

Immunization Scanner Process

Purpose: To improve accuracy, efficiency, and patient safety during the immunization process.

1. Accuracy

- **Fewer Mistakes:** Scanning the vaccine syringe/vial makes sure the right vaccine, lot number, and expiration date are recorded automatically, reducing the chance of mistakes compared to doing it by hand.
- **Quick Checks:** Scanners quickly check the vaccine's details against the patient's record, lowering the risk of giving the wrong vaccine or the wrong dose.

2. Efficiency

- **Faster Data Entry:** Scanning barcodes speeds up recording vaccine details, letting healthcare workers spend more time with patients and less time on paperwork.
- **Works with EHR Systems:** Immunization scanners can connect with electronic health records (EHR), automatically updating the patient's record without manual input.

3. Documentation

- **Automatic Data Recording:** The scanner automatically records all important details (lot number, expiration date, and manufacturer) into the EHR system.

4. Patient Safety

- **Preventing Mistakes:** Scanning the vaccine before giving it can catch problems, like expired vaccines or vaccines that shouldn't be given to certain patients.
- **Clear Documentation:** The scanner helps make sure vaccine details are recorded properly, which is important for both patient safety and legal reasons.

5. Compliance with Rules

- **Vaccine Tracking:** Immunization scanners help make sure vaccination data is accurately reported to health authorities, following all regulations.

6. Convenience

- **Fewer Admin Errors:** Scanning helps healthcare workers focus on giving the vaccine instead of worrying about mistakes in writing down details or reading labels.

- **Faster for Patients:** With accurate and quick data entry, patients wait less, leading to better satisfaction.

7. Less Waste

- **Expiration Alerts:** Scanners can warn healthcare workers if a vaccine is expired or close to expiring, reducing waste by ensuring only good doses are given.

Using an immunization scanner helps improve patient care by making sure vaccines are given and recorded accurately. It also improves efficiency and makes sure health regulations are followed, reducing mistakes and improving patient outcomes

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Immunization Scanner Workflow

1. Preparation

- **Make Sure the Scanner is Ready:**
 - Connect the scanner to the computer.
 - The scanner will make a sound to show it's connected.
- **Check Patient Information:**
 - Confirm the patient's identity.
 - Make sure the correct patient's record is open on the computer.

2. Scanning Immunization Record

- **Start the Immunization Scan:**
 - When the patient is ready, get the immunization QR code.
 - Use the scanner to scan the QR code. This will automatically add the vaccine's name, lot number, and expiration date to the patient's record.
- **Check the Information:**
 - Make sure the scanned vaccine details (lot number, manufacturer, and expiration date) match the vaccine you are giving.
 - The system will show any warnings or issues with the vaccine.
 - If there's a problem, fix it before giving the vaccine.

3. Administer Immunization

- **Record the Vaccine Information:**
 - After scanning, enter the injection method (like intramuscular or subcutaneous) and where you gave the shot.

4. Verification & Review

- **Check the Information:**

- Double-check the scanned details to make sure everything is correct.

5. Finalizing the Record







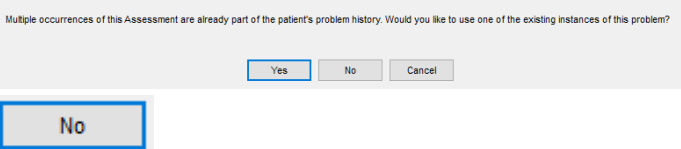
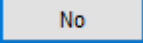



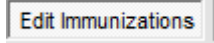
- **Save the Immunization Record:**
 - Once the information is correct, save it to the patient's record.
 - The vaccine details will automatically be sent to the Minnesota Immunization Information Connection (MIIC) database.
- **Notify the Patient:**
 - If needed, give the patient a vaccination record or a reminder for future doses.


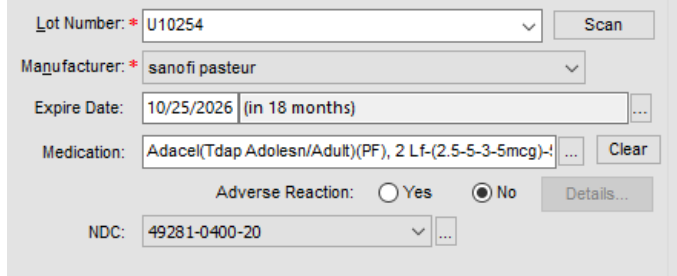
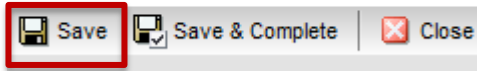
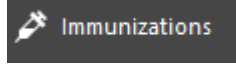
6. Post-Scan Procedures

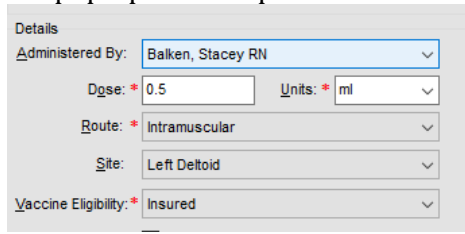
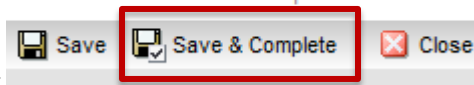
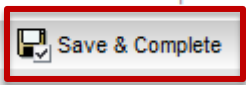
- **Clean the Scanner:**
 - Clean and disinfect the scanner after each use.
 - Store the scanner in the right place for the next time.

This process makes sure immunization tracking is accurate and quick, helping improve patient care and record-keeping.

Immunization Scanner step-by-step

Step	Action	Detail
1.	Order immunization	Immunizations are ordered in patient's chart manually. Go to the Assessment and Plan (A&P) section in patient's chart  Assessment/Plan . Located in lower left column.
		Select  located in top banner of screen.
		Open the  MD NWFP short list.
		Scroll down to the  Immunizations folder and open.
		If administering one immunization, select the desired immunization and double click – see example  Tdap vaccination (Z23) . Pop-up may appear – see below for information
		If administering more than one immunization select  Encounter for immunization (Z23) and double click. Pop-up may appear – see below for information.
		Immunization is added to the A&P current plans. You may get a pop-up indicating a previous occurrence  select 
		The immunization will appear in the current encounter - see example  Tdap vaccination (Z23)  ADMINISTRATION OF TETANUS, DIPHTHERIA, AND ACELLULAR PERTUSSIS VACCINE (90715)
2	Information Entry	Go to the Immunization section of the patient's chart  Immunizations . Located in the upper left-hand column.
		Go to the  button and select. Located in the middle row of tabs at the top of the page.
		Locate the ordered vaccine in the immunization record. The order will show up as below - see example Tdap (7 years and up) (90715) 3/31/2025 1:12 PM
		Highlight and double-click the order. A new pop-up will appear. Connect the scanner to your computer with the USB cord.

		<p>Go to the Scan button located on the right side in the middle of the pop-up. Click once to open a new pop-up.</p>  <p>Aim the scanner crossbeam at the QR code on the immunization and activate the scanner.</p> <p>Immunization information will be filled into the record.</p>  <p>. Select</p> <p>Immunization Record Properties</p>  <p>located in the upper left corner of the immunization record properties screen.</p>
3	Immunization administration	<p>Vaccine information sheet is provided to patient.</p> <p>Administer immunization to patient using medical standard of care.</p>
4	Complete documentation	<p>Go to the Immunization section of the patient's chart</p>  <p>. Located in the upper left-hand column.</p> <p>Locate the ordered vaccine in the immunization record. The order will show up as below - see example</p> <p>Tdap (7 years and up) (90715) 3/31/2025 1:12 PM</p> <p>Highlight and double-click the order. A new pop-up will appear.</p>

		<p>Go to the details section, located on the left side in the middle of the pop-up and complete the fields</p>  <p>Immunization Record Properties</p>  <p>Select  located in the upper left corner of the immunization record properties screen to close the record.</p> <p>The immunization record will contain all the information – see example</p> <p>Tdap (7 years and up) (90715) Administered by Balken, Stacey RN on 4/1/2025 3:33 PM (Inhouse) Dose: 0.5 ml; Route: Intramuscular; Site: Left Deltoid Manufacturer: sanofi pasteur; Lot: U10254; Expiration Date: 10/25/2026; NDC: 49281-0400-20 Medication: Adacel(Tdap Adolesn/Adult)(PF), 2 Lf-(2.5-5-3-5mcg)-5Lf/0</p> <p>Vaccine Eligibility: Insured Vaccine Funding: Private Responsible Party: PLANET, MERCURY Participate in Registry Reminders: Yes</p> <p>VIS Given: Tdap (Tetanus, Diphtheria, Pertussis) Vaccine (8/6/21)</p> <p>Documented by: Balken, Stacey RN on 4/3/2025 9:14 AM Completed by: Balken, Stacey RN on 4/3/2025 9:14 AM</p>
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