

# TOOL FOR INSTITUTIONAL USE-ATTACHMENT 1

## Part I: Tuberculosis (TB) Screening Questionnaire (to be completed by incoming students)

Please answer the following questions (1 through 6):

1. Have you ever had close contact with persons known or suspected to have active TB disease?  Yes  No
2. Were you born in one of the countries or territories listed below that have a high incidence of active TB disease? (If yes, please CIRCLE the country below)  Yes  No

Afghanistan	Democratic Republic of the	Lithuania	Rwanda
Algeria	Congo	Madagascar	Sao Tome and Principe
Angola	Djibouti	Malawi	Senegal
Argentina	Dominican Republic	Malaysia	Sierra Leone
Armenia	Ecuador	Maldives	Singapore
Azerbaijan	El Salvador	Mali	Solomon Islands
Bangladesh	Equatorial Guinea	Marshall Islands	Somalia
Belarus	Eritrea	Mauritania	South Africa
Belize	Eswatini	Mexico	South Sudan
Benin	Ethiopia	Micronesia	Sri Lanka
Bhutan	Fiji	Mongolia	Sudan
Bolivia (Plurinational State of)	Gabon	Morocco	Suriname
Bosnia and Herzegovina	Gambia	Mozambique	Tajikistan
Botswana	Georgia	Myanmar	Thailand
Brazil	Ghana	Namibia	Timor-Leste
Brunei Darussalam	Guatemala	Nauru	Togo
Burkina Faso	Guinea	Nepal	Tunisia
Burundi	Guinea-Bissau	Nicaragua	Turkmenistan
Cabo Verde	Guyana	Niger	Tuvalu
Cambodia	Haiti	Nigeria	Uganda
Cameroon	Honduras	Niue	Ukraine
Central African Republic	India	Pakistan	United Republic of Tanzania
Chad	Indonesia	Palau	Uruguay
China	Iraq	Panama	Uzbekistan
China, Hong Kong SAR	Kazakhstan	Papua New Guinea	Vanuatu
China, Macao SAR	Kenya	Paraguay	Venezuela (Bolivarian
Colombia	Kiribati	Peru	Republic of)
Comoros	Kyrgyzstan	Philippines	Vietnam
Congo	Lao People's Democratic	Qatar	Yemen
Côte d'Ivoire	Republic	Republic of Korea	Zambia
Democratic People's	Lesotho	Republic of Moldova	Zimbabwe
Republic of Korea	Liberia	Romania	
	Libya	Russian Federation	

Source: World Health Organization Global Health Observatory, Tuberculosis Incidence. Countries with average incidence rates of  $\geq 20$  cases per 100,000 population.

3. Have you resided in or traveled to one or more of the countries or territories listed above for a period of one to three months or more? (If yes, CHECK the countries or territories above)  Yes  No
4. Have you been a resident and/or employee of high-risk congregate settings (e.g., correctional facilities, long-term care facilities, and homeless shelters)?  Yes  No
5. Have you been a volunteer or health care worker who served clients who are at increased risk for active TB disease?  Yes  No
6. Have you ever been a member of any of the following groups that may have an increased incidence of latent M. tuberculosis infection or active TB disease: medically underserved, low-income, or abusing drugs or alcohol?  Yes  No

If the answer is YES to any of the above questions, Ramapo College requires that you receive TB testing prior to the start of your first enrolled term. \*The significance of the travel exposure should be discussed with a health care provider and evaluated.

If the answer to all of the above questions is NO, no further testing or further action is required. You may stop here.

Student's printed name and signature (required): \_\_\_\_\_ Date: \_\_\_\_\_

**Part II: Clinical Assessment to be completed by Health Care Provider**

Clinicians should review and verify the information in Part I. Persons who answered NO to all questions in Part I do not need further testing. Persons who answered YES to any of the questions in Part I are candidates for either the Mantoux tuberculin skin test (TST) or the Interferon Gamma Release Assay (IGRA), unless a previous positive test has been documented.

- History of a positive TB skin test or IGRA blood test? (If yes, document below.)  Yes  No
- History of BCG vaccination? (If yes, consider IGRA if possible.)  Yes  No

**1. TB SYMPTOM CHECK**

Does the student have signs or symptoms of active pulmonary tuberculosis disease?  Yes  No  
If No, proceed to 2 or 3.

**If Yes, check below:**

- Cough (especially if lasting for 3 weeks or longer) with or without sputum production
- Coughing up blood (hemoptysis)
- Chest pain
- Loss of appetite
- Unexplained weight loss
- Night sweats
- Fever

Proceed with additional evaluation to exclude active tuberculosis disease, including tuberculin skin testing, chest X-ray, and sputum evaluation as indicated.

**2. TUBERCULIN SKIN TEST (TST): MUST BE PERFORMED IN THE UNITED STATES (IF CURRENTLY LIVING OUTSIDE OF THE UNITED STATES, GO TO #3).**

(TST result should be recorded as actual millimeters [mm] of induration, transverse diameter; if no induration, write "0." The TST interpretation should be based on mm of induration as well as risk factors.)\*\*

Date Given: \_\_\_/\_\_\_/\_\_\_

Date Read: \_\_\_/\_\_\_/\_\_\_

Result: \_\_\_\_\_mm of induration

\*\*Interpretation: positive\_\_\_\_ negative\_\_\_\_

**\*\*INTERPRETATION GUIDELINES**

**>5 mm is positive:**

- Recent close contacts of an individual with infectious TB
- Persons with fibrotic changes on a prior chest X-ray, consistent with past TB disease
- Organ transplant recipients and other immunosuppressed persons (including receiving equivalent of >15mg/d of prednisone for >1 month)
- HIV-infected persons

**> 10 mm is positive:**

- Recent arrivals to the U.S. (<5 years) from high-prevalence areas or who resided in one for a significant amount of time (The significance of the travel exposure should be discussed with a health care provider and evaluated.)
- Injection drug users
- Mycobacteriology laboratory personnel
- Residents, employees, or volunteers in high-risk congregate settings
- Persons with medical conditions that increase the risk of progression to TB disease, including silicosis, diabetes mellitus, chronic renal failure, certain types of cancer (leukemias and lymphomas, cancers of the head, neck, or lung), gastrectomy or jejunioileal bypass and weight loss of at least 10% below ideal body weight.

**>15 mm is positive:**

- Persons with no known risk factors for TB who, except for certain testing programs required by law or regulation, would otherwise not be tested.



**3. INTERFERON GAMMA RELEASE ASSAY (IGRA): MAY BE COMPLETED OUTSIDE OF THE UNITED STATES BUT LAB REPORT IS REQUIRED IN ENGLISH.**

Date Obtained: \_\_\_/\_\_\_/\_\_\_ (circle method) QFT-GIT T-Spot other \_\_\_

Result: negative\_\_\_ positive\_\_\_ indeterminate\_\_\_ borderline\_\_\_ (T-Spot only)

**4. CHEST X-RAY: REQUIRED IF TST OR IGRA IS POSITIVE (Radiology report is required in English).**

**Note: a single**

Date of chest X-ray: \_\_\_/\_\_\_/\_\_\_ Result: normal\_\_\_ abnormal\_\_\_

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**Part III: Management of Positive TST or IGRA**

All students with a positive TST or IGRA with no signs of active disease on chest X-ray should receive a recommendation to be treated for latent TB with appropriate medication. However, students in the following groups are at increased risk of progressions from LTBI to TB disease and should be prioritized to begin treatment as soon as possible.

- Infected with HIV
- Recently infected with M. tuberculosis (within the past 2 years)
- History of untreated or inadequately treated TB disease, including persons with fibrotic changes on chest radiograph consistent with prior TB disease
- Receiving immunosuppressive therapy, such as tumor necrosis factor-alpha (TNF) antagonists, systemic corticosteroids equivalent to/greater than 15 mg of prednisone per day, or immunosuppressive drug therapy following organ transplantation
- Diagnosed with silicosis, diabetes mellitus, chronic renal failure, leukemia, or cancer of the head, neck, or lung
- Have had a gastrectomy or jejunioileal bypass
- Weigh less than 90% of their ideal body weight
- Cigarette smokers and persons who abuse drugs and/or alcohol

Student agrees to receive treatment

Student declines treatment at this time

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**Health Care Professional**

**Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_

