

Feb. 21 Epic *Update Companion*



Anesthesia Staff

Updated: 1/22/21

On **Sunday, Feb. 21**, Epic will be updated with new features and enhancements to improve safety and quality of care, productivity and financial outcomes. This ***Update Companion*** contains details of the changes for your role. It is your sole training resource so be sure to review it carefully.

This ***Update Companion*** is prepared for the following job roles/functions:

- Anesthesiologists
- CRNA
- Anesthesia Staff

Top Changes for Role/Department:

1. [Keep a Close Watch on Watch Meds](#)
2. [Complication Tracking is Now Seamlessly Integrated into Anesthesia's Intraoperative Activity](#)
3. [LDAs Get Visual in Intraoperative](#)
4. [Get to Know the New Intraoperative Medication Administration Window](#)



If you need help with Epic, be sure to visit our library of tip sheets in the Epic Learning Home. Simply press F1 on your keyboard while logged in to Epic.





Guided Playground Practice

Exercises to help you prepare for the coming changes.

After reviewing this document, use it as a guide to see the new features for yourself in the Epic Playground. Playground practice helps you prepare for the update so you can stay focused on patient care.

Playground User ID: **ane00-ane12**

Playground Password: **train**

Key workflows for you to practice include:

- Record Complications in the Intraprocedure Activity
- LDAs Get Visual in Intraprocedure
- Document Medication Administrations in the Improved Admin Form



Anesthesia Staff



Keep a Close Watch on Watch Meds

Key Benefits

- Easily Visible in Anesthesia Storyboard

Description:

Look for the **Watch meds** column in the Anesthesia Storyboard to see whether your patients are taking any medications you need to watch carefully. Use the information you find there to make sure you don't overdose or dose your patients too early with any of these medications.



Pat G. Simpson
Male, 35 yo, 9/19/1984
MRN: 278459
Cur Location: Mode
Code: Not on file (no ACP docs)

Search

Isolation: None

ALLERGIES
Not on File

Ht: 5' 8"
Weight (standard): 180 lb
BMI: 27.37 kg/m² !
Watch meds found

PROCEDURES (2)
APPENDECTOMY OPEN
Scheduled, ANQA OR 10
Anes: Ben Crusi, MD
Provider: Carie Main, MD
Bed Requested: 10a

PROBLEM LIST
Non-Hospital
Difficult intubation

NO NEW RESULTS, LAST 36H

MEDICAL HISTORY
Hypertension

Watch Medications
Medications searched: Antibiotics (1 day), Narcotics (1 day)

Last Administrations

Medication Group	Date/Time	Medication	Action	Dose
Antibiotics	1/24/2020 7:46 AM	ceFAZolin 500 mg	Given	555 mg
Narcotics	1/24/2020 7:57 AM	REMIFENTANIL 1 MG IV SOLUTION 1 mg	New Bag	0.1 mcg/kg/min

Orders Not Given
No orders found

Current Outpatient Medications

Medication Group	Order Details	Sig
Narcotics	morphine (MS IR) 15 MG PO tablet	Take 15 mg by mouth every 4 hours as needed for Pain.





Record Complications in the Intraprocedure Activity

Key Benefits

- More Efficient

Description:

It's easier than ever for Anesthesia staff to quickly document procedure complications for their patients because complications documentation tools are now seamlessly integrated into Anesthesia's **Intraprocedure** activity. Documenting complications helps to make sure you can provide safe, effective care in future procedures and contributes to a rich collection of data for ongoing analysis and quality reporting.

The screenshot shows the Epic Intraprocedure activity interface. The main window displays patient information and a list of complications. The 'Complications' button in the toolkit is highlighted with a red box. The 'Complications' window is open, showing a list of complications categorized into Airway/Respiratory, Pharmacologic, and Endocrine, Urologic, Miscellaneous. The 'Weakness - bag/mask ventilation required' complication is selected, and its details are shown in the right-hand pane. The details include Phase (Intraprocedure), Outcome (Treatment: Other), Comment (bag required), and Last edit (9/2/2020 6:04 PM - Anesthesia Anesthesiologist, MD). The 'Complications' button in the toolkit is highlighted with a red box.

Steps:

1. Click **Complications** in the toolkit.
2. **Complications** window opens within the **Intraprocedure** activity.
3. There's no need to go to the separate **Complication Tracking** activity to document complications anymore.





LDAs Get Visual in Intraprocedure

Key Benefits

- More Efficient

Description:

Use a visual avatar of a human body to document the placement, assessment and removal of lines, drains and airways.

Steps:

1. Open the **Flowsheet** activity.
2. Chose **LDA Avatar**.
3. Click the drop-down menu.
4. Choose **Add LDA**.

LDAs - Brown, Brian

Add LDA

Active LDAs

- Peripheral IV 08/29/20 Right Antecubital
Placement Date: 08/29/20; Placement Time: 1157; Catheter Size: 16 G; Orientation: Right; Location: Antecubital; Site Prep: Alcohol; Technique: Ultrasound guidance; Insertion Attempts: 1; Difficult Venous Access? No
- Lumbar Drain
Placement Date: 08/24/20; Placement Time: 1156; Location: L2-L3; Size: 6 Fr
- Surgical Airway Portex 5
Placement Date: 09/01/20; Placement Time: 1158; Brand: Portex; Size(mm): 5; Insertion Attempts: 1

View back





Filter Devices in the Data Validate Activity

Key Benefits:

- Time Saver

Description:

You can now filter information in the **Data Validate** activity to focus only on the data from a single device. This is especially helpful when multiple devices show unvalidated data at the same time in the **Data Validate** activity. To filter data, select a device from the dropdown menu in the **File Data From** field.

The screenshot shows the 'Data Validate' window with a 'File Data From' dropdown menu open. The menu options are 'All Devices', 'EMH Ventilator 100', and 'EMH Vitals Monitor 100'. The 'EMH Ventilator 100' option is selected. The interface also shows a 'Selection' dropdown set to 'Select all', a 'Start' date of 09/01/20, an 'End' date of 09/01/20, and an 'Interval' of 1h. The main data table is partially visible, showing 'Settings' and 'Readings' for various parameters over time.

	9/1/20						
	0800	0900	1000	1100	1200	00	
Settings							
FIO2 (%)	49	49	49	50	48	50	
Resp Rate ...	13	14	13	15	13	15	
PEEP/CPA...	3	5	4	3	5	5	
Readings							
Vt (observe...)	74	73	74	73	72	74	
PIP Observ...	39	39	39	39	40	40	





Bookmark Outside Encounters in Chart Review

Key Benefits

- More Accuracy and Reliability

Description:

Reviewing encounters from outside sources can give you a broader view of patients' care and help fill in gaps you might otherwise be unaware of. Now you can bookmark and add comments to outside encounters for easy reference later on the **Bookmarks** tab, alongside any other bookmarked data from the chart. The **Care Everywhere** icon indicates which encounters originated from outside your organization on the **Bookmarks** tab.

Chart Review

Encounters Labs Imaging Procedures ECG Other Orders Medications Episodes

Preview | Refresh (1:35 PM) | Select All | Deselect All | Review Selected | Side-by-Side | Synopsis

Filters Default filter Family Practice Initial Department Admissions Excl My Encounters

When	Type	With	Description
04/30/2020	Patient Message	FP - Shin, E	
04/26/2020	Office Visit	Audiology - McKinley, R	Abnormal otoacoustic emission
Admission for tonsillitis			
03/20/2020	ED	EM - Alice Tsui, MD	Acute tonsillitis due to infectiou
03/05/2020	Office Visit	FP - Jones, J	Bilateral low back pain without



It's Easier to Tell When a Toolbar Button is Selected

Key Benefits

- Easily Visible in Clinical Toolbars

Description:

A check box or radio button now appears on many toolbar buttons throughout Epic on your workstations so it's easy to tell when a button has been selected.

ToothChart

Hard Tissue Periodontal Filters





Add SmartPhrases to Your Notes Using SmartLists

Key Benefits

- More Efficient

Description:

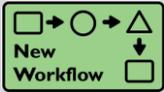
You can now use **SmartLists** to insert **SmartPhrases** into your documentation, making it possible to quickly and efficiently customize documentation to suit the needs of the situation without needing to remember or look up needed **SmartPhrases**.

The screenshot shows the 'User SmartList - sgnMyProc [12833]' interface. It features a table with columns for 'Choice' and 'Default?'. The 'Choice' column contains entries like '{:PHR,ENDOSCOPY}', '{:PHR,COLONSCOPY}', and '.erc'. A dropdown menu is open for the '.erc' entry, displaying a list of SmartPhrases with columns for 'Name' and 'Description'. The 'Name' column includes '☆ ERCD', '☆ ERCIMGFINDINGS', and '☆ ERCIMGPROC'. The 'Description' column includes 'ERCD on @TODAYDATE@', 'Breast imaging density and findings', and 'Displays the procedure associated with the current order or all linked orders.' A 'Settings' panel is visible on the right side of the interface.

Choice	Default?
{:PHR,ENDOSCOPY}	
{:PHR,COLONSCOPY}	
.erc	<input type="checkbox"/>

Name	Description
☆ ERCD	ERCD on @TODAYDATE@
☆ ERCIMGFINDINGS	Breast imaging density and findings
☆ ERCIMGPROC	Displays the procedure associated with the current order or all linked orders.





Create New Medication Orders When Administering the Same Medication by a Different Route

Key Benefits:

- Improved Workflow

Description:

If you are administering a medication multiple times during a procedure by different routes, make sure to create a new order for each new route. That way, each route gets its own row on the grid so that you can clearly see them when reviewing medication administration information

The screenshot shows the Epic medication administration interface for fentaNYL (SUBLIMAZE) Injection. At the top, it displays the medication name, a total dose of 25 mcg, and the last action: 25 mcg given at 1552. Below this is a timeline grid with time slots from 1538 to 1558. The 1558 slot is highlighted in blue and contains the number 25. A red box highlights the 'Route' dropdown menu, which is currently set to 'Intrathecal'. To the right, the 'Providers' section shows the medication was ordered and authorized by 'Anesthesiologist Anesthesia, MD'. Below that is a 'Reminders' section with an 'Add Reminder' button. The main 'Admin' panel includes a 'Unit' dropdown set to 'mcg', a 'Dose (mcg): 25' field, and a 'Rate (mL/hr)' field. A numeric keypad is visible with the number 25 entered. The 'Action' dropdown is set to 'Given'. Below the keypad, there are 'Given over' options (1 min, 2 min, 3 min, Other) and an 'Administering user' dropdown set to 'Model Crna'. A 'Link Line' button and a '+ Comment' field are also present.





Document Medication Administrations in the Improved Admin Form

Key Benefits

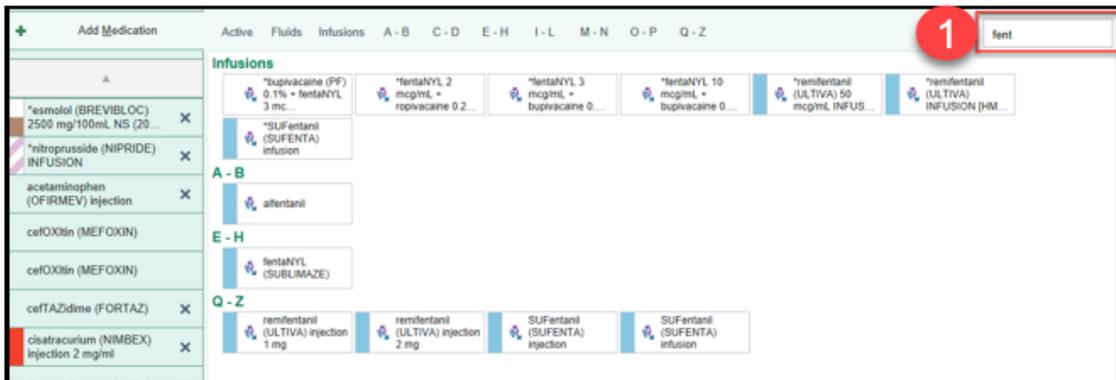
- Improved Communication

Description:

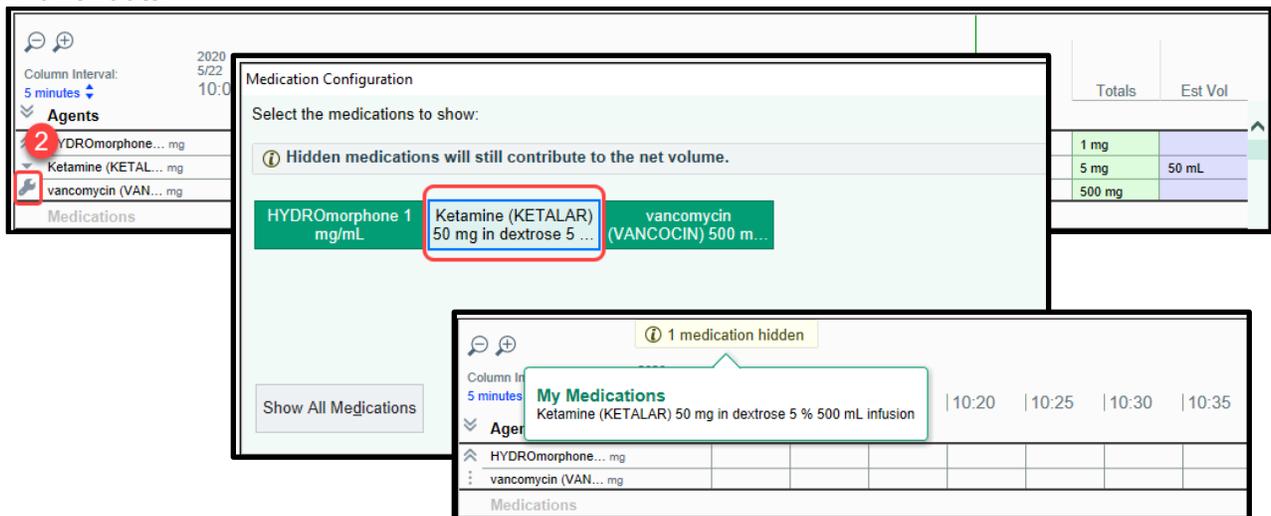
The Admin form in the Medication Administration window has a new look and feel.

Search for Medications

1. Enter the first few letters of a medication in the **Search** field to start searching.
 - Results appear as you type based on partial matches.
 - Results are sorted into categories.

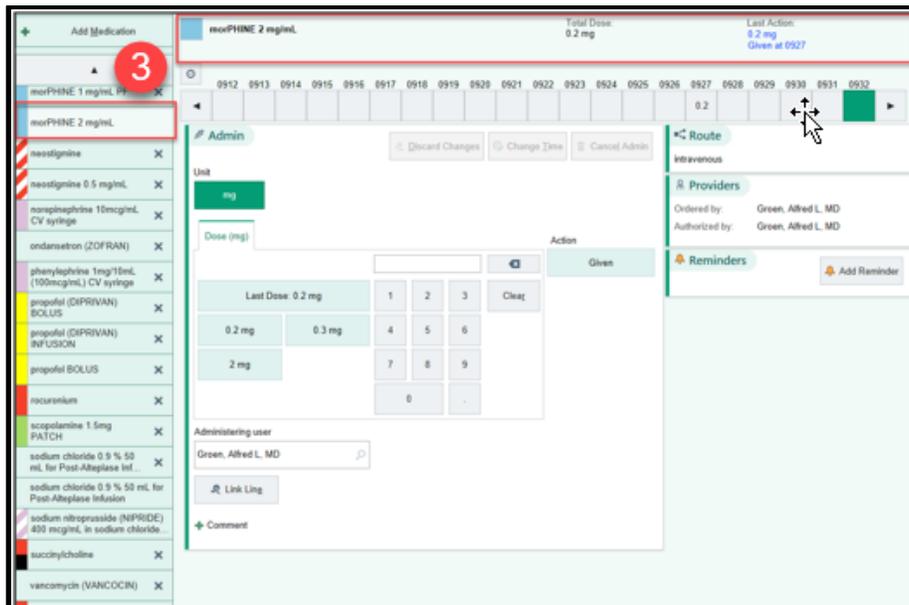


2. Click the **wrench** to hide medications from the **Intraoperative** activity's timeline, just like you do for flowsheets.



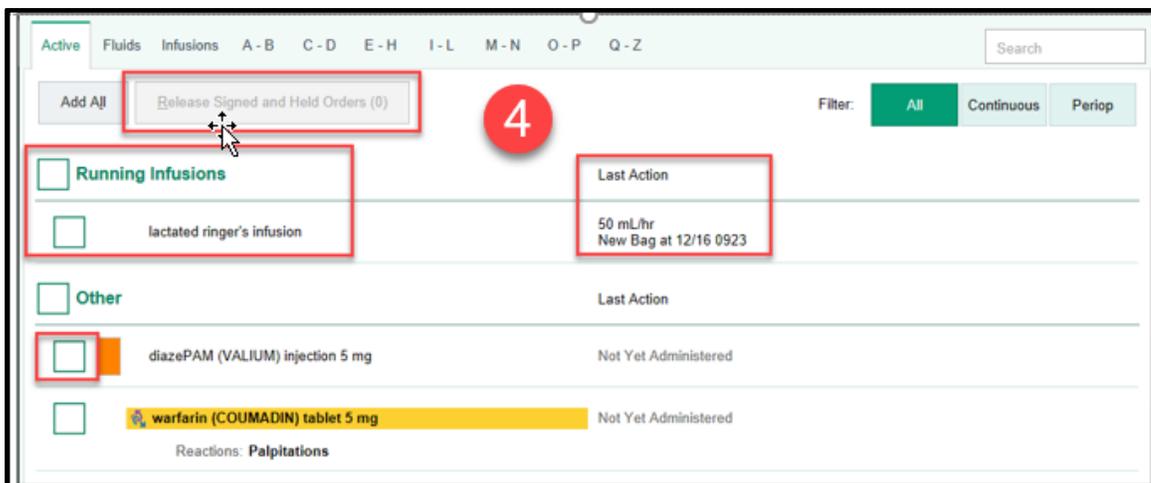
Select a Medication

- Click the **Last Action** link to see more detailed administration documentation.
 - In the list of medications on the left side of the window, your selected medication is highlighted to make it easier to see.
 - Total dose and last administration information are available in the header.



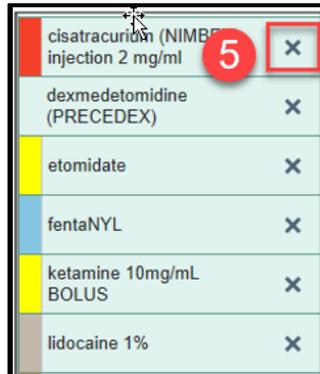
Active Medications Tab

- Tap **Release Signed and Held Orders** to release orders.
 - More information is available for medications on the **Active** tab.
 - Any currently running infusions appear at the top of the list.
 - Details about the last administration appear next to the medication name.
 - You can pick several medications at once using the checkboxes to the left of the medication name to add them to the grid.



Remove a Medication from Order Strip

5. You can remove medications from the grid if not administering by clicking .
- If the medication was already administered,  does not appear.
 - Medications on the Order Strip are sorted to match the sorting on the timeline.

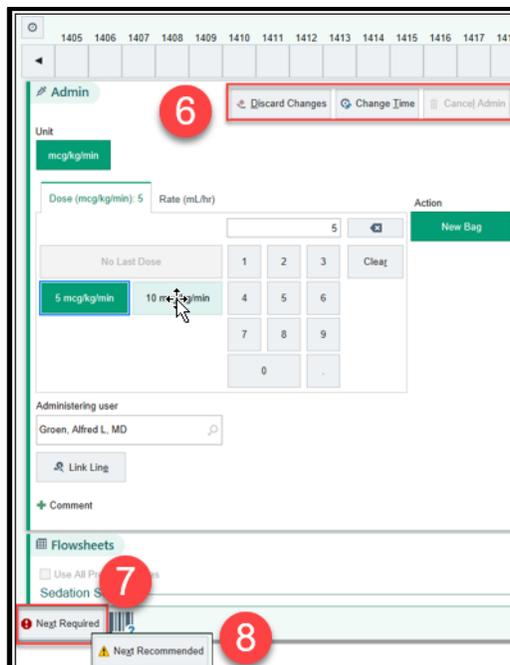


Make Changes to Administration Documentation

6. Discard Changes, Change Time or Cancel Admin all from one view.

Quickly Jump to Next Required Field

7. If the medication you selected has required fields, you can quickly jump to the next required field by tapping **Next Required**.
8. After all the required fields are filled out, if there are any recommended fields left, the button changes to **Next Recommended**.



Review Interaction Warnings

9. Interaction warnings visible in more places to view before administering medications.

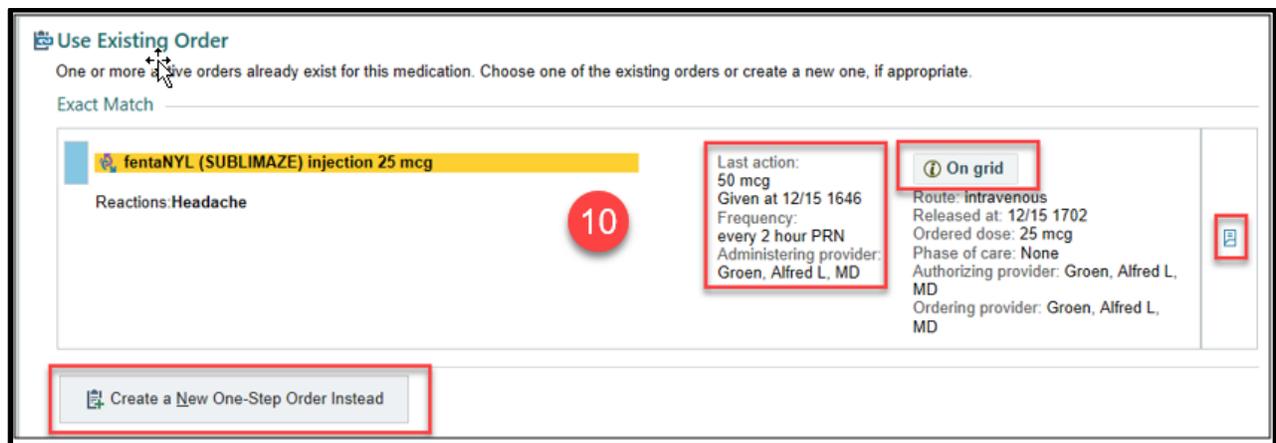
-  icon appears on **Order Strip** and **Admin** form.
- Tap  to see more details.
- Tap  on the interaction warning to see more information.



Link New Medication to an Already Active order

10. If selected order matches an active order, then the matching active medication order appears in **Med Admin** window.

- If the medication is already on the grid, then the **On grid** icon will display.
 - Last admin information available.
 - Can see more details by clicking
 - Can create new order instead of using existing.



Switch Between Bolus and Continuous Administrations

11. Bolus and continuous administration of the same medication appear on the same line.

Column Interval:	2020	12/16										Totals	Est Vol
5 minutes	10:00	10:05	10:10	10:15	10:20	10:25	10:30	10:35	10:40	10:45			
ondansetron (ZO... mg													
phenylephrine 1... mcg													
propofol BOLUS mg													
rocuronium mg													
scopolamine 1... patch													
sodium chlorid... mL/hr					10 mL				20			15.67 mL	15.67 mL

12. Use Anesthesia Volume Adjustment to switch from dose or rate-based administration to volume.

Unit: mL, mL/kg, mL/hr, mL/kg/hr

Dose (mL/hr) Rate (mL/hr) Action

Last Dose: 20 mL/hr

Buttons: 1, 2, 3, 4, 5, 6, 7, 8, 9, Clear, Rate Change, New Bag, Stopped, **Anesthesia Volume Adjustment**

Edit the Components of a Mixture Medication

13. Review/change Mixture Components.

*nitroprusside (NIPRIDE) INFUSION

Total Dose: — Last Action: Not Yet Administered

Unit: mcg/kg/min

Dose (mcg/kg/min) Rate (mL/hr) Action

No Last Dose

Mixture Components

Medications: sodium nitroprusside 25 mg/mL solution (mcg/mL)

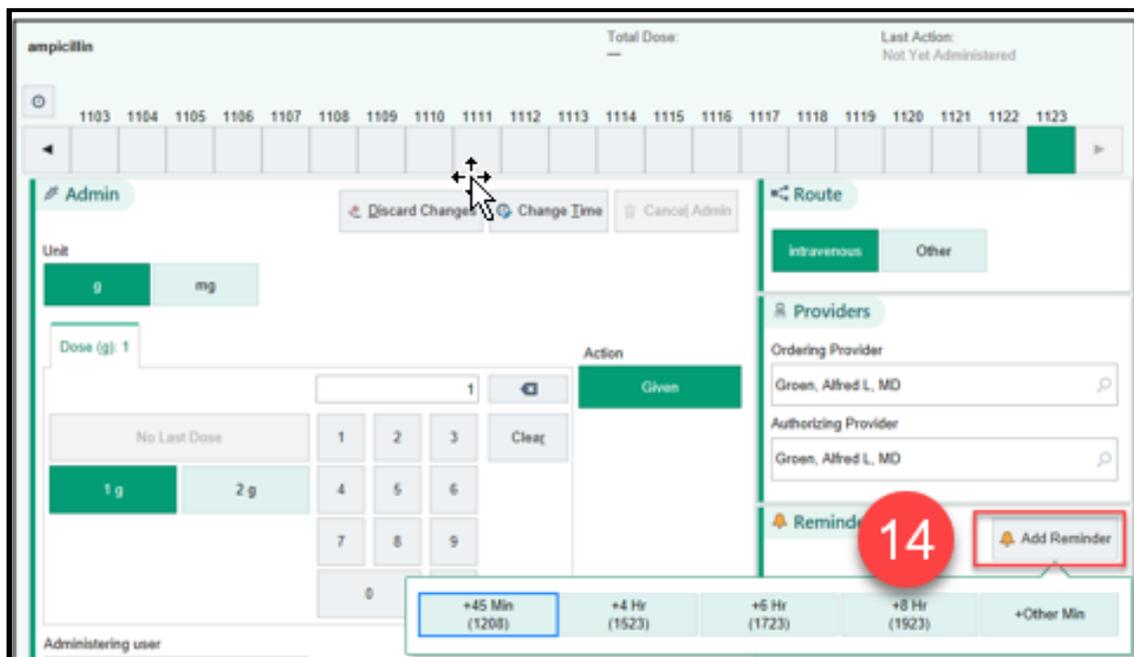
Bases: dextrose 5% parenteral solution (mL)

Order Volume: 250 mL

Buttons: Discard Changes, Change Time, Cancel Admin, New Bag, Weight (kg), >



14. Add dosing reminder



15. Select a Patient Weight for Weight-Based Medication Doses.

