



AppBar PROD



Firstnet PROD



Powerchart PROD



Surginet PROD

Cerner 2012.01.22

Medication Workflows

- External Order History
 - E-Prescribing

External History

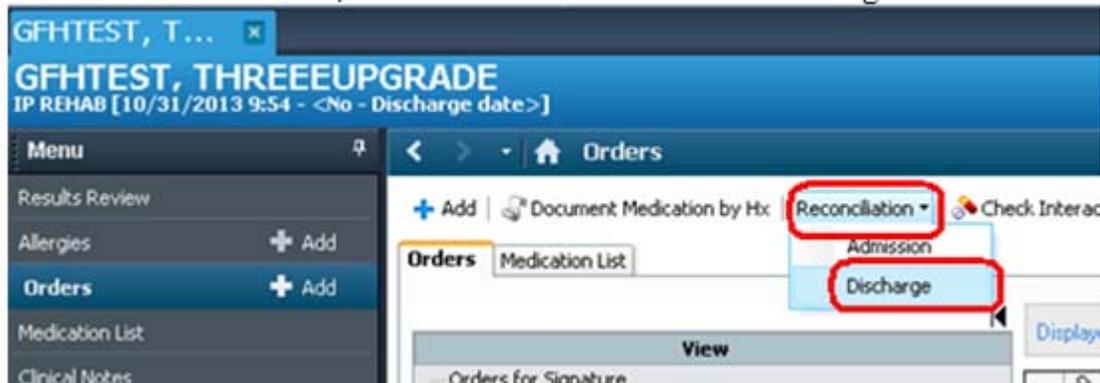
- Check the **External Rx History** by clicking on the button while in Orders. There is a disclaimer that this **MIGHT NOT BE COMPLETE**. One can choose the time frame for the search in the display drop window.

The screenshot shows the 'External Rx History' window in a medical software interface. The window title is 'External Rx History' and it contains a disclaimer: 'This Rx history contains prescription records provided by community pharmacies and pharmacy benefits managers (PBM's). Such Rx history may be incomplete and prescriber should not rely solely on this Rx history data to make any clinical decisions. It is the responsibility of the prescriber to validate and verify the information directly with the patient or via other appropriate means.' Below the disclaimer, there is a dropdown menu for 'Rx history display:' with options: 'All', 'Last 3 Months', 'Last 6 Months', 'Last 12 Months', 'Last 18 Months', and 'Last 24 Months'. The 'All' option is selected. To the right, it says 'Rx history as of: 12/10/2013 12:09:55'. There is also a checkbox for 'Show individual instances of external Rx medication history.' Below this is a table with columns: 'Rx Medication', 'Date Written', 'Last Fill', 'Quantity', and 'SSG'. The table contains three rows of medication data. At the bottom right, there is a 'Show More Medications...' link and a 'Close' button.

Rx Medication	Date Written	Last Fill	Quantity	SSG
DIGITEK 125 MCG TABLET		12/10/2013	30 unknown unit	SSG
CRESTOR 10 MG TABLET		11/01/2013	30 unknown unit	
amitriptyline-chloridazepoxide AMITRIPTYLINE/CHLOR DIAZEPOXIDE ORAL T...		11/01/2013	30 unknown unit	
pantoprazole MED 1 for 127 on 20120208	02/08/2013	02/08/2013	30 unknown unit	TAKE 1 TABLET EVERY DAY

E-Prescribing (1 of 10 slides)

- During the Discharge Reconciliation, E-Prescribing is now an all-inclusive workflow.
- From the Order Screen, use the **Reconciliation** and **Discharge** buttons.



E-Prescribing (2 of 10 slides)

- Whenever possible, please select the medications from the pre-populated discharge folder. These medications have clinically appropriate order sentences built into the system.

Advair Diskus 100 mcg-50 mcg inhalation powder	Fagyl 500 mg oral tablet	nystatin 100,000 units/g topical cream
Advair Diskus 250 mcg-50 mcg inhalation powder	Fleet Enema 7 g-19 g rectal enema	nystatin 100,000 units/g topical ointment
Ambien 5 mg oral tablet	Flexeril 10 mg oral tablet	nystatin 100,000 units/g topical powder
albuterol 0.083% (2.5 mg/3 mL) nebulizer solution	Flomax 0.4 mg oral capsule	Oxygen (Home Therapy)
albuterol 0.042% (1.25 mg/3 mL-Accuneb Peds) nebulizer so...	folic acid 1 mg oral tablet	Percocet 5/325 oral tablet
albuterol-pratropium (Duoneb) 2.5 mg-0.5 mg/3 mL nebulize...	<input type="checkbox"/> Glucophage 500 mg oral tablet	Plavix 75 mg oral tablet
albuterol CFC 90 mcg/inh MDI	<input type="checkbox"/> Glucophage 850 mg oral tablet	predniSONE 5 mg oral tablet
Ambien 10 mg oral tablet	<input type="checkbox"/> Glucophage 1000 mg oral tablet	predniSONE 10 mg oral tablet
amoxicillin 250 mg oral capsule	<input type="checkbox"/> Glucophage XR 500 mg oral tablet, extended release	Prilosec 20 mg oral delayed release capsule
Amoxil 125 mg/5 mL oral liquid	<input type="checkbox"/> Glucophage XR 750 mg oral tablet, extended release	Prilosec 40 mg oral delayed release capsule
Amoxil 250 mg/5 mL oral liquid	hydrochlorothiazide 12.5 mg oral capsule	Spiriva 18 mcg inhalation capsule
Arixtra 2.5 mg/0.5 mL subcutaneous solution	hydrochlorothiazide 25 mg oral tablet	<input type="checkbox"/> Toprol-XL 25 mg oral tablet, extended release
<input type="checkbox"/> aspirin 81 mg oral tablet	hydrochlorothiazide 50 mg oral tablet	<input type="checkbox"/> Toprol-XL 50 mg oral tablet, extended release
<input type="checkbox"/> aspirin 81 mg oral tablet, chewable	Lanoxin 125 mcg (0.125 mg) oral tablet	<input type="checkbox"/> Toprol-XL 100 mg oral tablet, extended release
<input type="checkbox"/> aspirin 81 mg oral delayed release tablet	Keflex 500 mg oral capsule	<input type="checkbox"/> Toprol-XL 200 mg oral tablet, extended release
<input type="checkbox"/> aspirin 325 mg oral tablet	lactobacillus acidophilus oral tablet	Tylenol 325 mg oral tablet
<input type="checkbox"/> aspirin 325 mg oral delayed release tablet	Lanoxin 250 mcg (0.25 mg) oral tablet	Tylenol 500 mg oral tablet
Ativan 0.5 mg oral tablet	Lasix 20 mg oral tablet	Ultram 50 mg oral tablet
Ativan 1 mg oral tablet	Lasix 40 mg oral tablet	Vibramycin 100 mg oral capsule
Augmentin 125 mg-31.25 mg/5 mL oral liquid	Lasix 80 mg oral tablet	Vicodin 5 mg-500 mg oral tablet
Augmentin 250 mg-62.5 mg/5 mL oral liquid	Levaquin 250 mg oral tablet	Vicodin ES 7.5 mg-750 mg oral tablet
Augmentin 500 mg-125 mg oral tablet	Levaquin 500 mg oral tablet	Vitamin C 250 mg oral tablet
Augmentin 875 mg-125 mg oral tablet	<input type="checkbox"/> Lopressor (metoprolol tartrate) 25 mg oral tablet	Vitamin C 500 mg oral tablet
Bactrim DS 800 mg-160 mg oral tablet	<input type="checkbox"/> Lopressor 50 mg oral tablet	Xanax 0.25 mg oral tablet
calcium carbonate 500 mg oral tablet, chewable	<input type="checkbox"/> Lopressor 100 mg oral tablet	Xanax 0.5 mg oral tablet
calcium carbonate 1250 mg/5 mL oral suspension	Lortab 5/500 oral tablet	Zestril 2.5 mg oral tablet
Caltrate 600 mg oral tablet	Lovenox 30 mg/0.3 mL injectable solution	Zestril 5 mg oral tablet
Caltrate 600 with D oral tablet	Lovenox 40 mg/0.4 mL injectable solution	Zestril 10 mg oral tablet
Claritin 10 mg oral tablet	Medrol Dosepak 4 mg oral tablet	Zestril 20 mg oral tablet
Colace 100 mg oral capsule	Milk of Magnesia 8% oral suspension	Zestril 40 mg oral tablet
<input type="checkbox"/> morphine 20 mg/mL oral CONCENTRATE	Motrin 400 mg oral tablet	Zocor 5 mg oral tablet
Coumadin 1 mg oral tablet	Motrin 600 mg oral tablet	Zocor 10 mg oral tablet
Coumadin 2 mg oral tablet	Motrin 800 mg oral tablet	Zocor 20 mg oral tablet
Coumadin 2.5 mg oral tablet	Naprosyn 250 mg oral tablet	Zocor 40 mg oral tablet
Coumadin 3 mg oral tablet	Naprosyn 375 mg oral tablet	Zocor 80 mg oral tablet
Coumadin 4 mg oral tablet	Naprosyn 500 mg oral tablet	Zofran 4 mg oral tablet
Coumadin 5 mg oral tablet	Nexium 20 mg oral delayed release capsule	Zofran 8 mg oral tablet
Coumadin 6 mg oral tablet	Nexium 40 mg oral delayed release capsule	Zofran ODT 4 mg oral tablet, disintegrating
Coumadin 7.5 mg oral tablet	nitroglycerin 0.4 mg sublingual tablet	Zofran ODT 8 mg oral tablet, disintegrating
Diffucan 100 mg oral tablet	Norco 5 mg-325 mg oral tablet	
Dilantin Infatabs 50 mg oral tablet, chewable	Norco 10 mg-325 mg oral tablet	
Dilantin Kapseals 100 mg oral capsule, extended release	Norvasc 2.5 mg oral tablet	
Dilantin-125 oral suspension	Norvasc 5 mg oral tablet	
DME Home Supply	Norvasc 10 mg oral tablet	
DO NOT take these medications anymore	Nuvigil 50 mg oral tablet	
Dulcolax Laxative 5 mg oral delayed release tablet	Nuvigil 150 mg oral tablet	
ferrous gluconate 324 mg (38 mg elemental iron) oral tablet	Nuvigil 250 mg oral tablet	
ferrous sulfate 325 mg (65 mg elemental iron) oral tablet	nystatin 100,000 units/mL oral suspension	

E-Prescribing (3 of 10 slides)

- Using the Medications Folder and the **Find** field, choose the medication and the appropriate ordering sentence as needed.

The screenshot displays the e-prescribing interface for a patient named GFHTEST, THREEUPGRADE. The main window shows a list of medications with a search bar at the top. The search bar contains the text "End". A red box highlights the search bar. Below the search bar, a list of medications is displayed, including Aspirin 325 mg oral tablet, Aspirin 325 mg oral delayed release tablet, Ativan 0.5 mg oral tablet, Ativan 1 mg oral tablet, Augmentin 125 mg-31.25 mg/5 mL oral liquid, Augmentin 250 mg-62.5 mg/5 mL oral liquid, Augmentin 500 mg-125 mg oral tablet, Augmentin 825 mg-125 mg oral tablet, Bacitrim DS 800 mg-160 mg oral tablet, and Morphine 20 mg/mL oral CONCENTRATE. A red box highlights the entry "Bacitrim DS 800 mg-160 mg oral tablet".

An "Order Sentences" dialog box is open, showing a list of order sentences for the selected medication. The list includes: "1 TAB, PO, QD", "1 TAB, PO, BID", "1 TAB, PO, BID, X 7 Days, # 14 TAB", "1 TAB, PO, BID, X 14 Days, # 28 TAB", and "1 TAB, PO, BID, X 10 Days, # 20 TAB". A red box highlights the first sentence "1 TAB, PO, QD". The "OK" button is also highlighted with a red box.

The background interface shows a list of medications with columns for "Medications", "Status", and "Action". The "Medications" column lists "HYDROCHLOROTHIAZIDE 2.5 MG, 0.5 MG, IV/IM, Q12H, PRN: Moderate to severe pain" and "SULFINPYRAZONE 400 MG, 2 TAB, PO, QD". The "Status" column shows "Ordered" for both. The "Action" column shows icons for "Add", "Edit", and "Delete".

E-Prescribing (4 of 10 slides)

- In the details portion of the screen fill all of the dosing information. Please note that any of the items that have and Asterisks (*) are required.
- Please also note the **Acute** and **Maintenance** bubbles. Choosing appropriately here will assist in future Med Rec's. The duration of the Rx as prescribed will help it fall off the list of medications after the end date as it would no longer be a 'current medication.'

The screenshot displays the 'Details' section for an e-prescription of IBUPROFEN (ibuprofen 800 mg oral tablet). The interface is organized into several sections:

- Top Bar:** Shows the medication name and a 'Send To' dropdown menu set to 'Do Not Send; given to patient'.
- Order Summary:** A table with columns for 'Dose', 'Route of Administration', 'Frequency', 'Duration', 'Dispense', and 'Refill'. The values are: 1 TAB, PO, TID, 90 TAB, 90 TAB, and 0.
- Order Details:** Fields for '*Start Date/Time' (12/10/2013 1525), 'Stop Date/Time', 'Drug Form', 'Special Instructions', 'Samples', and 'Type of Therapy' (Acute/Maintenance).
- Additional Fields:** Includes 'PRN', 'Requested Refill Date', 'Select Prescriber Address', 'D/W: Yes/No', and 'eRx Note to Pharmacy'.

- To the far right the **Send To** field will populate with the “Do Not Send; given to patient” choice by default. Please choose as appropriate for each of the ordered medications. This is where the **Patient's Preferred Pharmacy** (the name will be listed in the drop window) can be chosen for personal pick-up or if a maintenance medication is being ordered there could be a **Mail Order Pharmacy** listed for the non-narcotics.

E-Prescribing (5 of 10 slides)

- It is now possible to order ALL medications during the same Order Conversation and simply choose the **Send To** options as appropriate for the each medication. Narcotics are still not being ERx'd at this time. It is now a continuous workflow for all medications being placed.
- IF there has been a change in the Pharmacy Preference for the patient revealed during the Discharge Discussion with the provider, it can be added during this same workflow.

The screenshot displays a software interface for e-prescribing. On the left, a yellow box contains the following information:

Mail Order Pharmacy 10.6MU - 9292
9292 Langley Rd
Phoenix, AZ 85001
Tel: (623) 555-2323
Fax: (623) 555-2322

Below this box is a radio button labeled "Type Of Therapy:".

To the right, a "Send To:" dropdown menu is open, showing the following options:

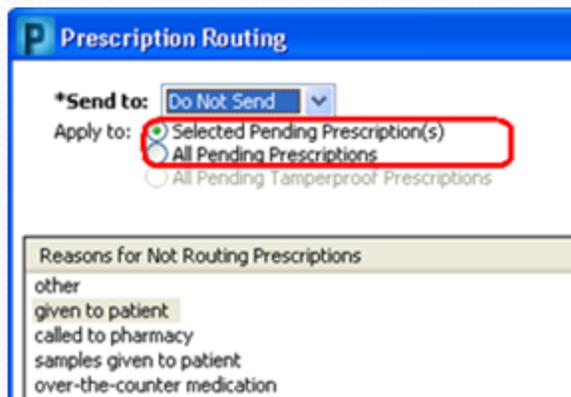
- do Not Send: given to patient (selected)
- CA Pharmacy 10.6MU (65432 Cabernet Turn)
- Mail Order Pharmacy 10.6MU (9292 Langley Rd) (highlighted)
- Find printer...
- Do Not Send: given to patient (checked)
- Do Not Send: other
- Do Not Send: called to pharmacy
- More "Do Not Send" Reasons (with a right-pointing arrow)
- Other...

E-Prescribing (6 of 10 slides)

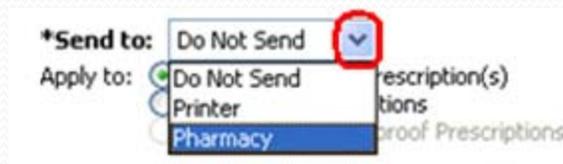
Changing the Patient Preferred Pharmacy



- Click the **Ellipsis (...)** button to the right of the **Send To** field to launch the Routing Dialog.



- **All Pending Prescriptions**-can be used to select a pharmacy for all prescriptions if NO control prescriptions are present. This will populate the SAME pharmacy for all pending non-control prescriptions.



- **Selected Pending Prescriptions**-will select the pharmacy for the specific medication from the previous details screen.
- Use the **Drop Down** button in the **Send to:** field and choose **Pharmacy**.

E-Prescribing (7 of 10 slides)

Changing the Patient Preferred Pharmacy

The screenshot shows the 'Prescription Routing' interface. At the top, there is a dropdown menu for '*Send to:' set to 'Pharmacy'. Below it, the 'Apply to:' section has three radio buttons: 'Selected Pending Prescri' (selected), 'All Pending Prescriptions', and 'All Pending Tamperproof'. A 'Patient Preferred' section contains a 'Search' button. Below this is a table with columns 'Pharmacy Name' and 'Address'. The table lists 'CA Pharmacy 10.6MU' with address '65432' and 'Mail Order Pharmacy 10.6MU' with address '9292 L'. Below the table, there is a 'Patient Preferred' search form with fields for 'Pharmacy Name', 'Address', 'City', 'State', 'Zip Code', and 'Phone'. The 'Pharmacy Name' field contains 'TX pharmacy store' and the 'Zip Code' field is empty. The 'Filter Results By:' section has radio buttons for 'Retail' (selected) and 'Mail Order', and checkboxes for 'Specialty', '24-hour', and 'Long-term Care'. A 'Search' button is at the bottom of the form. Below the form, there is a 'Remember search options' checkbox.

Pharmacy Name	Address
CA Pharmacy 10.6MU	65432
Mail Order Pharmacy 10.6MU	9292 L

Pharmacy Name: TX pharmacy store
Address: [Empty]
City: [Empty]
State: [Empty]
Zip Code: [Empty]
Phone: [Empty]

Pharmacy Type: Retail Mail Order
Filter Results By: Specialty 24-hour Long-term Care

Search

Remember search options

- In the Prescription Routing screen, click the **Search** tab.
- Fill out AT LEAST the following information and click **Search**:
 - **Exact Pharmacy Name Or Zip Code** if not more information as needed.
- Click **OK** to return to the details form. The pharmacy is now in the send to field for the chosen medications.

Send To: TX Pharmacy Store 10.6 (3001 Alamo Plaza) ▾

E-Prescribing (8 of 10 slides)

- When done with all items, click **Reconcile and Sign** at the bottom right of the screen. This will cause the Preview window to open.



- New Feature!!!** A summary window will now display all of the E-Prescribed medications listed with the corresponding pharmacy for a final review. These Rx's can be modified if desired by selecting the modify link. Errors will also display in this window and if medication related may be modified prior to submitting to the pharmacy.



The screenshot shows a window titled 'Electronic Prescription Preview'. At the top, it displays patient information: SCHNUR, BERT, Sex: MALE, MPN: 490532, DOB: 04-19-1945, and Address: 312 HILL RD., HILLSBORO, MO 63050. Below this, it lists the physician: Test, IV Physician, National Provider Identifier: [1442233395], and the pharmacy: CA Pharmacy Store 10.6 — 1313-A S. Harbor Boulevard, Anaheim, CA 92804. The medication is Amoxil 200 mg oral tablet, chewable. A red error message states: 'Missing representative National Drug Code. Will not send to pharmacy.' Below the error, it says: 'You can modify the Send To option to continue signing. Please notify your IT department to make this medication available for e-prescribing.' The medication details are: 200 MG Chew *BID, #28 TAB, Refills: 0, DAW/No, Date Written: 12-17-2013. At the bottom right, there are 'Sign' and 'Cancel' buttons.

E-Prescribing (9 of 10 slides)

- Once all errors have been resolved, confirm the prescriptions by clicking **Sign** at the bottom of the window.

Electronic Prescription Preview

 **GFHTEST, THREEEUPGRADE** Sex: FEMALE
MRN: 490054 DOB: 12-13-1933 Home: 8452580640
Address: 357 ORCHARD DR, MONROE, NY 10950 [\[More Phones\]](#)

Test, IV Physician National Provider Identifier:[1442233395]
123 Main Street, Glens Falls, NY 12801 Phone: 3163334444 Fax: 8163334444

Mail Order Pharmacy 10.6MU — 9292 Langley Rd, Phoenix, AZ 85001 Phone: 6235552323 Fax: 6235552322

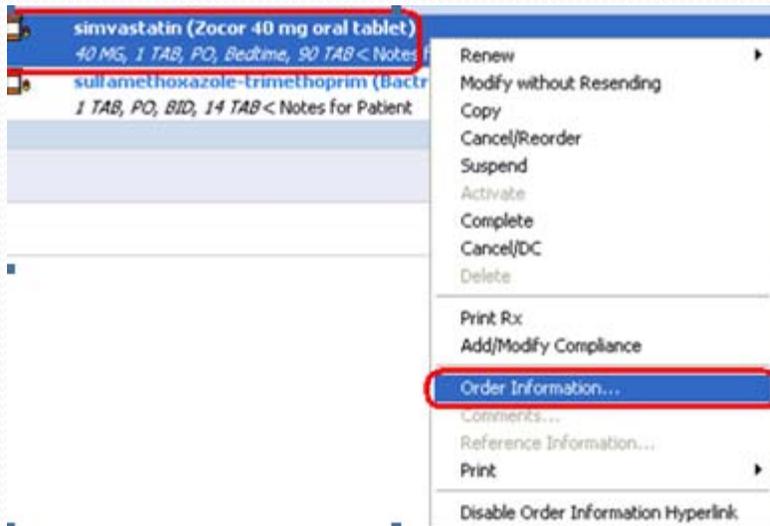
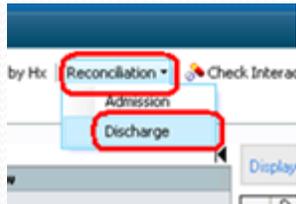
Zocor 40 mg oral tablet [\[Modify\]](#)
1 TAB PO Bedtime
#90 TAB, Refills:0, DAW:No, Date Written:12-17-2013

TX Pharmacy Store 10.6 — 3001 Alamo Plaza, San Antonio, TX 78205 Phone: 2108887777 Fax: 2107778888

Bactrim DS 800 mg-160 mg oral tablet [\[Modify\]](#)
1 TAB PO BID,x7 Days
#14 TAB, Refills:0, DAW:No, Date Written:12-17-2013

E-Prescribing (10 of 10 slides)

Verify the Transmission of E-Prescribed Medications (if desired)



- From the Order Screen, use the **Reconciliation** and **Discharge** buttons.
- **Highlight** and **RIGHT** Click the medication that you wish to verify.
- In the **Drop Down** menu, choose **Order Information**.
- In the Order Information screen, choose the **Additional Info** tab and check the eRx status.