

NIH Clinical Center CIO Newsletter

February 29, 2008

Special Edition - Pharmacy

This is a special edition of a broadcast email to the CRIS user community about CRIS pharmacy orders capabilities and issues. In addition to the text version in this email, I've attached a PDF version that can be printed. I look forward to receiving your comments or suggestions at CIOnewsletter@cc.nih.gov

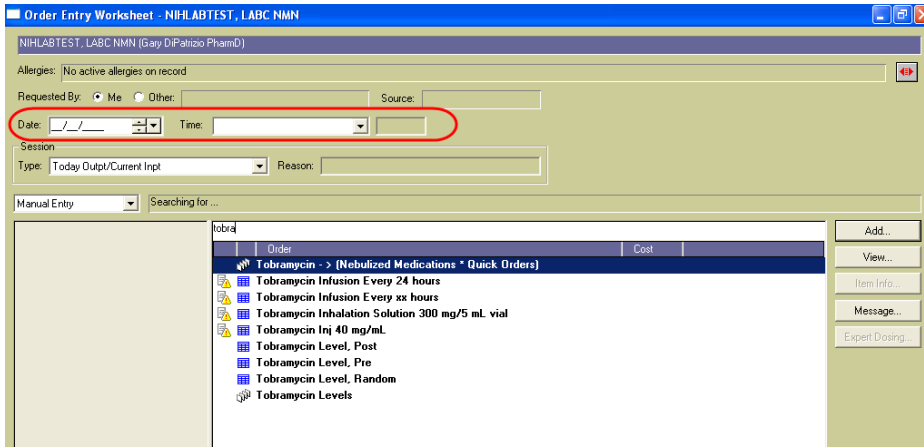
Topics

- How to enter a start date for items without a start date in order sets.
- Ordering Take Home Medications in the Correct Session Type.
- Order Forms for Medications
- Outpatient Clinic Orders and the Worklist Manager
- Order Entry Enhancement for Medication Items Requiring Conversion

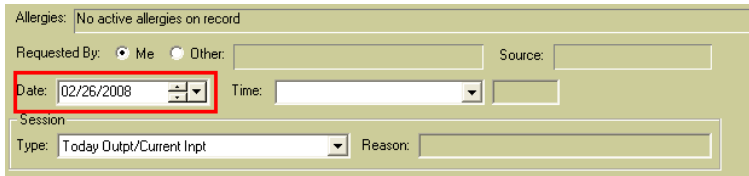
How to enter a start date for items without a start date in order sets.

Setting a 'Date' on the 'Order Entry Worksheet' header can help speed up the order entry process. Setting the 'Time' field on the 'Order Entry Worksheet' is not recommended. The 'Time' field sets the order priority on the order forms and priority types differ from medications to diagnostics and it may not be clinically appropriate to start and give all medications and diagnostics at the same time. Prescribers should review and set medication start times where clinically appropriate.

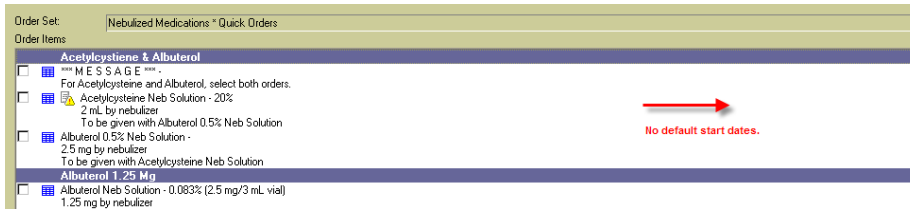
When you open the 'Order Entry Worksheet', the prescriber has the option to specify a 'Date' and 'Time' for use when a catalog item does not have a start date defaulted.



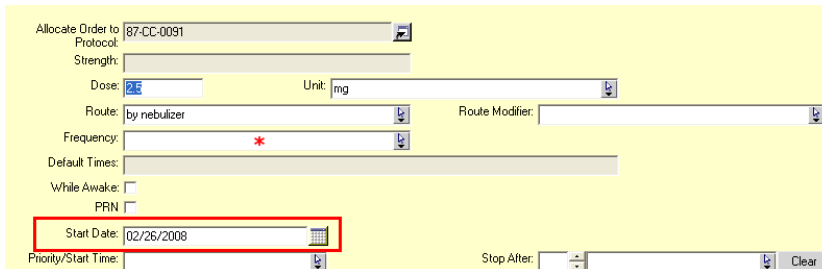
Select the clinically appropriate 'Date' for the current patient context.



When you enter into an order set, you may notice that some items do not have a preconfigured start date. Some order sets may have a 'T' which represents today.



If you click on an item, you will see that your start date is populated into the order.

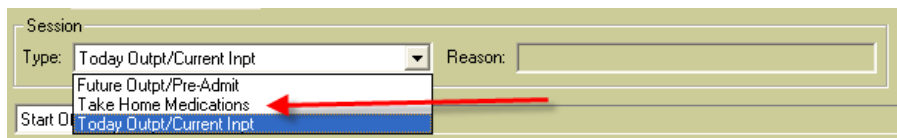


Ordering Take Home Medications in the Correct Session Type

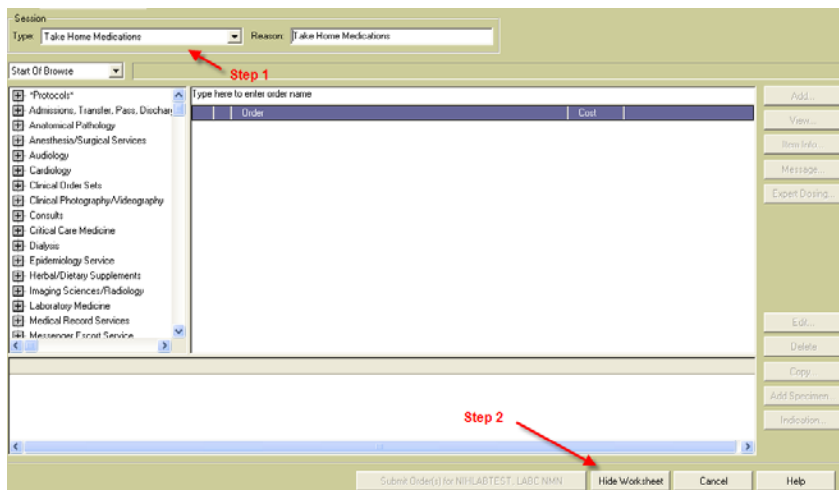
In CRIS, medications that are to be dispensed by the Outpatient Pharmacy MUST be entered in the 'Take Home Medications' session type to allow these orders to print correctly in the Outpatient Pharmacy and to function properly in CRIS.

Please note that you should not enter different session type orders (i.e. Current Inpatient/Today Outpatient and Take Home Medications) at the same time. These must be entered separately.

To enter a NEW 'Take Home Medication' order, please select the 'Take Home Medication' session type BEFORE the orders are processed. This can be done at the start of order entry or just prior to submitting the orders.



For reordering 'Take Home Medication' orders, you will need to open the 'Order Entry Worksheet' first, choose the 'Take Home Medication' session type, then and 'HIDE' the worksheet.



From this point, you can proceed to reorder from the orders tab as you normally would by either right clicking on the order and choosing reorder or DC/Reorder, or from the reorder button.

Additionally, CRIS will be updated in March to provide additional information to help ensure the order goes to the correct session type.

- If a 'Take Home Medication' session is selected, the 'Required for Study', 'quantity' and 'take-home units' fields will be required entries.
- The 'Take Home' checkbox field is no longer required, only choosing the correct session type.
- For the session types, 'Today Outpt/Current Inpt' and 'Future Outpt/Pre-Admit', the 'Take Home' section in the medication forms will be cleared and hidden.

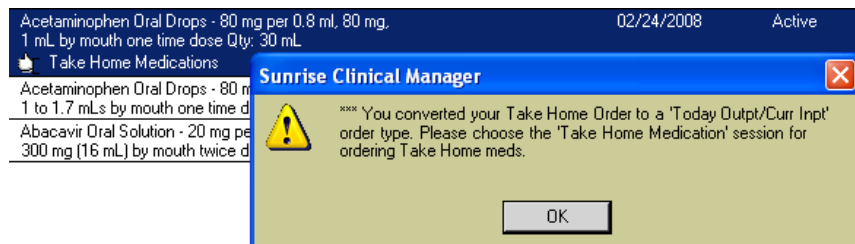
Allocate Order to Protocol: 05-AT-0047

Usual Peds Dose: 10-15 mg/kg/Dose MAX = 650 mg/Dose
 MAX Peds Daily Dose: 75 mg/kg/Day MAX = 4 grams/Day
 MAX Adult Daily Dose: 4 grams/Day

Strength: 80 mg per 0.8 ml
 Low Dose: 30 High Dose: Unit: mg
 Volume per Dose: 1 mL
 Route: by mouth Route Modifier:
 Frequency: one time dose
 Default Times: Nurse to schedule.
 PRN
 Start Date: 02/24/2008
 Priority/Start Time: Stop After: Clear
 Admin Instructions: Pharmacy Instructions:
 Nurse to admin from Pt. supply: Pt. may admin from own supply:
 TAKE HOME MEDS: ***** This a 'Today Outpt/Curr Inpt' or 'Future Outpt/Pre-Admit' order *****

Since the session is not a 'Take Home Medication' session, the Take Home section is hidden.

- CRIS will provide an alert if you convert from a 'Take Home Medication' session type to a 'Today Outpt/Current Inpt' or 'Future Outpt/Pre-Admit' session type



If you receive this alert and want to continue ordering in the Take Home Medications session type, you should click 'OK', delete that order, and select the Take Home Medication session type first. Otherwise, any 'Quantity' and 'Take home units' information will be cleared out.

Order Forms for Medications

The order entry forms for medications may require additional information from both the prescribers and from pharmacists. CRIS will be updated in March to make the forms more streamlined based on the workflow and the type of user entering orders.

- As noted in the 'Take Home' update, the group of fields for 'Take Home' section will only be displayed in the 'Take Home Medication' session type.
- Upon first entry into medication order forms, the 'Pharmacy Only' section will be hidden except for pharmacists.

With these changes, the goal is to improve the order entry process by only focusing on the fields necessary for that order entry session.

Outpatient Clinic Orders and the Worklist Manager

CRIS will be updated in March to require the prescriber to determine the specific length of therapy required for their patients when they are in the Outpatient setting. For example, if a patient arrives to the clinic and is to receive a medication every 8 hours, and if the patient will only be here for the day, the prescriber will be required to state that the order should stop after 2 or 3 times.

Example:

The screenshot displays a medication order form with the following fields and values:

- Stop After:** A field with a red asterisk, a spinner control, and a 'Clear' button.
- Frequency:** A dropdown menu set to 'every 8 hours'.
- Default Times:** A text box containing '06:00; 14:00; 22:00'.
- PRN:** A checkbox that is currently unchecked.
- Start Date:** A date field set to '02/24/2008' with a calendar icon.
- Priority/Start Time:** A dropdown menu.
- Stop After:** A field with a spinner control set to '3', the text 'Times', and a 'Clear' button.

The stop after field will not be required for one time orders or prn orders. For Inpatient orders, the field will be required for orders with a frequency of <QxM> (every x minutes).

Order Entry Enhancement for Medication Items Requiring Conversion.

Similar to the functionality with tablets/capsules, the order forms for liquids, inhalers, topical, and other items that require an equivalent text field will be updated in March to do this calculation automatically. For example, in liquid orders, the 'Volume per Dose' will be automatically calculated.

The screenshot displays a medication order entry form with the following fields and values:

- Allocate Order to Protocol: 87-CC-0091
- Usual Peds Dose: 10-15 mg/kg/Dose MAX = 650 mg/Dose
- MAX Peds Daily Dose: 75 mg/kg/Day MAX = 4 grams/Day
- MAX Adult Daily Dose: 4 grams/Day
- Strength: 80 mg per 0.8 ml
- Low Dose: 80 High Dose: 120 Unit: mg
- Volume per Dose: 1 to 1.5 mLs (highlighted with a red box)
- Route: by mouth Route Modifier: