing is still necessary in health care personnel who are at increased risk for TB because of one or more of the following conditions:

Travel (or anticipating travel) to a country with a high TB rate (> 20 TB cases/100,000) - includes any country other than the United States, Canada, Australia, New Zealand, or a country in western or northern Europe – see list of countries endemic for TB below.

- Lived in a country endemic for TB for >= one month or
- Worked in TB environments (hospitals, prisons, or homeless shelters) in one these countries.

Immunosuppression (current or planned) - HIV infection, organ transplant recipient, treated with TNF-alpha antagonist (e.g., infliximab, etanercept, others), steroids (equivalent of prednisone ≥15 mg/day for ≥1 month) or other immunosuppressive medication.

TB Exposure – close contact with someone with an active infection or worked in a healthcare setting where TB transmission has been reported (including Emergency Departments, Pulmonary Service, Respiratory Therapy, etc.).

Report exposures to active tuberculosis immediately to Student Health.

If you fall into any of the risk categories above, please indicate below:

Tuberculosis Testing Needed (Please go to Student Health for TB Testing)

- In the past 12 months I have been exposed to active tuberculosis or worked in a facility reporting ongoing TB transmission. (Baseline TB testing at time of exposure and 8-10 weeks later, using the same testing method).
- In the past 12 months I have lived in a country endemic for TB for >= one month or worked in a high risk TB environment (hospitals, prisons, or homeless shelters) in one these countries. (Baseline TB testing prior to travel, and repeat testing 8-10 weeks after return, using the same testing method).
- I have an immunosuppressed condition (HIV, Organ Transplant) and/or in the past 12 months have taken medications that suppress my immune system (annual TB Testing).

Tuberculosis Testing Not Indicated

- In the past 12 months, I **have not** had any known exposures to tuberculosis or visited any countries endemic for TB.
- I **do not** have any immunosuppressed condition (HIV, Organ Transplant) and in the past 12 months have not taken any medications that suppress my immune system.

STUDENT: _____ PRINT NAME _____ SIGNATURE _____ DATE _____

High Burden TB Countries 2019 (TB incidence rates of ≥ 20/100,000) *WHO Global TB Report

Afghanistan	Burkina Faso	Fiji	Kiribati	Mongolia	Portugal	Tanzania
Albania	Burundi	French Polynesia	Kuwait	Morocco	Qatar	Tajikistan
Algeria	Cabo Verde	Gabon	Korea (North/South)	Mozambique	Romania	Thailand
Angola	Cambodia	Gambia	Kuwait	Myanmar (Burma)	Russia	Timor-Leste
Anguilla	Cameroon	Georgia	Kyrgyzstan	Namibia	Rwanda	Togo
Argentina	Central African Republic	Ghana	Lao People's DR	Nauru	Sao Tome and	Tokelau
Armenia	Chad	Greenland	Latvia	Nepal	Principe	Tunisia
Azerbaijan	China	Guam	Lesotho	Nicaragua	Senegal	Turkmenistan
Bahamas	Colombia	Guatemala	Liberia	Niger	Serbia	Tuvalu
Bangladesh	Comoros	Guinea	Libya	Nigeria	Sierra Leone	Uganda
Belarus	Congo	Guinea-Bissau	Lithuania	Niue	Singapore	Ukraine
Belize	Congo (Democratic Republic)	Guyana	Madagascar	Northern Mariana	Solomon	Uruguay
Benin	Cote d'Ivoire	Haiti	Malawi	Islands	Islands	Uzbekistan
Bhutan	Djibouti	Honduras	Malaysia	Pakistan	Somalia	Vanuatu
Bolivia	Dominican Republic	India	Maldives	Palau	South Africa	Venezuela
Bosnia/Herzegovina	Ecuador	Indonesia	Mali	Panama	Sri Lanka	Viet Nam
Botswana	El Salvador	Iran	Marshall Islands	Papua New Guinea	Sudan	Yemen
Brazil	Equatorial Guinea	Iraq	Mauritania	Paraguay	Suriname	Zambia
Brunei Darussalam	Eritrea	Kazakhstan	Micronesia	Peru	Swaziland	Zimbabwe
Bulgaria	Ethiopia	Kenya	Moldova	Philippines	Syria	