



**Student Health Services**  
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## **MUSC Visiting Student Immunization Requirements**

### **Instructions for Completion of Form**

All MUSC students, including full-time, part-time, distance, current employees, or returning former students, are required to submit the following information. The Mandatory Immunization Requirements Form and supporting documentation must be completed and received by Student Health Services before students will be allowed to attend classes. Maintaining these high standards is done to protect the safety of the students, staff, and patients.

**1. Measles, Mumps, Rubella** – proof of age-appropriate immunization **OR** immune antibody titers.

**Immunization** requirements can be met by providing documentation of 2 MMR vaccines received on/after age of 12 months, and both after 12/31/1967. Students born before 12/31/1956 can submit documentation of one MMR dose given after 12/31/1967. **OR Immune Antibody Titers** - Copy of lab report demonstrating immune antibody titers (IgG) to Measles, Mumps, and Rubella. Lab report should be quantitative and/or specify if test results are in immune range.

**2. Varicella (Chicken Pox) Immunity**

- Documentation of two Varicella vaccines **OR**
- Copy of lab report demonstrating immune antibody titers (IgG) to Varicella. Lab report should be quantitative and/or specify if test results are in immune range.

**3. Tetanus-diphtheria-acellular pertussis (Tdap)** –students are to have completed the childhood 5-dose DTaP vaccine series per current CDC/ACIP recommendations, with an adolescent Tdap booster (Boostrix, Adacel) given at age 11 or older. After receiving an adolescent Tdap booster, students may resume regular Td/Tdap (decennial) boosters every 10 years. Due to the rapid decline in pertussis antibodies a year after receiving the Tdap vaccine, it is acceptable to use Tdap for all decennial booster doses. Students with a documented allergic reaction to the pertussis vaccine need to provide a letter from their medical provider detailing the nature of their reaction and the contraindication to receiving the vaccine.

**4. Meningitis Vaccine (A,C,W,Y)** – initial or booster dose must be on or after 16th birthday. Documentation of vaccine or signed waiver is required.

**5. Hepatitis B Vaccination** – is required for students who may have exposure to blood or human body fluids during their academic coursework. Unvaccinated students should initiate the hepatitis B vaccine series prior to or during their first semester at MUSC. Previously immunized students must provide proof of the primary hepatitis B series (3 vaccines) **AND** a Quantitative Hepatitis B surface Antibody titer (preferably drawn 4-8 weeks after the final dose). Lab report should specify if test results are in the desired immune range ( $\geq 10$  mIU/mL). If the hepatitis B titer is non-immune (negative or equivocal) immediately after completion of the primary vaccine series, then complete a second hepatitis B series followed by a repeat titer. Individuals who failed to develop immunity after their primary hepatitis vaccine series should consider receiving the newer Heplisav-B vaccine series (2 vaccines given one month apart), which contains a novel adjuvant which stimulates a stronger immune response compared to the standard recombinant hepatitis B vaccines (Engerix-B, Recombivax HB). Heplisav-B vaccination stimulated sero-protective antibody levels in 95.4% of recipients versus 81.3% sero-protective antibody levels in those who received the standard recombinant hepatitis B vaccine. Many who completed their primary hepatitis B series during infancy will have a negative hepatitis antibody titer when first tested as an adult, often due to waning antibody levels over time. In this population, it is acceptable to receive a fourth hepatitis B vaccine “booster” followed by a hepatitis antibody titer 4-6 weeks later. If this hepatitis B titer is immune ( $\geq 10$  mIU/mL), then no further hepatitis vaccines are needed. If the titer is negative, then the second vaccine series should be completed, followed by a hepatitis B antibody titer. If the hepatitis B antibody titer is negative

after 2 completed hepatitis B vaccine series, then testing for chronic hepatitis B infection is required (Hepatitis B surface Antigen and Hepatitis B core Antibody).

**6. COVID-19 Vaccination** - All MUSC students are required to furnish their current COVID-19 vaccination information, regardless of your college or academic level. During high levels of COVID-19 activity, your COVID-19 vaccination status will help determine whether or not masking is required when you are on campus. In addition, primary vaccination plus a booster is mandatory for clinical rotations at the MUSC Medical Center and at most affiliated clinical sites. Some students will be involved in direct patientcare clinical activities during their first semester and will need to be compliant with MUSC COVID-19 vaccination requirements prior to arrival on campus. Other students may not be involved in clinical activities until later on in their academic studies. The immunization compliance officer of your college would know the timeline for your college. Please submit verifiable documentation of your COVID-19 vaccines prior to the pre-matriculation deadline. Please refer to the MUSC COVID POLICY for MUHA. Approved vaccines for MUSC are: Moderna, Pfizer, and Johnson & Johnson.

**7. TB Screening** - TB screening tests (TB Skin Test or Blood Assay) are **required** of all students regardless of prior BCG vaccination.

- TB Blood Assays (QuantiFERON-TB Gold® or T-SPOT®) are the preferred screening tests for most persons (more accurate screening method, requires a single visit for blood collection, unaffected by previous BCG vaccination, covered by most insurance plans).
- TB Skin Testing is an acceptable alternative, though has some drawbacks, including being more prone to errors in placement and interpretation, less convenient (requires 4 trips to complete 2-step TB skin testing as opposed to a single visit to draw a TB Blood Assay). Do not have a TB skin test placed within 28 days of receiving a live vaccine (MMR or Varicella) – this can give a false negative result.
- Previous history of previous positive TB skin testing ( $\geq 10$  mm induration) or (+) TB Blood Assay must be accompanied by documentation of the evaluation and treatment of this condition.

**A. Negative Baseline Tuberculosis Screening Tests** – persons with negative TB testing need one of the following: Blood Assay for Tuberculosis (Interferon Gamma Release Assay/IGRA) within 3 months of enrollment: QuantiFERON-TB Gold® or T-SPOT®

- Two (2) tuberculosis skin tests (Mantoux 5 TU Tuberculin Skin Tests) administered 1 – 3 weeks apart, and both within 3 months of enrollment.
- History of recent TB Skin Testing – persons who have had previous TB skin testing within 12 months of enrollment can submit documentation of this test, along with an additional TB skin test given within 3 months of enrollment.

**B. Positive TB Testing/Latent Tuberculosis Infection – new or previous (+) TB skin test or Blood Assay with negative Chest X-ray.**

The majority of healthy persons infected with tuberculosis are able to contain the initial infection, though viable TB microorganisms will remain present in their lungs for the rest of their life (latent tuberculosis infection or LTBI). Persons with LTBI are asymptomatic, not contagious, and will have a normal chest x-ray. Their only evidence of infection will be a positive TB skin test and/or blood assay (BAMT). Therefore, **a negative chest x-ray does not rule out the presence of TB or the need for treatment.** About 5-10% will develop active pulmonary tuberculosis at some point in their life, most often during the first few years after infection. Anti-tuberculosis medication decreases the chance of developing active TB infection by up to 90%. Persons with (+) skin tests and/or blood assays for TB **are required** to have been evaluated by the health department to determine their TB status and the need for preventive treatment. Provide:

- Documentation of your TB testing (TB Skin Test or Blood Assay)
- Chest X-ray Report (done after + TB testing) \*Foreign-born students with positive TB skin testing who have received the BCG vaccine, should get a Blood Assay for Tuberculosis/ BAMT (*QuantiFERON® TB Gold* or *T-SPOT*) for further evaluation. If BAMT is positive for TB, then a chest x- ray, TB Symptom Survey, and evaluation by the Health Department is required. If BAMT is negative, it may obviate the need for getting a chest x-ray.
- TB Symptom Survey
- Evaluation by the health department +/- the records of your preventive treatment. If LTBI is not treated, provide reason.

**C. History of Active Tuberculosis** - Required documentation includes:

- Documentation of positive TB test (TB Skin Test or Blood Assay)
- Chest X-ray Report (done after + TB test)
- TB Symptom Survey
- Health Department records of your TB treatment (Medications, Dates of Treatment, etc.).

**8. Influenza (Flu) Vaccine\*** - is a mandatory vaccine for students who will be on MUSC campus from November through May. The seasonal flu vaccine is usually released by about September, ahead of the flu season, and is composed of viruses that are predicted to be circulating the fall of the year the vaccine is released through spring of the following year. So, while it is not a pre-matriculation requirement for students enrolling in the Summer (May-July) or Fall (August), it is mandatory for those students to have received it by November\*. Vaccines from previous flu seasons will not satisfy this mandatory vaccine requirement.

\*Some colleges have different influenza vaccine deadlines to accommodate the requirements of outside clinical rotation sites.

Name: \_\_\_\_\_ Date of Birth: \_\_\_\_\_ College: \_\_\_\_\_

## INSTRUCTIONS FOR COMPLETION OF IMMUNIZATION FORM

**Acceptable Documentation:**

- Medical records from the provider that administered the immunizations, state issued records, employee health records and immunizations administered at a college. Previous college health forms are only acceptable for the vaccines they administered. Supporting documentation must be included for every vaccine required.
  - Immunization documents must contain the signature or stamp of the providing facility, must be in English, and must be legible.
  - All dates must include the month, day, year (mm/dd/yy).
  - Copies of the original lab report (with values/indices/reference ranges which indicate if immunity is present) must accompany this form.
- NOTE: Computer print-outs of transcribed titer results from a health clinic is not acceptable. Re-vaccination may be required for IgG Antibody titers that are non-immune. In lieu of antibody titers, documentation of age appropriate vaccination (MMR, Varicella) is acceptable proof of immunity.

**Unacceptable Documentation:**

- Lab reports with ambiguous results - Unacceptable results ("Reactive", "Antibody Detected", "Positive"), unless the reference range on the lab document indicates these results indicate immunity.
- Partial dates – must include month/day/year (mm/dd/yy).
- Parental signatures verifying vaccination.

**MEDICAL CONTRAINDICATION TO REQUIRED VACCINES** – a written statement from a qualified healthcare provider is required indicating the adverse reaction or medical circumstances for which immunization is not considered safe.

ANTIBODY TITER	MONTH / DAY / YEAR	TITER RESULTS :			
Measles / Rubella IgG		<input type="checkbox"/> Immune	<input type="checkbox"/> Equivocal / Borderline	<input type="checkbox"/> Negative / Non-Immune	<input type="checkbox"/> Lab Report Attached
Mumps IgG		<input type="checkbox"/> Immune	<input type="checkbox"/> Equivocal / Borderline	<input type="checkbox"/> Negative / Non-Immune	<input type="checkbox"/> Lab Report Attached
Rubella IgG		<input type="checkbox"/> Immune	<input type="checkbox"/> Equivocal / Borderline	<input type="checkbox"/> Negative / Non-Immune	<input type="checkbox"/> Lab Report Attached
MMR VACCINES	MONTH / DAY / YEAR	Verifying Documentation Attached			
#1 Measles---Mumps---Rubella					
#2 Measles---Mumps---Rubella					
ANTIBODY TITER	MONTH / DAY / YEAR	TITER RESULTS: Negative / Equivocal / Borderline / Indeterminate Titer requires vaccination.			
Varicella IgG Titer:		<input type="checkbox"/> Immune	<input type="checkbox"/> Equivocal / Borderline	<input type="checkbox"/> Negative / Non-Immune	<input type="checkbox"/> Lab Report Attached
VARICELLA VACCINES	MONTH / DAY / YEAR	Verifying Documentation Attached			
#1 Varivax					
#2 Varivax					
TETANUS VACCINES	MONTH / DAY / YEAR	Verifying Documentation Attached			
Tetanus/Diphtheria/Pertussis (Tdap)					
Tetanus/Diphtheria (Td)					
Meningitis Vaccine	MONTH / DAY / YEAR	<input type="checkbox"/> Menactra <input type="checkbox"/> Menveo <input type="checkbox"/> Menomune <input type="checkbox"/> Unknown   (Attach Documentation of Vaccination) <input type="checkbox"/> I do not wish to receive the meningococcal vaccine. I have read the information and completed the on-line form at <a href="https://lifenet.musc.edu">https://lifenet.musc.edu</a>			
Primary Hepatitis B Vaccine Series	Dose #1	Dose #2	Dose #3	<input type="checkbox"/> Attach documentation of vaccination	
	____/____/____ MONTH/ DAY / YEAR	____/____/____ MONTH/ DAY / YEAR	____/____/____ MONTH/ DAY / YEAR		
	Hepatitis B Surface IgG Antibody Titer Date _____	<input type="checkbox"/> Immune Titer ____ mIU/mL Titer Result	Non – Immune Titer <input type="checkbox"/> Equivocal/B orderline <input type="checkbox"/> Negative Equivocal or Negative Titers – see Page 1		<input type="checkbox"/> Lab Report Attached
Secondary Hepatitis B Vaccine Series (If Non-Immune After Primary Series)	Dose #4	Dose #5	Dose #6	<input type="checkbox"/> Attach documentation of vaccination	
	____/____/____ MONTH/ DAY / YEAR	____/____/____ MONTH/ DAY / YEAR	____/____/____ MONTH/ DAY / YEAR		
	Hepatitis B Surface IgG Antibody Titer Date _____	<input type="checkbox"/> Immune Titer ____ mIU/mL Titer Result	Non – Immune Titer <input type="checkbox"/> Equivocal/Bor derline <input type="checkbox"/> Negative Equivocal or Negative Titers – see Page 1		<input type="checkbox"/> Lab Report Attached
Hepatitis B Vaccine Non-responder (If Hepatitis B Surface Antibody Negative after Primary and Secondary Series)	Date:	Hepatitis B Surface Antigen (If 2 <sup>nd</sup> titer is negative)	(Attach Lab Report)		
	Date:	Hepatitis B Core Antibody (If 2 <sup>nd</sup> titer is negative)			
Chronic Active Hepatitis B	Date:	Hepatitis B Surface Antigen	(Attach Lab Reports)		
COVID-19 Vaccine	Dose #1	Dose #2	Dose #3		
	____/____/____ MONTH/ DAY / YEAR (circle one) Pfizer Moderna J&J	____/____/____ MONTH/ DAY / YEAR (circle one) Pfizer Moderna J&J	____/____/____ MONTH/ DAY / YEAR (circle one) Pfizer Moderna J&J		

## Tuberculosis Screening

All students must complete one of the TB Sections (A, B, or C) below. Results of TB screening tests (TB Skin Test or Blood Assay) **required** of all students regardless of prior BCG vaccination. Do not have a TB skin test placed within 28 days of receiving a live vaccine (MMR or Varicella) – this can give a false negative result. Follow instructions on cover sheet to complete the appropriate section on this form.

<b>SECTION A</b>				
<b>Negative Baseline Tuberculosis Screening</b>				
	Date Placed	Date Read	Result	Documentation
TB Skin Test #1	____/____/____	____/____/____	____ mm Induration Pos Neg Equiv	<input type="checkbox"/> Copy of Report Attached
Skin TB Test #2	____/____/____	____/____/____	____ mm Induration Pos Neg Equiv	<input type="checkbox"/> Copy of Report Attached
TB Blood Assay	<b>Date</b>		<b>Result</b>	
<input type="checkbox"/> <i>QuantiFERON® TB Gold</i> <input type="checkbox"/> <i>T-SPOT</i>	____/____/____		<input type="checkbox"/> Negative <input type="checkbox"/> Indeterminate	<input type="checkbox"/> Copy of Report Attached
<b>SECTION B</b>				
<b>Positive TB Testing With Negative *Chest X-Ray</b>				
<b>Positive TB Testing</b>	*Persons born outside the US who have received the BCG vaccine are required to provide documentation of TB screening tests. Those with + TB skin tests should receive a TB Blood Assay ( <i>Quantiferon</i> or <i>T-Spot</i> ). If TB Blood Assay is +, then a chest x-ray, TB Symptom Survey, and evaluation by Health Department are required prior to enrollment.			
TB Skin Test (≥ 10 mm) And/Or TB Blood Assay	Date Placed	Date Read	Result	<input type="checkbox"/> Copy of Report Attached
	____/____/____	____/____/____	____ mm Induration	
	<b>Test</b>	Test Date	Results	<input type="checkbox"/> Copy of Report Attached
	<input type="checkbox"/> <i>QuantiFERON® TB Gold</i> <input type="checkbox"/> <i>T-SPOT</i>	____/____/____	_____	
Chest X-Ray (CXR) (Taken after + TB Test)	Date of CXR	CXR Reading: Normal (No Evidence of TB) <input type="checkbox"/> Abnormal		<input type="checkbox"/> Copy of Report Attached
	____/____/____			
Health Dept Evaluation?	<input type="checkbox"/> YES <input type="checkbox"/> NO	Date of Evaluation:	Recommendation:	<input type="checkbox"/> Copy of Report Attached
		____/____/____		
Prophylactic Treatment for Latent TB?	<input type="checkbox"/> YES <input type="checkbox"/> NO _____ Provide Reason Not Treated	Tx Started: ____/____/____ Tx Ended: ____/____/____	Medication(s):	<input type="checkbox"/> Copy of Report Attached
TB Symptom Survey	Date of Survey:	Any "Yes" Responses to Symptoms on TB Survey?		<input type="checkbox"/> Copy of Report Attached
	____/____/____	<input type="checkbox"/> Yes <input type="checkbox"/> No		
<b>Section C</b>				
<b>History of Active Tuberculosis Infection</b>				
TB Skin Test (≥ 10 mm)	Date Placed	Date Read	Result	<input type="checkbox"/> Copy of Report Attached
	____/____/____	____/____/____	____ mm Induration	
TB Blood Assay	<b>Test</b>	Test Date	Results	<input type="checkbox"/> Copy of Report Attached
	<input type="checkbox"/> <i>QuantiFERON® TB Gold</i> <input type="checkbox"/> <i>T-SPOT</i>	____/____/____	_____	
Chest X-Ray (CXR) (Taken after + TB Test)	Date of CXR	CXR Reading:		<input type="checkbox"/> Copy of Report Attached
	____/____/____			
Report from Health Department Required	Date of Evaluation:	Recommendation:		<input type="checkbox"/> Copy of Report Attached
	____/____/____			
TB Treatment	Medication(s):	Tx Started: ____/____/____ Tx Ended: ____/____/____		<input type="checkbox"/> Copy of Report Attached
TB Symptom Survey	Date Of Survey:	Any "Yes" Responses to Symptoms on TB Survey?		<input type="checkbox"/> Copy of Report Attached
	____/____/____	<input type="checkbox"/> Yes <input type="checkbox"/> No		