


Medication Administration Tasks

- When a scheduled medication is due a task becomes available below the appropriate date/time column.
- The cell will have a dark blue background.
- Administration tasks sit on the same row in the column to the right of the order details
- The task will display the **ordered dose**, a status of “ **Last administered Dose**”, “**Not previously given** ” or “**Pending**”



Medications	2017-Jul-17 11:34	2017-Jul-17 10:45
furosemide		
 ceFAZolin (Ancef) 500 mg, IV, Injection, interval q8h, Start: 2017-Jul-17 10:45		500 mg Not previously given
ceFAZolin		
 LORazepam (Ativan Sublingual) 1 mg, SL, Tab SL, q1h interval, Start: 2017-Jul-17 10:45 **Request Refill**		1 mg Not previously given

OR

Continuous Infusions	
 Lactated Ringers 1,000 mL 125 mL/hr, IV, 1,000 mL, Start: 2017-Jul-17 10:32	Pending Last bag started: 2017-Jul-17 10:38

Documentation of medication administration is performed by:

1. Single clicking on this task or;
2. Right clicking on this task and selecting **Chart Details**

Medications	2013-Feb-22 16:09	2013-Feb-22 16:00	2013-Feb-22 15:18	20
 ipratropium (Atrovent MDI) 40 mcg (2 puff(s)), Inhalation, Inhaler, QID, Start: 2013-Feb-20 16:00		40 mcg Previous admin could not be determined.		
ipratropium				
 pantoprazole (Pantoloc) 20 mg, Oral, Tab EC, BID, Start: 2013-Feb-20 21:00				
pantoprazole				

- Order Info...
- Task Info...
- Chart Details...**
- Quick Chart...
- Chart Done...
- Chart Not Done...
- Unchart...
- Reschedule This Dose...

The MAR displays all of the medications ordered, administration tasks and charted medications that fall within a selected time frame.

2012-Oct-30 10:37 - 2012-Nov-05 09:37 (Clinical Range)					
Medications	2012-Nov-02 21:00	2012-Nov-02 16:00	2012-Nov-02 12:00	2012-Nov-02 11:08	2012-Nov-02 10:43
Scheduled					
cephalexin (Keflex) 500 mg, Oral, Tab, QID, Start: 2012-Nov-02 12:00	500 mg Last given: 2012-Nov-01 16:00	500 mg Last given: 2012-Nov-01 16:00	500 mg Last given: 2012-Nov-01 16:00		
cephalexin					

Current Date/Time

Tasks follow the Provincial Standard Frequency Times and the Provincial Custom Medication Administration Times

1) Scheduled Medications

- Scheduled medications include any medications that have a defined administration schedule.
- The default view displays up to 20 hours of future tasks from the current date/time.
- Scheduled medications cells are displayed in a light blue background.


Medications	2012-Nov-02 21:00	2012-Nov-02 16:00	2012-Nov-02 15:11
Scheduled			
cephalexin (Keflex) 500 mg, Oral, Tab, QID, Start: 2012-Nov-02 12:00	500 mg Last given: 2012-Nov-02 12:00	500 mg Last given: 2012-Nov-02 12:00	
cephalexin			

When a scheduled medication is due for administration


- A task becomes available below the appropriate date/time column.
- Scheduled tasks display in a dark blue box.
- The ordered dose displays in this cell.
- If the medication has never been administered, the task will display the notation “Not previously given” in the cell.

Medications	2017-Jul-17 11:34	2017-Jul-17 10:45
furosemide		
ceFAZolin (Ancef) 500 mg, IV, Injection, interval q8h, Start: 2017-Jul-17 10:45		500 mg Not previously given
ceFAZolin		
LORazepam (Ativan Sublingual) 1 mg, SL, Tab SL, q1h interval, Start: 2017-Jul-17 10:45 **Request Refill**		1 mg Not previously given

Multi-ingredient medications will display the dose in a quantity or volume ie: 1 tab(s), rather than the strength in the task cell ie: Tylenol #3


Medications	2013-Jan-04 12:00	2013-Jan-04 11:30	2013-Jan-04 11:10
Scheduled			
 APAP/caffeine/codeine (Tylenol #3) 2 tab(s), Oral, Tab, q6h interval, Start: 2013-Jan-04 11:10			2 tab(s) Not previously given
APAP/caffeine/codeine			
Primary Pain Intensity			

Range dose medications will display the dose range in the task cell.

 dimenhyDRINATE (Gravol inj) 25 - 50 mg Subcutaneous Injection, q4h timed, PRN for Nausea/Vomiting, Start: 2017-Jul-17 10:32 dimenhyDRINATE	PRN	25 - 50 mg Not previously given
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2) Unscheduled Medications

Unscheduled medications are one time orders that are not tied to a specific administration date or time.

Unscheduled	
 ceFAZolin (Ancef) 1,000 mg, IV, Injection, Unscheduled, Give on call to	1,000 mg Not previously given
OR - should be administered within 1 hour of surgical incision, Start: 2017-Jul-17 1...	
ceFAZolin	


Unscheduled Frequencies:

- “1 hour pre-op”,
- “2 hours pre-op”
- “Unscheduled”
- “Today”
- Since the administration date and time have not been defined, the task will be displayed in the current date / time (yellow) column

- Unscheduled medications are displayed in a light blue background with the task box displaying in dark blue (same as scheduled). The ordered dose will be displayed in the task cell.
- Once the medication administration has been documented, the order will auto discontinue, turn gray in colour and the charted details will be displayed under the “**Discontinued Unscheduled**” medication type.

3) PRN Medications

- PRN medications are displayed in a separate section of the MAR.
- They display with a green background.
- The notation “**PRN**” is displayed in the upper right corner of the medication order details.
- Since PRN medications are administered when required, the PRN task floats under the current date / time (yellow header) column.
- For a charted PRN task, the system displays the last date/time a dose was administered. If the medication has never been administered, the task will display the notation “**Not previously given**” in the cell.


Medications	2012-Nov-02 15:20	2012-Nov-02 15:16
PRN		
 PRN 2 tab(s) APAP/caffeine/codeine (Tylenol #3) Last given: 2012-Nov-02 10:38 2 tab(s), Oral, Tab, q4h interval, PRN for Pain, Start: 2012-Nov-02 10:42		
APAP/caffeine/codeine		
Primary Pain Intensity		

- When a PRN medication is charted as administered, the system generates another task for the current date/time with the last given date/time information in the new task box.

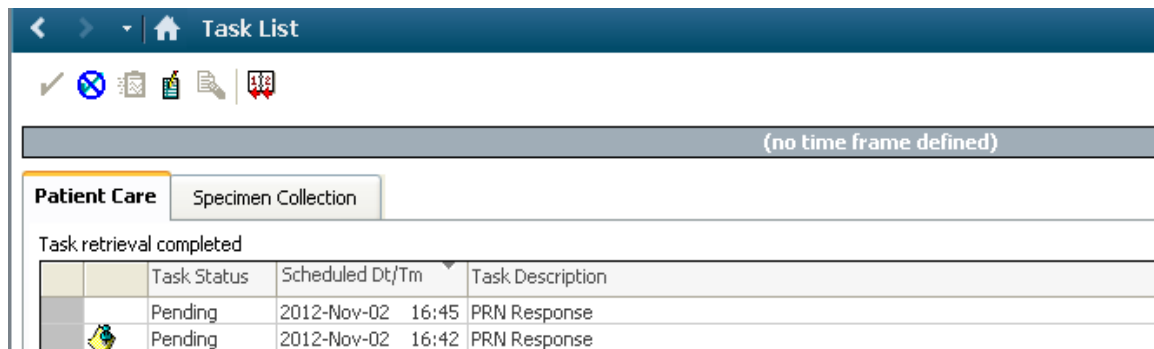
Medications	2012-Nov-02 16:42	2012-Nov-02 16:16	2012-Nov-02 16:15
 PRN 50 mg dimenhyDRINATE (Gravol inj) Last given: 2012-Nov-02 16:15 50 mg, IM, Injection, q4h interval, PRN for Nausea/Vomiting, Start: 2012-Nov-02 10:42			
dimenhyDRINATE			* 50 Auth (Verific

b) PRN Response

- Selected medications have been set up to require the Clinician to chart a response to the intervention at specific time intervals depending upon route of administration.
- The PRN response task is displayed in the corresponding time cell with a dark blue background
- After administration of the medication, the PRN response task will fire – IV – 5 minutes, all other routes – 30 minutes

Medications	2012-Nov-02 16:42	2012-Nov-02 16:12
 PRN APAP/caffeine/codeine (Tylenol #3) 2 tab(s), Oral, Tab, q4h interval, PRN for Pain, Start: 2012-Nov-02 10:42	PRN Response	2 tab(s) Last given: 2012-Nov-02 16:12
APAP/caffeine/codeine		* 2 Auth (Verified)
Primary Pain Intensity		7 Auth (Verified)

- This PRN response task displays on the MAR, PAL and Task List.
- Completing the PRN Response from any of these locations will automatically update the other tasks.



The screenshot shows the 'Task List' interface. At the top, there are navigation icons and a title bar. Below the title bar, there are several icons representing different task types. A grey bar indicates '(no time frame defined)'. Underneath, there are tabs for 'Patient Care' and 'Specimen Collection'. A message 'Task retrieval completed' is displayed above a table with the following columns: Task Status, Scheduled Dt/Tm, and Task Description. The table contains two rows of pending tasks.


Task Status	Scheduled Dt/Tm	Task Description
Pending	2012-Nov-02 16:45	PRN Response
Pending	2012-Nov-02 16:42	PRN Response

4) Continuous Infusions

- Are displayed in a separate section of the MAR, under the heading “**Continuous Infusions**” (except for Blood products).
- IV Bolus orders will appear in the “**Continuous Infusions**” section
- Continuous Infusions display with a light blue background
- Continuous task displays with at dark blue background (same as scheduled & unscheduled sections).

Medications	2012-Nov-02 16:42	2012-Nov-02 16:22	2012-Nov-02 16:15
Continuous Infusions			
NS IV Solution 1000 mL 75 mL/hr, IV, 1,000 mL, Start: 2012-Nov-02 10:43		Pending Not previously given	
Administration Informati			
Sodium Chloride 0.9% IV			

- The system displays the order ingredients and pertinent details, such as start date and time, rate, bag volume, and duration.
- When an order consists of multiple ingredients, each ingredient and its administered dose will be displayed on a separate blue line.

Medications	2012-Nov-02 16:42	2012-Nov-02 16:41	
Continuous Infusions			
 DOBUTamine (additive) 250 mg [2 mcg/kg/min... 8.4 mL/hr, IV, 250 mL, Start: 2012-Nov-02 16:40	Pending Last bag started: 2012-Nov-02 16:41		
Administration Informati	30 mL Bolus Auth (Beqin Baq 250 mL		
DOBUTamine	30 mg Auth (Verifi2 mcg/kg/min Auth		
Sodium Chloride 0.9% IV	30 mL Auth (Verifie		

- If a continuous infusion has not been documented on, the system displays a “**Pending**” status with the notation “**Not Previously Given**”.
- For a continuous infusion task which has been started, the system displays a “**Pending**” status with the date and time when the last IV event was charted.

Medications	2012-Nov-02 16:42	2012-Nov-02 16:23	2012-Nov-02 16:22
Continuous Infusions			
NS IV Solution 1000 mL 75 mL/hr, IV, 1,000 mL, Start: 2012-Nov-02 10:43		Pending Last bag started: 2012-Nov-02 16:22	
Administration Informati			Beqin Baq 1,000 m
Sodium Chloride 0.9% IV			

5) Discontinued/Cancelled/Voided/Completed Medications

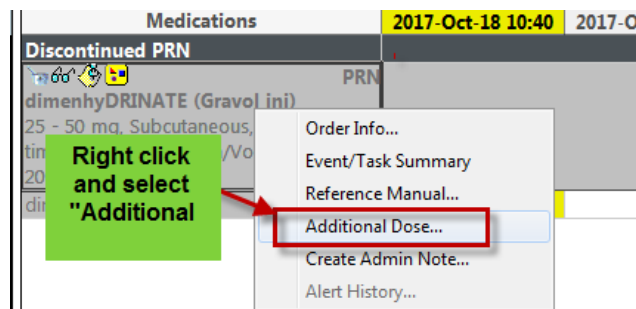
- Discontinued, Canceled, Voided, and Completed medication orders are displayed on a gray background and sorted at the bottom of the medication section

Time View	Medications	2012-Nov-02 16:33	2012-Nov-02 16:22
<input checked="" type="checkbox"/> Scheduled	Discontinued Scheduled		
<input checked="" type="checkbox"/> Unscheduled	acyclovir		
<input checked="" type="checkbox"/> PRN	1,000 mg, IV, Injection, q8h timed, Start: 2012-Sep-21 14:39		
<input checked="" type="checkbox"/> Continuous Infusions	acyclovir		
<input checked="" type="checkbox"/> Future	Sodium Chloride 0.9% IV		
<input checked="" type="checkbox"/> Discontinued Scheduled	cephalexin (Keflex)		
<input checked="" type="checkbox"/> Discontinued Unscheduled	500 mg, Oral, Tab, QID, Start: 2012-Nov-01 16:00		
<input checked="" type="checkbox"/> Discontinued PRN	cephalexin		
<input checked="" type="checkbox"/> Discontinued Continuous Infusions			

- Discontinued orders drop down into the appropriate discontinued medication section even if all the individual tasks have not been completed.
- These individual tasks will need to be addressed.
- If the individual tasks have not been completed, medication administration can still be charted for the discontinued orders.


Medications	2012-Nov-01 21:00	2012-Nov-01 16:45	2012-Nov-01 16:00
Discontinued Scheduled			
acyclovir			
1,000 mg, IV, Injection, q8h timed, Start: 2012-Sep-21 14:39			
acyclovir			
Sodium Chloride 0.9% IV			
cephalexin (Keflex)	500 mg		
500 mg, Oral, Tab, QID, Start: 2012-Nov-01 16:00	Last given: 2012-Nov-01 16:00		
cephalexin			500 Auth (Verified)


- “Additional Dose” is also available as a right click option from the medication details box.



Overdue Medication Administration Tasks

- Overdue medication tasks display with a red background.

Medications	2012-Nov-02 08:00	2012-Nov-01 21:00
 senna (Senokot) 17.2 mg, **Range Dose** - see comments, Oral, Tab, Bedtime, Start: 2012-Oct-29 21:00 May give range dose of 1... senna		17.2 mg Not previously given <div style="border: 2px solid red; padding: 5px; display: inline-block;"> Red Background </div>

- Use the alarm clock icon  next to the date/time range to jump to overdue medications outside of the current date/time range.

2012-Oct-30 16:33 - 2012-Nov-05 15:33 (Clinical Range)				
Time View	Medications	2012-Nov-02 21:00	2012-Nov-02 16:45	2012-Nov-02 16:42
<input checked="" type="checkbox"/> Scheduled <input checked="" type="checkbox"/> Unscheduled <input checked="" type="checkbox"/> PRN <input checked="" type="checkbox"/> Continuous Infusions <input checked="" type="checkbox"/> Future	Scheduled  amoxicillin-clavulanate 500 mg, Oral, Tab, TID, Start: 2012-Nov-02 15:16 amoxicillin-clavulanate	500 mg Previous admin could not be determined.		

- Overdue medications:
 - Stat** tasks display in red upon ordering
 - All Scheduled medication tasks go overdue **90 minutes** from the task start time and will display in a red task box.
- It is critical to deal with tasks that become overdue.** The Clinician needs to make a clinical decision as to what they will do:
 - Chart on the overdue task indicating the time it was given.
 - Dose can be charted **“Not Done”** or **“Not Given”**;
 - Dose can be rescheduled for a later date/time

Future Tasks –

Future Administration Times

Only the current administration task can be charted from the MAR.

- Will display as inactive (purple color) until an action is taken on the current administration.
- Future tasks will display with a purple background.
- Medication cell will remain blue

Medications	2023-Apr-15 08:00	2023-Apr-14 18:00	2023-Apr-14 17:00	2023-Apr-14 12:56
atorvastatin				
insulin lispro (Humalog insulin) 4 unit(s), Subcutaneous, Injection, Morning, + LOW DOSE correction, Start:2023-Apr-13 10:10 2023-Apr-03 10:10 *Low Dose Correction* INCREASE	4 unit(s) Last given: 6 unit(s) @			
insulin lispro				
MAR Glucose Verify				
insulin lispro prandial dose (units)				
insulin lispro correction (units)				
insulin lispro total given (units)				
metformin 500 mg, Oral, Tab, BID, Start: 2023-Apr-06 17:00 Hold for iodinated contrast study	500 mg Not given within 31 days.		500 mg Not given within 31 days.	
metformin				
MAR Glucose Verify				

Rejected Medication Tasks


1) Rejected by Pharmacy




Administration tasks become available as soon as a medication is ordered.

Pharmacists verify the order and may reject it in situations where their clinical judgment deems this action to be inappropriate. This may include, but not be limited to, the following scenarios:

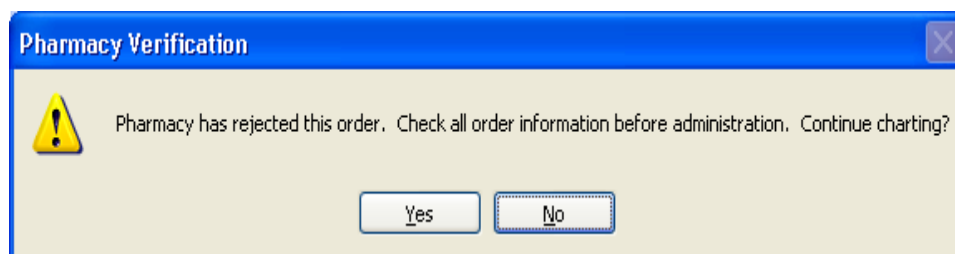
1. Inappropriate dose
2. Wrong drug
3. Contraindicated drug interaction
4. Allergy
5. Wrong patient

When an order is rejected, the pharmacist will advise the nursing unit and/or physician.

Rejected tasks will have a Pharmacy reject icon  in the task box. **This alerts the clinician not to give the medication.** Further investigation is required (call Pharmacy or Physician to clarify).

Medications	2012-Nov-05 21:00	2012-Nov-05 16:00	2012-Nov-05 15:40
 docusate (Colace) 100 mg, Oral, Cap, TID, Start: 2012-Nov-05 10:44 docusate			


If Pharmacy rejects the medication order prior to the nurse documenting administrations, the following warning message will be displayed:



To document a medication that has been rejected by pharmacy click on the “Yes” button to open the medication administration charting window. Pharmacy should be contacted immediately.

2) Rejected by Physician

When a medication order has been rejected by the co-signing Physician for any reason

the  icon appears on the orders page to the left of the order name.

Orders Medication List

Display: all orders 5 days back with children

Order Name	Status	Details	Ordering Physician
warfarin	Ordered	5 mg, Oral, Tab, Daily, Start: 2013-Feb-22 18:00	Test, CPOE Physician, MD
gentamicin	Ordered	80 mg, IV, Injection, interval q8h, NOW, Start: 2013-Feb-22 16:11 pre (trough) and post (peak) levels prior to and after the 4th or 5...	Test, CPOE Physician, MD

Hover over the icon to view the icon details.


gentamicin













































Notifications:

- This order is yet to be verified by a pharmacist.
- The ordering physician has refused to cosign this order.**
- This order is yet to be reviewed by a nurse.

Important Note: Medications rejected by a Physician will remain active on the MAR until they are addressed and manually cancelled from the orders page


Modified Medications

- Modifications to scheduled orders are shown with a yellow delta  above the first dose to be administered after the date and time of the order modification.


Medications	2012-Nov-01 21:00
Scheduled	
                     	2012-Nov-01 21:00
Scheduled	
                     	

Charted Medication Administrations



- The MAR will automatically refresh every five minutes.
- When the MAR refreshes, the next dose due will appear at the top of the page.
- The charted administration details display below the order detail cell in the appropriate time column.

Medications	2013-Feb-22 16:11
 gentamicin 80 mg, IV, Injection, interval q8h, NOW, Start: 2013-Feb-22 16:11 pre (trough) and post (peak) levels prior to and afte...	
gentamicin	80 mg Auth (Verifi

- When an order consists of multiple ingredients, each ingredient and its administered dose will be displayed.

Medications	2012-Nov-05 15:52	2012-Nov-05 15:51
 diltiazem (additive) 100 mg [5 mg/hr] + D5W ... IV, 100 mL, Start: 2012-Nov-05 15:50	Pending Last bag started: 2012-Nov-05 15:51	
Administration Information Rate Change 6 mL, Begin Bag 100 mL		
diltiazem	6 mg/hr Auth (Ver	5 mg/hr Auth (Ver
Dextrose 5% in Water		

- You can access the administration details by right clicking on the documented administration results.

2013-Feb-02 09:46 - 2013-Feb-08 09:46		
Medications	2013-Feb-05 08:00	2013-Feb-05 07:00
 furosemide (Lasix) 40 mg, IV, Injection, QID, Start: 2013-Jan-09 11:46		
furosemide	40 mg Au	
 ceFAZolin (Ancef) 500 mg, IV, Injection, q8h timed, Start: 2013-Jan-09 11:43		
ceFAZolin		

View Details...

View Comments...

View Order Info...

Add Comment...

Modify...

Unchart...

Forward/Refuse...