

Your Role

You play a vital part in your pharmacy technician's successful completion of the *PTU Elite: Immunizations* program.

As a TRC-approved immunizing pharmacist preceptor, your primary responsibility will be to ensure an effective and safe level of direct supervision of your technicians. Primarily, this will involve observing and grading the simulation content.

You should also be available to your technicians throughout the program, to answer questions that may arise. In particular, you will likely be asked to clarify your pharmacy-specific processes, documentation requirements, and other policies.

You may also be responsible for gathering or procurement of supplies needed for the simulation challenges (see below for a list of supplies).

It is essential that you participate in the program **WITH** your technicians, to ensure they are properly trained to administer vaccines.

Didactic Content (6 hours)

Didactic content is completed by the technician independently, though you should be familiar with the content to help answer questions. The main topics of the didactic program include:

- Overview of Vaccines
- Patient Indications & Precautions
- Vaccine Dispensing & Administration
- Assessment & Certificate

There are quizzes and assessments throughout the didactic portions that are graded automatically. Students have unlimited attempts to pass these assessments (80% is the passing threshold).

You have access to all content with your PTU account. After logging in, simply use the "Search" tab to "Find Courses."

Simulations (4 hours)

There are 5 simulation courses and 9 challenge exercises in the program.

- Hand Hygiene
- Administering an Intramuscular Vaccine
- Administering an Intranasal Vaccine
- Administering a Subcutaneous Vaccine
- Managing Vaccine Reactions (5 separate challenges)
 - o Managing Anaphylaxis
 - o Managing Excessive Bleeding
 - o Managing Light-Headedness or Dizziness
 - o Managing A Fall Without Loss of Consciousness After Vaccination
 - o Managing A Fall With Loss of Consciousness After Vaccination

As a TRC-approved immunizing pharmacist preceptor, you'll observe and grade your technician completing the above tasks during the practice and challenge exercises. You are responsible for ensuring the technician is proficient in, and successfully completes, all items in the rubric. If the technician is not proficient in any area, please refer them back to their course materials to review the content and help them become successful. **Observation and grading cannot be delegated to anyone else**, as you are responsible for

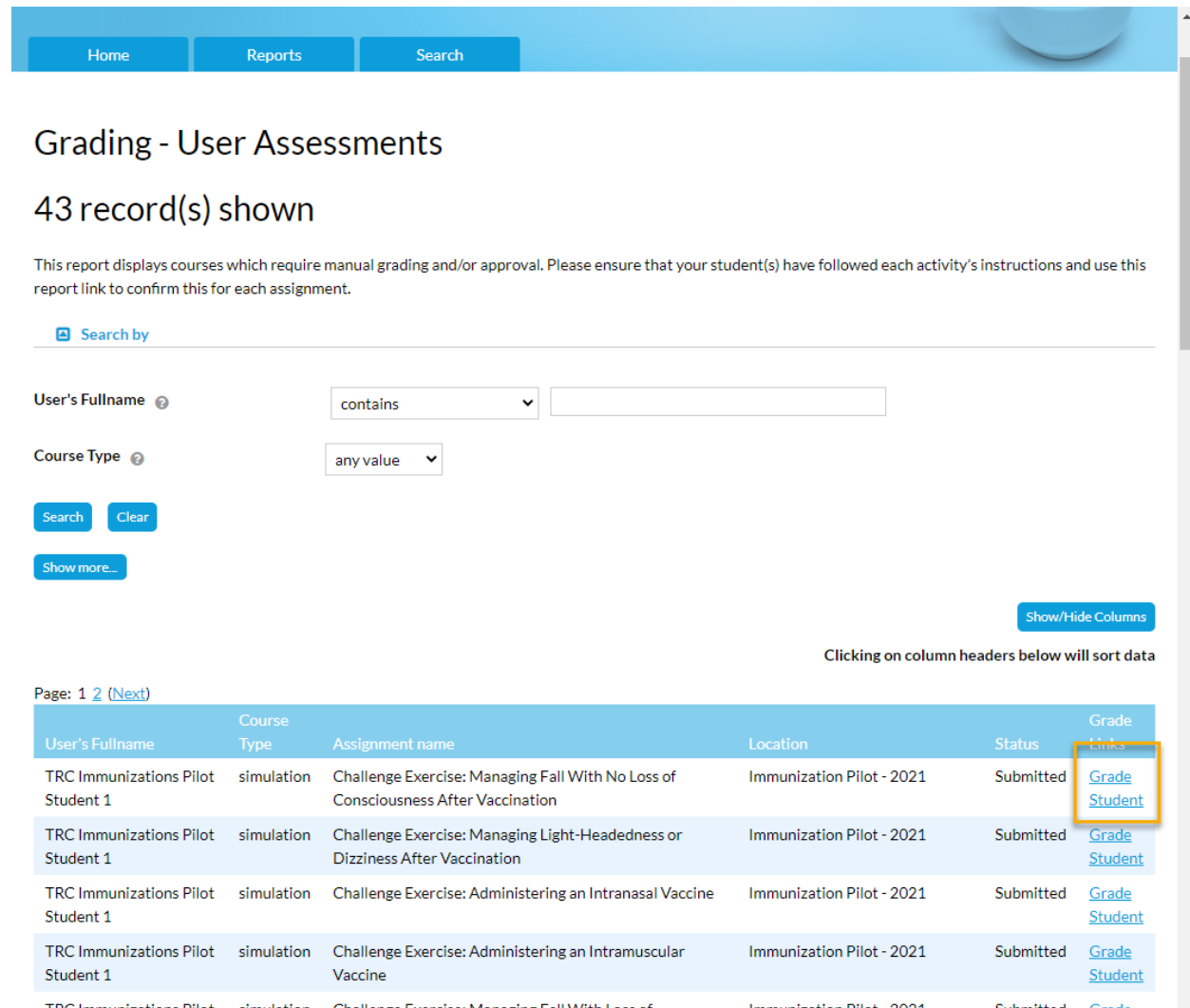
ensuring the technician will be able to successfully immunize patients and treat vaccine-related side effects.

Some of these simulations require setup and guidance from the TRC-approved immunizing pharmacist preceptor prior to the technician completing the exercise. For example, you will need to assemble a simulated “vaccine sprayer” for the Administering an Intranasal Vaccine simulation. Instructions for each simulation are provided at the end of this document.

Accessing Simulation Grading

Simulation grading is available under the “Quick Links” area on your dashboard.

On the screen that comes up, find the name of the student and the Challenge Exercise you are grading and click “Grade Student”:



Home Reports Search

Grading - User Assessments

43 record(s) shown

This report displays courses which require manual grading and/or approval. Please ensure that your student(s) have followed each activity's instructions and use this report link to confirm this for each assignment.

[Search by](#)

User's Fullname [?](#) contains

Course Type [?](#) any value

[Search](#) [Clear](#)

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Clicking on column headers below will sort data

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User's Fullname	Course Type	Assignment name	Location	Status	Grade Links
TRC Immunizations Pilot Student 1	simulation	Challenge Exercise: Managing Fall With No Loss of Consciousness After Vaccination	Immunization Pilot - 2021	Submitted	Grade Student
TRC Immunizations Pilot Student 1	simulation	Challenge Exercise: Managing Light-Headedness or Dizziness After Vaccination	Immunization Pilot - 2021	Submitted	Grade Student
TRC Immunizations Pilot Student 1	simulation	Challenge Exercise: Administering an Intranasal Vaccine	Immunization Pilot - 2021	Submitted	Grade Student
TRC Immunizations Pilot Student 1	simulation	Challenge Exercise: Administering an Intramuscular Vaccine	Immunization Pilot - 2021	Submitted	Grade Student
TRC Immunizations Pilot	simulation	Challenge Exercise: Managing Fall With Loss of	Immunization Pilot - 2021	Submitted	Grade

If the list of students waiting for simulations to be graded is long, you can use the filters at the top of the screen to narrow the results.

Once you have found the student and clicked the “Grade Student” link next to the appropriate exercise, it will bring up the grading form similar to the one shown on the next page. The form includes Instructor Directions, a copy of the Student Prompt, and the grading rubric. You’ll be able to fill this out as you watch the technician, or right after you’ve watched the technician. You have the opportunity to provide objective feedback to your technicians as well.

Once you have completed the grading, click “Save changes.”

IMPORTANT NOTE: Your technicians are required to obtain a correct grade of 100% to proceed. If they are not meeting one or more of the required rubric items, please remediate with them so they can reattempt the simulation and earn a passing grade.

Grade

Grade form:

INSTRUCTOR DIRECTIONS

The student should be injecting bacteriostatic sodium chloride 0.9% for this challenge. Bacteriostatic sodium chloride 0.9% mimics the body's own fluid pH and osmolarity, so it's safe to inject. And it contains a bacteriostat to allow multiple doses to be drawn from it. Please place a beyond-use date of 28 days on bacteriostatic sodium chloride vials once they're first punctured.

You can choose an actual intramuscular vaccine (influenza, Tdap, etc), to test if the student selects the correct VIS, and identifies any contraindications to the specific vaccine you choose.

STUDENT PROMPT

For this challenge, you'll need to administer an intramuscular vaccination to a pharmacy colleague using proper technique, **under the direct supervision of your pharmacist**. This exercise includes all of the processes you need to take prior to, during, and after the vaccination is complete.

For instance, you will need to ensure proper documentation is provided and complete. You

will also need to ensure proper documentation and supervision with your pharmacist. Please use appropriate personal protective equipment (PPE), prepare the patient for the vaccination.

Preparation

☒ Patient's temperature was accurately taken and recorded	Objective feedback
☐ Correct vaccine information statement (VIS) was provided	Objective feedback
☐ Vaccine screening questionnaire and consent form was completed	Objective feedback
☐ Alerted the pharmacist to any identified contraindications or precautions to vaccination	Objective feedback

Simulation Instructor Directions and Supply List

Hand Hygiene

No Special Instructions.

Supplies:

- Soap
- Sink with running water
- Towels or electric air dryer
- Hand sanitizer that contains at least 60% alcohol

Administering an Intramuscular Vaccine

The student should be injecting bacteriostatic sodium chloride 0.9% for this challenge, NOT an actual vaccine. Bacteriostatic sodium chloride 0.9% mimics the body's own fluid pH and osmolarity, so it's safe to inject. And it contains a bacteriostat to allow multiple doses to be drawn from it. Please place a beyond-use date of 28 days on bacteriostatic sodium chloride vials once they're first punctured.

You can choose an actual intramuscular vaccine (influenza, Tdap, etc) to test whether the student selects the correct VIS and identifies any contraindications to the specific vaccine you chose.

Have yourself or a colleague fill out the vaccine screening questionnaire and consent form that your pharmacy provides. Feel free to include a contraindication to the vaccine or leave an area blank to gauge the student's review of the questionnaire.

Supplies:

- Pharmacy's vaccine screening questionnaire and consent form
- Bacteriostatic sodium chloride 0.9% or normal saline
- Appropriate personal protective equipment (PPE), based on your pharmacy's policies
- Appropriate needle and syringe, based on the type of immunization given
- Alcohol swabs or pads
- Cotton balls
- Latex-free bandages
- Sharps container
- Appropriate items for post-administration processes (vaccine administration record, etc)

Administering an Intranasal Vaccine

The student should be using a “simulated vaccine sprayer” to complete this exercise, NOT an actual vaccine. This “simulated sprayer” can be any of the following, listed in order of preference for simulation accuracy:

- Option 1: Needleless luer-lock syringe with mucosal atomizer device (MAD) filled with 0.2 mL of any of the following liquids:
 - Sterile sodium chloride 0.65% (preferred, commonly found in saline nasal sprays)
 - Alternate liquids (may sting when administered into the nostrils)
 - Bacteriostatic sodium chloride 0.9%
 - Distilled water
 - Sterile water
- Option 2: **Empty** needleless luer-lock syringe

Mucosal atomizer devices (MADs) may be available from your wholesaler or may be provided by your company. If your pharmacy assembles nasal naloxone kits for patients, you may already have a MAD in stock.

You will need to build this device for your student prior to assessing their competency. The device should look like this:

[image coming soon]

If an empty needless syringe is used, have students talk through the procedure to ensure full understanding of how the actual intranasal vaccine is administered.

Choose a random lot number and expiration for this exercise, to make sure students correctly fill out the VAR.

Have yourself or a colleague fill out the vaccine screening questionnaire and consent form that your pharmacy provides. Feel free to include a contraindication to the vaccine or leave an area blank to gauge the student’s review of the questionnaire.

Supplies:

- Pharmacy’s vaccine screening questionnaire and consent form
- Simulated “vaccine sprayer” (may need to be assembled prior to challenge, talk to your immunizing preceptor for more details on the device you will utilize)
 - Option 1: Needleless luer-lock syringe with mucosal atomizer device (MAD) filled with 0.2 mL of any of the following liquids:
 - Sterile sodium chloride 0.65%
 - Bacteriostatic sodium chloride 0.9%
 - Distilled water
 - Sterile water
 - Option 2: **Empty** needleless luer-lock syringe

- Appropriate personal protective equipment (PPE), based on your pharmacy's policies
- Tissues for the patient
- Sharps container
- Appropriate items for post-administration processes (vaccine administration record, etc)

Administering a Subcutaneous Vaccine

The student should be injecting bacteriostatic sodium chloride 0.9% for this challenge, NOT an actual vaccine. Bacteriostatic sodium chloride 0.9% mimics the body's own fluid pH and osmolarity, so it's safe to inject. And it contains a bacteriostat to allow multiple doses to be drawn from it. Please place a beyond-use date of 28 days on bacteriostatic sodium chloride vials once they're first punctured.

You can choose an actual subcutaneous vaccine (MMR, varicella, etc) to test whether the student selects the correct VIS and identifies any contraindications to the specific vaccine you chose.

For gauging students on reconstitution, your pharmacy can order Demo Dose powder vials, which can be purchased on websites like Pocket Nurse or Nasco.

If the demo vial's label doesn't state the amount of diluent to use, choose how much diluent you want the student to use when assessing reconstitution. **Be aware the reconstituted liquid should NOT be injected into a person.** It should only be used to assess reconstitution technique. Your students should only use bacteriostatic sodium chloride 0.9% or normal saline for the actual subcutaneous injection.

Have yourself or a colleague fill out the vaccine screening questionnaire and consent form that your pharmacy provides. Feel free to include a contraindication to the vaccine or leave an area blank to gauge the student's review of the questionnaire.

Supplies:

- Pharmacy's vaccine screening questionnaire and consent form
- Bacteriostatic sodium chloride 0.9% or normal saline
- Demo dose powder **Do NOT inject reconstituted Demo Dose Powder into a person*
- Appropriate personal protective equipment (PPE), based on your pharmacy's policies
- Appropriate needle and syringe, based on the type of immunization given
- Alcohol swabs or pads
- Cotton balls
- Latex-free bandages
- Sharps container
- Appropriate items for post-administration processes (VAR, etc)

Managing Anaphylaxis

Let your acting skills shine!

You, or a designated colleague, will be the patient pretending to experience anaphylaxis after receiving a vaccine. Signs and symptoms you could mimic would include gasping for air and clutching at your throat. Since this is a distressing event, find a place in the pharmacy away from patients to perform this challenge.

If you don't have such a place in a remote area of the pharmacy, **let your patients know this is a simulation**, so they don't accidentally call 911!

Keep in mind, the student should not prepare or inject actual medications or perform actual CPR. But ensure they simulate appropriate steps and clearly talk you through the steps to ensure understanding of the entire procedure.

Visit the VAERS website (<https://vaers.hhs.gov/uploadFile/index.jsp>) and download the form yourself to become familiar with the information needed. In order to assess a student's correct completion of the VAERS form, make up patient and vaccine information (e.g., name, type of vaccine, etc).

Roleplay with different scenarios (i.e., pediatric and adult patients) to assess proper dosing of epinephrine and/or diphenhydramine. Make up patient weights for correct dosing. For example, a child who weighs 30 pounds would get 13 to 26 mg of diphenhydramine.

Supplies:

- Pharmacy's emergency management plan
- Blood pressure/pulse monitor
- Blood pressure/pulse log (you can find one [here](#))
- Oral and/or injectable diphenhydramine (trainer doses are okay)
- Epinephrine (trainer device preferred, needleless syringe, capped pen, etc are okay)
- A blank printed VAERS report (<https://vaers.hhs.gov/uploadFile/index.jsp>)

Managing Excessive Bleeding

You, or a designated colleague, will be the patient experiencing excessive bleeding after a vaccination. Do NOT make yourself or a colleague bleed. Even though the gauze pads used in this challenge will not have blood, assess the student's knowledge of where to dispose of blood-soaked gauze pads.

Supplies:

- Gauze pads
- Latex-free bandage
- Biohazard bag (or proper waste container for "blood-soaked gauze")

Managing Light-Headedness or Dizziness

You, or a designated colleague, will be the patient experiencing light-headedness or dizziness after receiving an injectable vaccination.

Supplies:

- Cool, damp cloths or ice pack

Managing A Fall Without Loss of Consciousness After Vaccination

You or a designated colleague will be the patient who experienced a fall, but did not lose consciousness. **To prevent injury, don't actually fall.**

Find a place in the pharmacy away from patients to perform this challenge. If you don't have such a place in a remote area of the pharmacy, **let your patients know this is a simulation**, so they don't accidentally call 911.

Supplies:

- None

Managing A Fall With Loss of Consciousness After Vaccination

You or a designated colleague will be the patient who fell and experienced a loss of consciousness. **To prevent injury, don't actually fall.**

Find a place in the pharmacy away from patients to perform this challenge. If you don't have such a place in a remote area of the pharmacy, **let your patients know this is a simulation**, so they don't accidentally call 911.

Keep in mind, the student should not perform actual CPR. But ensure they simulate appropriate steps and clearly talk you through the steps to ensure understanding of the entire procedure.

Supplies:

- A blank printed VAERS report (<https://vaers.hhs.gov/uploadFile/index.jsp>)