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Working with IV Medications

Benefits of this Chapter

Use this chapter when you need to administer active large-volume IV and continuous syringe medications to patients on your ward. The options and features available within the BCMA VDL apply specifically to active IV medication orders only.

Preparing to Administer IV Medications



TIP:

A medication displays on the VDL if it has an “active” status *and* the patient has a status and location of “inpatient.”

Before administering any active IV medications to a patient, review this section to learn more about the medication orders that display on the BCMA VDL, the different display areas for the IV Medication Tab, and how BCMA indicates “actions” taken on IV bags displayed in the IV Bag Chronology display area of the BCMA VDL.

Then you will be ready to administer active IV medications to your patients.

Schedule Types that You Can Administer

The Schedule Types area of the BCMA VDL is grayed out for IV medications since they are not applicable to these types of medications.

Note: Each time that you open a VDL (i.e., patient record), BCMA defaults to the Unit Dose Medication Tab and the Schedule Types of Continuous, One-Time, and On-Call already selected. This occurs even if you change the Schedule Types or Medication Tab during a medication pass. The PRN Schedule Type controls the default display of PRN medications on the BCMA VDL, and is based on the GUI BCMA Site Parameters entry for “Include Schedule Types.”

Start and Stop Times for IV Medications

The Virtual Due List Time Parameters area of the BCMA VDL is grayed out since administration times are not used for large-volume IV or continuous syringe medications.

Working with IV Medications

Preparing to Administer IV Medications (cont.)



TIP:

IV medications display on the VDL until the Stop Time of the order.

Medication Orders that Display on the VDL

Once a large-volume IV or continuous syringe medication order becomes active, it displays on the BCMA VDL under the IV Medication Tab. This includes all active IV medication types listed below:

- Admixture
- Hyperal
- “Syringe,” with the “INTERMITTENT SYRINGE?” prompt set to “NO”
- “Chemotherapy,” with the “CHEMOTHERAPY TYPE:” prompt set to “Admixture” or “Syringe,” and the “INTERMITTENT SYRINGE?” prompt set to “NO”

An “active” status occurs once a pharmacist or a nurse verifies a medication order using Inpatient Medications V. 5.0 or CPRS. This includes orders on “Hold” and any orders entered through the IV package. Orders placed “On Hold” by a provider display grayed out on the BCMA VDL. You can only mark these order types as “Held,” although it is not necessary that you do so.

BCMA determines *when* to display an order on the BCMA VDL by subtracting the information in the “Before Scheduled Admin Time” site parameter field from the Start Date/Time of the medication order. You can define this parameter using the Parameters Tab in the GUI BCMA Site Parameters application.

Note: If an IV medication order becomes expired or discontinued while an IV bag is Infusing or Stopped, the order will continue to display on the BCMA VDL until you mark the IV bag as “Completed.”

Working with IV Medications

Preparing to Administer IV Medications (cont.)

Medications Available for Scanning

Administering IV medications to a patient involves the scanning of the patient's medication (drug) bar code, which was applied by the Pharmacy. BCMA recognizes the following numbers on the IV Medication Tab.

- **Internal Entry Number (IEN):** Drug numbers provided on medication bar codes are considered a unique drug identifier by the Pharmacy. BCMA reviews the SYNONYM field (#.01) of the DRUG file (#50), after a medication bar code is scanned, to ensure that a valid number exists for the dispensed drug and strength scheduled for administration.
- **Unique Identifier Number:** This number is generated (with a "V") for IV medications when the Pharmacy prints a bar code label for an IV bag. It is designed to communicate which IVs have been manufactured by the Pharmacy. This number displays in the IV Bag Chronology display area of the BCMA VDL.
- **Ward Stock Number:** This number is generated when you use a "Ward Stock" item to complete an IV medication order because the IV bag is not available from the Pharmacy (with a Unique Identifier Number). When you scan the Bar Code number on the bag, BCMA generates a Ward Stock number (with a "WS") and displays this number in the IV Bag Chronology display area of the BCMA VDL. You must scan every Additive and Solution for the Ward Stock item. When you do, BCMA then searches for a match to the Bar Code number in any of the active IV orders displayed on the BCMA VDL.

Note: If an IV bag is administered using Unable to Scan – Create WS, or Unable to Scan – Five Rights Override, BCMA generates a Ward Stock Number for the bag.

Note: Most Pharmacies use a combination of bar codes to identify drug products at the point of administration.

Working with IV Medications

Preparing to Administer IV Medications (cont.)



TIP:

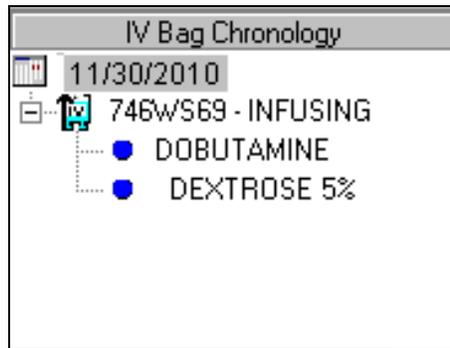
A Ward Stock Number displays on the VDL with the letters "WS" *only* after you scan the related Additives and Solutions. See first Example on this page.

IV Bag Chronology Display Area on the VDL

Unlike Unit Dose, IV Push, and IV Piggyback medications, large-volume IV or continuous syringe medications administered under the IV Medication Tab display the status (and related icon) in the IV Bag Chronology display area of the BCMA VDL opposite the Unique Identifier Number or Ward Stock Number. The display area lists IV bags labeled by the Pharmacy and any Ward Stock bags that you have created. This information also displays on the Medication Log Report and the MAH Report.

The examples provided below show the various "actions" that you can take on an IV bag (or the status that you can mark an IV bag), and the related icons in the IV Bag Chronology display area of the BCMA VDL.

Example: Ward Stock IV Bag with Status of "Infusing"



Example: IV Bag with Other Possible Statuses



Working with IV Medications

Preparing to Administer IV Medications (cont.)

Understanding the Status of a Medication Order

You can change a large-volume IV or continuous syringe medication with the following status:

- **Available** to Infusing, Missing, Held, or Refused
- **Infusing** to Stopped or Completed
- **Stopped** to Infusing, Completed, Missing, Held, or Refused
- **Missing** to Infusing, Held, or Refused

NOTE: Status changes may be made by use of medication bar code scanning, as well as Unable to Scan, Take Action on Bag, or Mark menu options.

Information Stored by BCMA

BCMA stores the following information each time you administer an active large-volume IV medication to a patient:

- Patient
- Location of the patient (i.e., bed, ward, and division)
- Clinician administering the medication
- Clinician who created the Medication Log Entry
- Entered date and time
- Audit information (i.e., clinician, text, date and time)
- Administration date and time
- Status of the administration, such as Available, Infusing, Stopped, Completed, Held, Refused, or Missing
 - “Cancelled” administrations are not stored in the Medication Log.
- IV Additive (strength), IV Solution (volume), and/or number of units given
- Infusion (flow) rate
- Any comments associated with the drug administration dose
- Injection site for the medications

Working with IV Medications

Viewing a Patient's Active IV Medications



TIP:

Press **F11** or click the IV Medication Tab to display active large-volume IV or continuous syringe medication orders under this Tab.



TIP:

If the number of medications that need administered is greater than the VDL can display, use the Scroll Bar to view all of them.

The “view” or active window shown below, displays when you select the IV Medication Tab on the BCMA VDL.

The IV Medication Tab provides an “alert light” which turns **GREEN** *only* when the patient has active medication orders associated to them. When you click a “lit” Tab, BCMA displays the patient’s active medication orders on the BCMA VDL. This safeguard is provided to ensure that all large-volume IV medications that are due are given to the patient in the correct dosage and on time.

Note: Discontinued and expired orders, with a Stop Date/Time greater than 72 hours from NOW, will not display on the BCMA VDL even if an Infusing or Stopped bag exists on the order.

Example: BCMA VDL for Active IV Medications

The screenshot shows the 'Bar Code Medication Administration' window. The patient information includes: BCMAPATIENT.ONE (MALE), SSN = 000-00-9678, DOB = 9/2/1947 (56), Height = *, Weight = *, Location = 7A GEN MED 724-A. The 'Flag' tab is active, showing a red flag icon. The 'Virtual Due List Parameters' section shows Start Time: 08/17@0700 and Stop Time: 08/17@1000. The 'Schedule Types' section has radio buttons for Continuous, PRN, and One-Time, with Continuous and PRN selected. The 'ALLERGIES' section lists: latex, strawberries. ADRs: No ADRs on file. The main table displays active medication orders:

Status	Ver	Type	Medication/Solutions	Infusion Rate	Route	Bag Information
Active	***	Admixture	KCL 20MEQ/05/NAACL 0.9% INJ.SOLN IV INJ... KCL 20MEQ/05/NAACL 0.9% 1000 ML	100 ml/hr.	IV	INFUSING: 8/14/2006@1303
Active	***	Hyperal	PROLEUKIN INJ PROLEUKIN 10 MU DEXTROSE 5% IN N. SALINE 1000 ML	100 ml/hr.	IV	INFUSING: 8/15/2006@0800 INFUSING bag on changed order
Active	***	Admixture	KCL 20MEQ/05/NAACL 0.9% INJ.SOLN IV INJ... KCL 20MEQ/05/NAACL 0.9% 1000 ML	100 ml/hr.	IV	STOPPED: 8/15/2006@2001 STOPPED bag on changed order

Below the table are sections for 'IV Bag Chronology' (No Order Selected), 'IV Bag Detail' (No Bag Selected), and 'Cover Sheet' (Unit Dose, IVP/IVPB, IV). The scanner status is 'Ready' (green light). The bottom of the window shows the user 'BCMANURSE.ONE' at 'ALBANY' and the server time '8/17/2006 11:56'.

Working with IV Medications

Take a few minutes to get better acquainted with the various elements comprising the display areas of the BCMA VDL for IV medications.

Example: Elements Comprising the Display Areas for IV Medications

VDL lists Orderable Item, Additive, and Solution

Select order to display available bags

Action date

Click to display bag contents

The screenshot shows the BCMA VDL for IV Medications interface. At the top, there is a menu bar with options like File, View, Reports, Due List, Tools, and Help. Below the menu bar, patient information is displayed, including name (BCMPATIENT, ONE (MALE)), SSN, DOB, Height, Weight, and Location. There are also fields for Virtual Due List Parameters (Start Time, Stop Time) and Schedule Types (Continuous, PRN, One-Time, Qd-Call). A red alert banner indicates allergies (fentanyl, morphine) and no ADRs on file.

Status	Ver	Dose	Medication/Solutions	Infusion Rate	Route	Bag Information
Active	***	Admixture	FUROSEMIDE INJ SOLN FUROSEMIDE 500 MG D5%/NAACL 0.9%/KCL 20MEQ/L 1000 ML <i>Too much information to display. Use right-click menu to display full text.</i>	50 ml/hr.	INTRAVENOUS	INFUSING: 2/1/2012@1041 INFUSING bag on changed order
Active	***	Admixture	DOLASETRON INJ DOLASETRON 500 MG DEXTRROSE 10% IN WATER 1000 ML	100 ml/hr.	INTRAVENOUS	

Annotations on the screenshot include:

- An arrow pointing to the medication name in the table: "VDL lists Orderable Item, Additive, and Solution".
- An arrow pointing to the medication name in the table: "Select order to display available bags".
- An arrow pointing to the "Date/Time" column in the IV Bag Chronology table: "Action date".
- An arrow pointing to the "Action" column in the IV Bag Chronology table: "Click to display bag contents".
- An arrow pointing to the "Comments" column in the IV Bag Chronology table: "Action taken on an IV bag".
- An arrow pointing to the "Contents" column in the IV Bag Chronology table: "Contents of an IV bag".
- An arrow pointing to the "Comments" column in the IV Bag Chronology table: "Information displays here when an IV bag is selected in the IV Bag Chronology display area".
- An arrow pointing to the "Comments" column in the IV Bag Chronology table: "Other Print Info.".
- An arrow pointing to the "Bag Information" column in the main table: "Bag information identifies an action of Infusing or Stopped, and when an order has been changed."

At the bottom of the interface, there are buttons for Cover Sheet, Unit Dose, IVP/IVPB, and IV. A Scanner Status section shows "Ready" and "Enable Scanner". A BCMA Clinical Reminders table shows a count of 16 for PRN Effectiveness. The server time is 2/6/2012 13:25.

Administering IV Bags with Unique ID Number

How BCMA Validates IV Bags with Unique Identifier Number



TIP:

BCMA uses the default settings in the IV Parameters fields of the GUI BCMA Site Parameters application when an IV bag is scanned *and* an order has been changed.

When you scan the bar code on a patient's IV bag, BCMA verifies whether the IV bag has a valid Unique Identifier Number, and if the patient has an active order entered into Inpatient Medications V. 5.0 for the bag scanned.

A variety of dialog boxes will display for a patient, depending on the IV bag scheduled for administration. (See the descriptions provided below to learn when a dialog will display on the VDL.) If the administration is successful, the patient's VDL displays the word "Infusing" in the IV Bag Chronology display area of the BCMA VDL opposite the Unique Identifier Number that you just scanned.

- If you scan a new IV bag, and have not marked the previous IV bag as "Completed," BCMA displays a message.
- If the IV PARAMETERS fields in the GUI BCMA Site Parameters application are set to "Warning," and an IV field is edited in Inpatient Medications V. 5.0, a Warning message displays.
- If no order exists for the medication scanned, the medication has already been given, it's not time to give it yet, or the Unique Identifier Number is not located, an Error message displays.
- If no IV bags are available for the medication displayed on the BCMA VDL, an Information message displays.

If you experience a scanning failure while administering an IV bag with a Unique Identifier Number labeled by your Pharmacy, you can select the Unable to Scan feature to infuse the IV bag and inform your support staff of the failure. After entering a reason for the failure and an optional comment, the Medication Verification dialog displays, where you can choose one of the following options:

- **Verify Medication:** This (default) option provides an entry field in which the user types the Unique Identifier Number from the bar code label on the IV bag to verify the medication being administered to the patient. BCMA validates the entry against available bags on the order and displays the bag components. Best practice dictates that you always attempt to verify the medication first. You may retry if your entry does not result in a match.

Note: It is vital that you type the Unique Identifier Number from the IV bag label in your hand, not the number you see in the IV Bag Chronology in the BCMA VDL.

Administering IV Bags with Unique ID Number

How BCMA Validates IV Bags with Unique Identifier Number (cont.)

- **Verify Five Rights:** This option provides a method for administering an IV bag in the event that Verify Medication failed, or, for example, when the number on the bar code label is not readable, or there is no label. You must confirm that each of the five rights of medication administration have been physically verified (right patient, right medication, right dose, right route, right time) before you can continue the administration process.

Note: Refer to your BCMA Coordinator and site policy for guidance on the use of the Verify Five Rights option.

Note: The Verify Five Rights option is only available if the Five Rights Override Parameters are enabled for Unit Dose and IV medications in the BCMA Site Parameters application. If the Five Rights Override Parameter is turned off, the option will be grayed out and you will not be able to administer the medication. Refer to your site policies regarding how to contact pharmacy to address the problem.

Administering IV Bags with Unique ID Number

Scanning and Verifying Medication Information



TIP:

You do *not* have to select an active IV medication order on the VDL before scanning the Unique Identifier Number.



TIP:

BCMA does *not* require that you scan the Unique Identifier Number for IV medications, in sequence.



TIP:

If the Scanner Status Indicator is **RED**, click in the Indicator field to activate the **GREEN** Ready Light *before* scanning a medication bar code.

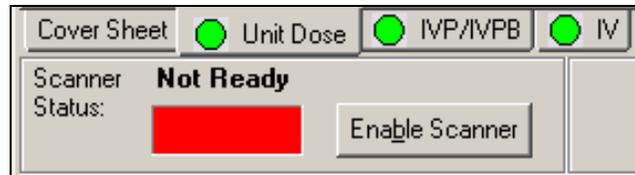
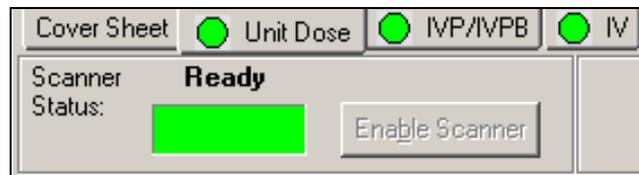
Now you are ready to scan (and verify) the patient's active IV bags to officially begin the medication administration process.

To scan and verify IV bag with Unique Identifier Number

- 1 At the patient's VDL, first check the status of the scanner at the lower left corner of the VDL.
 - If the Scanner Status is **"Ready"** and **GREEN**, scan the bar code of one of the patient's available IV bags. (The Pharmacy generates the Unique Identifier Number when they print labels for the bag.).
 - If the Scanner Status is **"Not Ready"** and **RED**, click the **ENABLE SCANNER** button to enable the scanner, and scan the bar code on the medication.

Keyboard Shortcut: Press **ALT-B** to enable the scanner.

Example: Scanner Status and Enable Scanner button



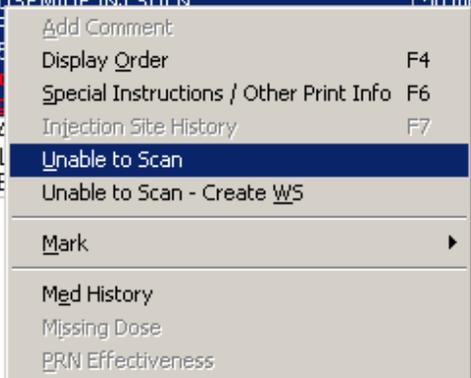
- 2 If you are unable to scan the medication bar code for any reason, right-click **on the IV order**, and select the Unable to Scan option from the right click or Due List menu. Proceed to the section "Unable to Scan IV Medication" on page [203](#).

Administering IV Bags with Unique ID Number

Scanning and Verifying Medication Information (cont.)

Example: Unable to Scan IV Bag Right-Click Option

Status	Ver	Type	Medication/Solutions	Infusion
Active	***	Admixture	FUROSEMIDE INJ SOLN	50 ml/hr
Active	***	Admixture	DOLA	



3 Perform one of the following actions if you receive an Error or Information message.

- If an Error or Warning message indicates that the order is non-nurse verified, see page [195](#).
- If an Error message indicates that the Unique Identifier number was not located, see page [196](#).
- If an Error message indicates that no order exists for the medication that you just scanned, see page [198](#).
- If no bags are available for the medication displayed on the BCMA VDL, see page [199](#).
- If IV Parameters fields set to “Warning” and a field is edited in Inpatient Medications V. 5.0, see page [200](#).

Administering IV Bags with Unique ID Number

Scanning and Verifying Medication Information (cont.)

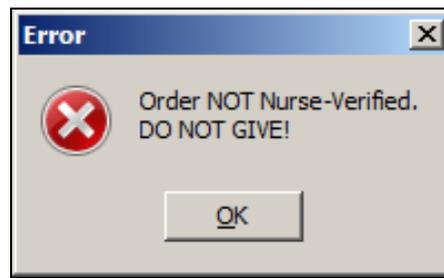
➤ If Non-Nurse Verified Orders Site Parameter “Prohibit Administration” is Selected

The error message provided below displays when administration of a non-nurse verified order is attempted.

- Click **OK** to acknowledge the message then click **OK** at the “Order Administration Cancelled” dialog to acknowledge the cancellation and return to the VDL without administering the medication.

Note: Check your site policy to determine the correct workflow for verifying the order in CPRS.

Example: Error Message When Prohibit Administration Parameter is Selected



➤ If Non-Nurse Verified Orders Site Parameter “Allow Administration with Warning” is Selected

The warning message provided below displays when administration of a non-nurse verified order is attempted.

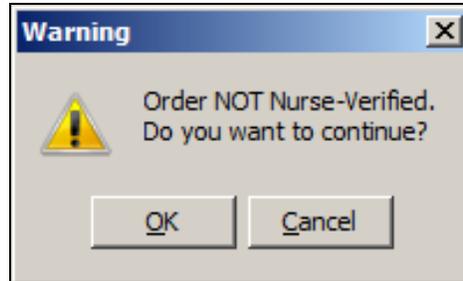
- Click **OK** to acknowledge that the order has not been nurse verified and to continue the administration. All medication administration dialogs will display as appropriate to the workflow for the selected administration.
- Click **Cancel** to display the “Order Administration Cancelled” dialog. Click **OK** to acknowledge the cancellation and to return to the VDL.

Note: Check your site policy to determine the correct workflow for verifying the order in CPRS.

Administering IV Bags with Unique ID Number

Scanning and Verifying Medication Information (cont.)

Example: Warning Message When Allow Administration with Warning Parameter is Selected



Note: When the “Allow Administration with Warning” or “Prohibit Administration” parameter setting is selected, the resulting warning/error pop-up message will usually precede other BCMA pop-ups during the medication administration process. Exceptions to this are:

- **Ward Stock Bags:** When the user scans bag components into the Ward stock dialog thus creating a ward stock bag, BCMA will not match the list of components to the order until the user selects **OK**. At that time, if the order is not nurse-verified, the Non-Nurse Verify pop-up will then display.
- **Currently Infusing IV Bags:** When attempting to scan a new bag while an existing bag is currently infusing, the user must complete the infusing bag before the Non-Nurse Verify pop-up displays.

Note: Site parameters for non-nurse verified orders do not affect the CPRS med order button functionality.

➤ If Unique Identifier Number Not Located

The Error message, provided below, displays when BCMA does not locate the Unique Identifier Number. This occurs if the Unique Identifier Number is invalid.

This error message also displays during an Unable to Scan event, whenever the IV bag Unique Identifier Number entered at the Medication Verification dialog does not match an available bag on the IV order.

Note: If you receive this Error message more than once, contact the Pharmacy directly about the problem.

Administering IV Bags with Unique ID Number

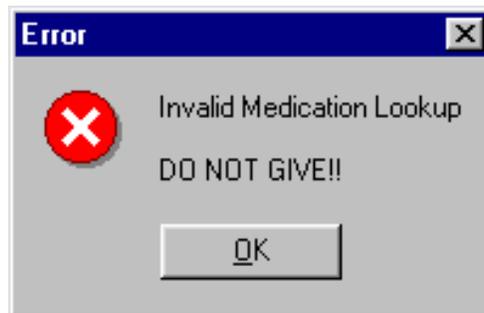
Scanning and Verifying Medication Information (cont.)

To review the Error message

- 1 Review the Error message, and then click **OK** to return to the patient's VDL.

Keyboard Shortcut: Press **TAB** to activate the **OK** button, and then press **ENTER** to return to the patient's VDL.

Example: Error Message When Unique Identifier Number Not Located



- 2 Continue administering active IV medication orders.

Administering IV Bags with Unique ID Number

Scanning and Verifying Medication Information (cont.)

➤ If No Order Exists for Medication Scanned

The Error message, provided below, displays if the patient does not have an order for the medication that you just scanned.

To review the Error message

- 1 Review the Error message, and then click **OK** to return to the patient's VDL.

Keyboard Shortcut: Press **TAB** to activate the **OK** button, and then press **ENTER** to return to the patient's VDL.

Example: Error Message When No Order Exists for Medication Scanned



- 2 Continue administering active IV medications to the patient.

Administering IV Bags with Unique ID Number

Scanning and Verifying Medication Information (cont.)

➤ If No IV Bags Available for Medication Displayed on the VDL

The Information message, provided below, displays if the medication is incorrect.

To review the Information message

- 1 Review the Information message, and then click **OK** to return to the patient's VDL.

Keyboard Shortcut: Press **TAB** to activate the **OK** button, and then press **ENTER** to return to the patient's VDL.

Example: Information Message When No Bags Available for Medication Displayed on VDL



- 2 Continue administering active IV medications to the patient.

Administering IV Bags with Unique ID Number

Scanning and Verifying Medication Information (cont.)

➤ If IV Parameters Fields Set to “Warning” and Field Edited in Inpatient Medications V. 5.0

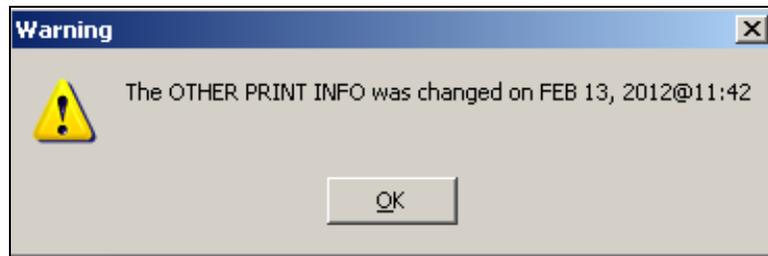
The Warning message, provided below, displays when the IV Parameters fields in the GUI BCMA Site Parameters application are set to “Warning” and an IV field is edited in Inpatient Medications V. 5.0. The message could include changes to the Start/Stop Times and Infusion Rate.

To acknowledge IV Parameters Warning message

- 1 Review the Warning message, and then click **OK** to return to the patient’s VDL.

Keyboard Shortcut: Press **TAB** to activate the **OK** button, and then press **ENTER** to return to the patient’s VDL.

Example: Warning Message When IV Field Edited in Inpatient Medications V. 5.0



- 2 Continue administering active IV medications to the patient.

Administering IV Bags with Unique ID Number

Scanning and Verifying Medication Information (cont.)



TIP:

The Action drop-down list box in the Scan IV dialog box automatically defaults to “Infusing” when you administer an IV bag with an “Available” status.



TIP:

In the Scan IV dialog box, IV bags marked as “Infusing” do *not* require a Comment; however, you can add a Comment later using the Right Click drop-down menu.

To scan and verify IV Bag with Unique Identifier Number (cont.)

- The Scan IV dialog box displays and BCMA marks the IV bag as “Infusing” in the IV Bag Chronology display area of the BCMA VDL. In the Injection Site list box, select an injection site, and then click **OK**.

Note: If an existing IV bag is already infusing for the selected order, BCMA will prompt you to complete the Infusing IV bag.

Note: BCMA automatically populates the Scan IV dialog box with pertinent information about the IV bag. Changes to an IV order, with an Infusing or Stopped IV bag, display in the “Order Changes” area of the dialog box.

Example: Scan IV Dialog Box for Scanned Unique Identifier Number

Scan IV

Bag Information
Current Bag Status: **AVAILABLE**
IV Bag Number: 741V11
Medication Route: INTRAVENOUS

Medication / Solutions:
DOPAMINE 400 MG
DEXTRROSE 5% IN WATER 250 ML

Other Print Info:
[1600MCG/ML]-START AT 3 MCG/KG/MIN. INCREASE BY 2.5MCG/KG/MIN Q10MIN. KEEP SBP>90 AND <110. MAX RATE= 20MCG/KG/MIN

Order Changes

Enter a Comment (150 Characters Maximum):

Select an Action: **Infusing**

Select an Injection Site:

OK Cancel

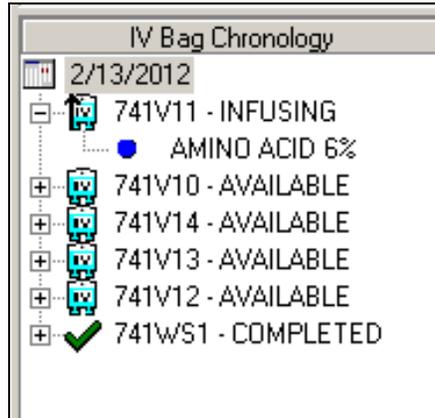
THEN —
(See Next Page)

Administering IV Bags with Unique ID Number

Scanning and Verifying Medication Information (cont.)

To scan and verify IV Bag with Unique Identifier Number (cont.)

Example: IV Bag Marked As Infusing in IV Bag Chronology Display Area of VDL



- 4 Continue administering active IV medications to the patient.

Administering IV Bags with Unique ID Number

Unable to Scan IV Medication



TIP:

You can report scanning failures without interrupting the medication administration process.

If you experience a scanning failure while trying to administer an IV medication, you can use the Unable to Scan option or the Unable to Scan – Create WS option.

It is important to note that the Unable to Scan options are only available at the order level on the IV tab, meaning you must select an order before selecting the Unable to Scan command. You cannot select Unable to Scan or Unable to Scan – Create WS for a particular bag in the IV Bag Chronology window.

To administer an IV medication using Unable to Scan

- 1 At the IV tab, select an IV order that you want to administer. Then select the Unable to Scan command from the right-click or the Due List menu. The Unable to Scan dialog box displays.

Note: If an existing IV bag is already infusing for the selected order, BCMA will prompt you to complete the Infusing IV bag.

Example: Unable to Scan Right Click Option

Status	Ver	Type	Medication/Solutions	Infusion Rate
Active	***	Admixture	FUROSEMIDE INJ SOLN	150 ml/hr.
			FUR D5 T id	
Active	***	Admixture	DOLA DOL DE	ml/hr.

➤ If Non-Nurse Verified Orders Site Parameter “Prohibit Administration” is selected

The Error Message: “Order NOT Nurse-Verified! DO NOT GIVE!” displays.

Administering IV Bags with Unique ID Number

Unable to Scan IV Medication (cont.)

To administer an IV medication using Unable to Scan (cont.)

- Click OK to acknowledge the message and click OK at the “Order Administration Cancelled” dialog to acknowledge the cancellation and return to the VDL without administering the medication.

➤ If Non-Nurse Verified Orders Site Parameter “Allow Administration with Warning” is selected

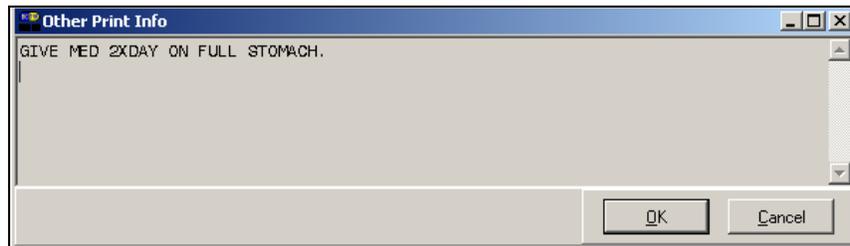
The Warning Message: “Order NOT Nurse-Verified! Do you want to continue?” displays.

- Click **OK** to acknowledge that the order has not been nurse verified and to continue the administration or click **Cancel** to display the “Order Administration Cancelled” dialog then click **OK** to acknowledge the cancellation and return to the VDL.

Note: Check your site policy to determine the correct workflow for verifying the order in CPRS.

- 2 If applicable, the Other Print Info box displays. Review the Information message and click **OK** to continue.

Example: Other Print Info Box



- 3 At the Unable to Scan dialog box, verify the administration information displayed at the top of the box, including: Medication, Dosage/Infusion rate, Medication Route, Other Print Info, and Dispensed Drugs/Medications Solutions.

Administering IV Bags with Unique ID Number

Unable to Scan IV Medication (cont.)



TIP:

If the Scanning failure is not an equipment problem, you can scan the problematic bar code directly into the Comment field. This may help your IRM and Pharmacy staff zero in on the source of problem more quickly.

To administer an IV medication using Unable to Scan (cont.)

Example: Unable to Scan IV Dialog Box

BCMA - Unable to Scan

Administration Information

Medication: FUROSEMIDE INJ,SOLN
Scheduled Admin Time: N/A
Schedule Type: N/A
Dosage / Infusion Rate: 50 ml/hr
Units Per Dose: N/A
Last Action: **** - See Bag Information Column on the VDL
Bag ID: N/A
Medication Route: INTRAVENOUS
Special Instructions / Other Print Info:

Dispensed Drugs / Medications / Solutions:

Name
FUROSEMIDE 500 MG D5%/NAACL 0.9%/KCL 20MEQ/L 1000 ML

Unable to Scan Reason

Reason: Scanning Equipment Failure

Enter a Comment (Optional) (150 Characters Maximum):
Scanner not working

Click OK to Continue

OK Cancel

- 4 Select an “Unable to Scan Reason” from the drop-down list box. Selections include: Damaged Medication Label, Dose Discrepancy, No Bar Code, Scanning Equipment Failure, and Unable to Determine.

Example: Unable to Scan Medication Reasons

Unable to Scan Reason

Reason: [Dropdown Menu]

- Damaged Medication Label
- Dose Discrepancy
- No Bar Code
- Scanning Equipment Failure
- Unable to Determine

Note: If you click **Cancel** at any point in the Unable to Scan process, the Unable to Scan event is not logged, an email is not sent, and the “Order Administration Cancelled” message displays. Click **OK** to return to the VDL.

Administering IV Bags with Unique ID Number

Unable to Scan IV Medication (cont.)

To administer an IV medication using Unable to Scan (cont.)

- 5 You may enter an optional text comment. Click **OK**. The Medication Verification dialog box displays with the Verify Medication option selected by default.

Example: Medication Verification Dialog Box (Verify Medication Option)

The screenshot shows a dialog box titled "Medication Verification". It has a close button in the top right corner. The dialog is divided into two sections. The first section, "Verify Medication", is selected with a radio button. It contains a text input field with the value "742V14" and a "Submit" button to its right. Below the input field is a large, empty text area. The second section, "Verify Five Rights", is unselected. It contains five checkboxes: "Right Patient", "Right Medication", "Right Dose", "Right Route", and "Right Time". At the bottom of the dialog are "OK" and "Cancel" buttons.

- 6 To verify the IV bag being administered, enter the Unique Identifier Number from the bar code label on the IV bag. BCMA validates the entry against available bags on the order and displays the bag components.

Note: Best practice dictates that you always attempt to verify the medication first. You may retry if your entry does not result in a match.

Note: It is vital that you type the Unique Identifier Number from the IV bag label in your hand, not the number you see in the IV Bag Chronology in the BCMA VDL.

Note: When entering the bar code number, remember that no spaces or punctuation marks are allowed.

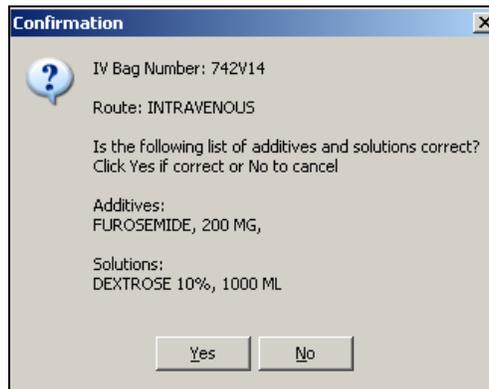
Administering a Patient's IV Medications

Unable to Scan IV Medication (cont.)

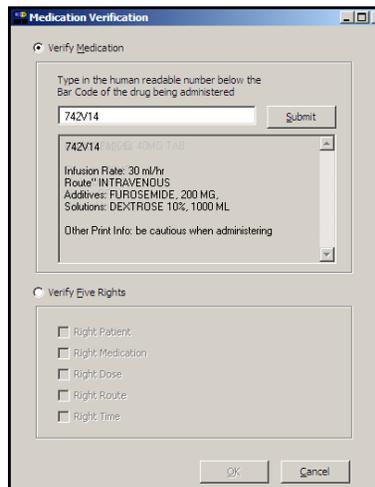
To administer an IV medication using Unable to Scan (cont.)

- 7 Click Submit.
 - If the number entered matches an available bag on the selected IV order, the IV bag components Confirmation dialog box displays, confirming the additives and solutions.
 - Click **YES** to confirm the information and return to the Medication Verification dialog box. The IV bag number, Infusion Rate, Route, Additives, Solutions and Other Print Info display.
 - Click **NO** to return to the Medication Verification dialog box and retry.

Example: Confirmation Dialog Box



Example: Medication Verification Dialog Box (After Medication is Verified)



Administering a Patient's IV Medications

Unable to Scan IV Medication (cont.)

To administer an IV medication using Unable to Scan (cont.)

- If the number entered from the IV bag being administered does not match the IV bag number on the selected order:
 - An “Invalid Medication – Do not Give” error message displays. Click **OK** to return to the Medication Verification dialog box. You may reenter the bag number to try again.

Example: Error Message When Drug IEN Code Not Found



- If the number entered does not match, or the bar code number is not readable, or there is no label, you may select the Verify Five Rights option. Place a checkmark in each of the five checkboxes to document that the five rights of medication administration have been physically verified (right patient, right medication, right dose, right route, right time) and continue with the medication administration without entering a matching IV bag Unique Identifier Number for the medication.

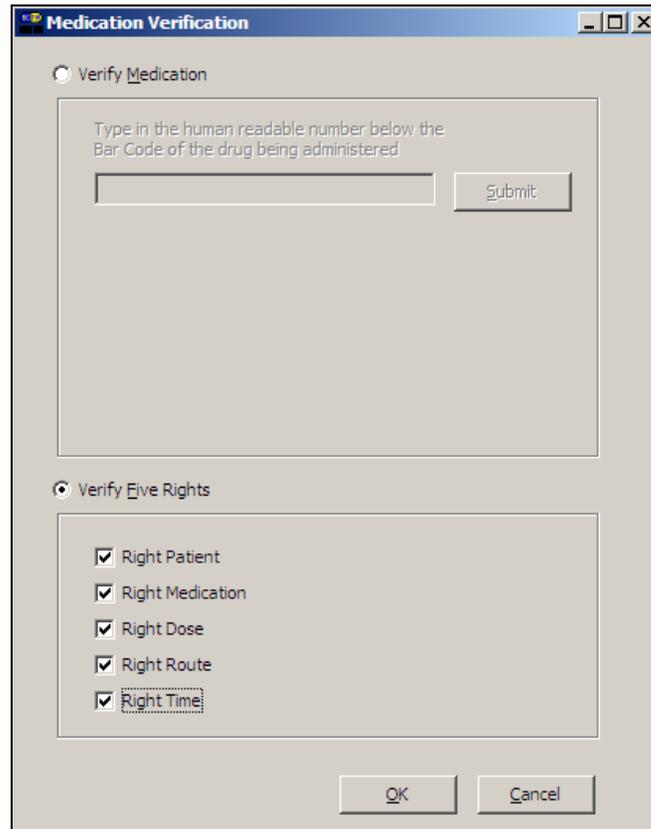
Note: This option is only available if the Five Rights Override Parameter is enabled for IV medications in the BCMA Site Parameters application. If the Five Rights Override parameter is turned off, you will not be able to administer the medication. Refer to your site policies regarding how to contact pharmacy to address the problem.

Administering a Patient's IV Medications

Unable to Scan IV Medication (cont.)

To administer an IV medication using Unable to Scan (cont.)

Example: Medication Verification Dialog Box (Verify Five Rights Option)



The screenshot shows a dialog box titled "Medication Verification". It has two radio button options: "Verify Medication" (which is unselected) and "Verify Five Rights" (which is selected). Under "Verify Medication", there is a text input field with the instruction "Type in the human readable number below the Bar Code of the drug being administered" and a "Submit" button. Under "Verify Five Rights", there is a list of five checkboxes, all of which are checked: "Right Patient", "Right Medication", "Right Dose", "Right Route", and "Right Time". At the bottom of the dialog box are "OK" and "Cancel" buttons.

- 8 Review the contents of the Medication Verification dialog box and click **OK**.

Administering a Patient's IV Medications

Unable to Scan IV Medication (cont.)

To administer an IV medication using Unable to Scan (cont.)

- 9 The Scan IV dialog box displays and BCMA marks the IV bag as “Infusing” in the Action drop-down list box.
- 10 In the Injection Site selection drop-down list box, select the location where you are injecting the medication into the patient, then click **OK**.

Example: Scan IV Dialog Box

The screenshot shows the 'Scan IV' dialog box with the following content:

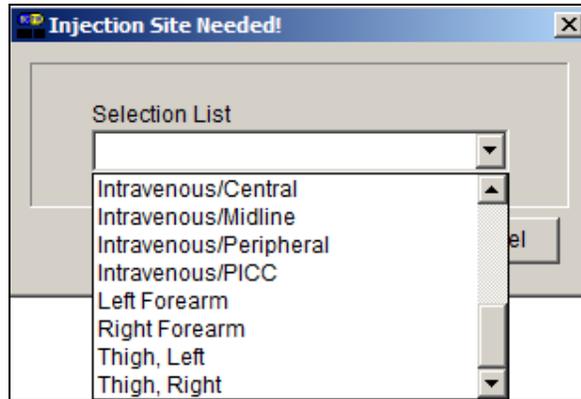
- Bag Information:**
 - Current Bag Status: **INFUSING**
 - IV Bag Number: 750w551
 - Medication Route: INTRAVENOUS
- Medication / Solutions:**
 - DIGOXIN IMMUNE FAB 500 MG
 - D5%/NAACL 0.45%/KCL 20MEQ 1000 ML
- Other Print Info:**
 - "[2MG/ML] - BASAL=1MG/HR(0.5ML/HR).
 - PCA DOSE = 1MG (0.5ML) EVERY 10
 - MINUTES PRN.
 - PCA LOCKOUT=5MG/HR (2.5ML/HR)"
- Order Changes:**
 - IV Bag 750w551 is currently INFUSING, and the associated order has been changed. The order changes are listed below.
 - 3/16/2012@1414 - OTHER PRINT INFO changed to Instructions too long. See Order View or BCMA for full text.
- Enter a Comment (150 Characters Maximum):**
 - (Empty text box)
- Action:** Select an Action: Completed
- Injection Site:** Select an Injection Site: Intravenous/Central
- Buttons:** OK, Cancel

Administering a Patient's IV Medications

Unable to Scan IV Medication (cont.)

To administer an IV medication using Unable to Scan (cont.)

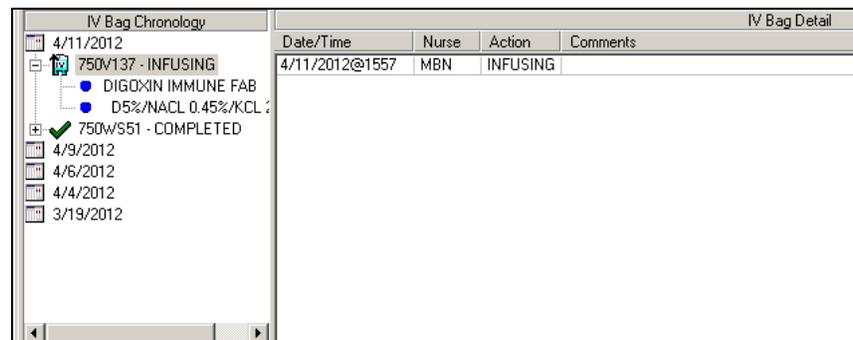
Example: Injection Site Selection Drop-Down List



Note: The comment field is optional unless the action taken is "Stopped."

- 11 The IV Bag Chronology section of the VDL displays a status of "Infusing" for the bag you administered.

Example: IV Bag Chronology



Administering a Patient's IV Medications

Unable to Scan IV Medication (cont.)

To administer an IV medication using Unable to Scan (cont.)

MailMan Message Sent After Medication Bar Code Scanning Failure

When you create a medication scanning failure entry, a MailMan message will be sent to the mail group you specified. The subject line of the message will indicate a medication scanning failure. The body of the message will contain the following information:

- User: Last name, First Name (for identifying system issues only/educational needs)
- Date/Time of event
- Patient: Last Name, First Name, and last four digits of patient's Social Security Number.
- Order Number
- Ward Location/Room
- Type of Bar Code issue: Medication
- Medication
 - Unit Dose orders will display dispense drug; drug IEN; dosage ordered
 - IV Orders will display: unique ID (Bag ID typed by User or Wardstock); orderable item.
- Reason for scan failure
- User's comment

Note: Inclusion of the last four digits of the patient's SSN is currently allowed in VistA clinical alert messaging. If there are changes to this policy due to a future VHA directive, the format of this field is subject to change.

Administering IV Bags with Unique ID Number

Changing the Status of an IV Bag



TIP:

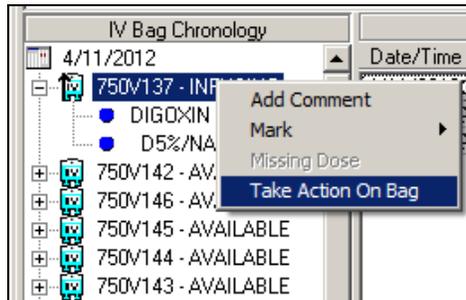
In the Scan IV dialog box, you must enter a "Comment" for an IV bag with a status of "Stopped."

Use this section when you want to change the status of an IV bag from the Pharmacy from "Infusing" to "Stopped" or "Completed" or from "Stopped" to "Infusing" or "Completed."

To change the status of an IV bag from the Pharmacy

- 1 Perform one of the following actions:
 - Scan the Unique Identifier Number for the IV bag, from the Pharmacy, for which you want to change the status. BCMA processes the scan and displays the Scan IV dialog box.
 - In the IV Bag Chronology window, select the IV bag that you want to take action on, then select the Take Action on Bag command from the right-click or Due List menu. The Scan IV dialog box displays.

Example: Take Action on Bag command



Example: Scan IV Dialog Box for Scanned Unique Identifier Number

Scan IV

Bag Information:
Current Bag Status: INFUSING
IV Bag Number: 750V137
Medication Route: INTRAVENOUS

Medication / Solutions:
DIGOXIN IMMUNE FAB 500 MG
D5%/NACL 0.45%/KCL 20MEQ 1000 ML

Other Print Info:
[2MG/ML] - BASAL=1MG/HR(0.5ML/HR)
PCA DOSE = 1MG (0.5ML) EVERY 10 MINUTES PRN
PCA LOCKOUT=5MG/HR (2.5ML/HR)*

Order Changes
IV Bag 750V137 is currently INFUSING, and the associated order has been changed. The order changes are listed below.
3/16/2012@1414 - OTHER PRINT INFO changed to Instructions too long. See Order View or BCMA for full text.

Enter a Comment (150 Characters Maximum):

Select an Action: []
Select an Injection Site: [Stopped Completed]

OK Cancel

Administering IV Bags with Unique ID Number

Changing the Status of an IV Bag (cont.)

To change the status of an IV bag from the Pharmacy (cont.)

- 2 In the Action drop-down list box, select the “action” that you want to take on the IV bag that you just scanned.
- 3 In the Comment area, enter the comments that you want to associate with the action just taken on the IV bag.
- 4 Click **OK**. BCMA marks the IV bag as “Infusing,” “Stopped” or “Completed” in the IV Bag Chronology display area of the BCMA VDL.

Example: IV Bag Marked As Completed in IV Bag Chronology Display Area of VDL



- 5 Continue administering active IV medications to the patient.

Administering Ward Stock Items

How BCMA Validates Ward Stock Items

When you scan the bar code on a Ward Stock Item, BCMA recognizes that it is a number other than a Unique Identifier Number. BCMA then displays the Ward Stock dialog box, requiring you to scan every Additive and Solution associated with the order on the BCMA VDL.

If you are unable to scan one or more Ward Stock items, you can use the Unable to Scan—Create WS command. After documenting the reason for the scanning failure and an optional comment, BCMA then displays the Ward Stock dialog, where you can type the IEN or National Drug Code number of every Additive and Solution associated with the order on the BCMA VDL.

After you complete the scanning (or Unable to Scan) process, you then select the injection site where you are administering the medication on the patient. BCMA marks the Ward Stock Item (IV bag) as “Infusing” in the IV Bag Chronology display area of the BCMA VDL. Unlike IV bags, which display with a “V” in the Unique Identifier Number, Ward Stock Items display with a “WS” and a system-assigned Unique Identifier Number.

Scanning and Verifying Medication Information



TIP:

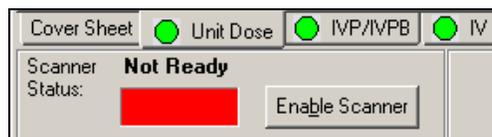
You do *not* have to select a medication order on the VDL, for a Ward Stock Item, before scanning the IEN on the Item.

Now you are ready to scan (and verify) the patient’s Ward Stock Items, and to officially begin the medication administration process.

To scan and verify Ward Stock Item with an IEN

- 1 At the patient’s VDL, first check the status of the scanner at the lower left corner of the VDL.
 - If the Scanner Status is “Ready” and **GREEN**, scan the bar code on the Ward Stock Item. BCMA processes the scan and displays the Ward Stock dialog box.).
 - If the Scanner Status is “Not Ready” and **RED**, click the **ENABLE SCANNER** button to enable the scanner, and scan the bar code on the medication.

Example: Scanner Status and Enable Scanner button



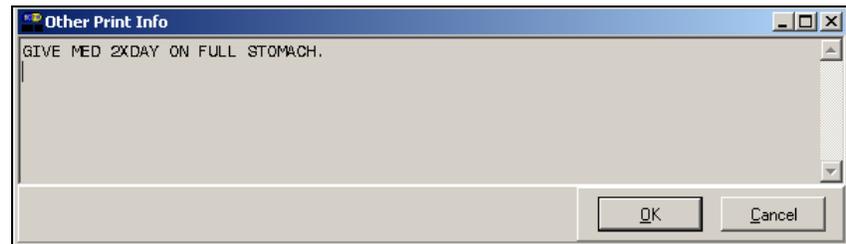
Administering Ward Stock Items

Scanning and Verifying Medication Information (cont.)

To scan and verify Ward Stock Item with an IEN (cont.)

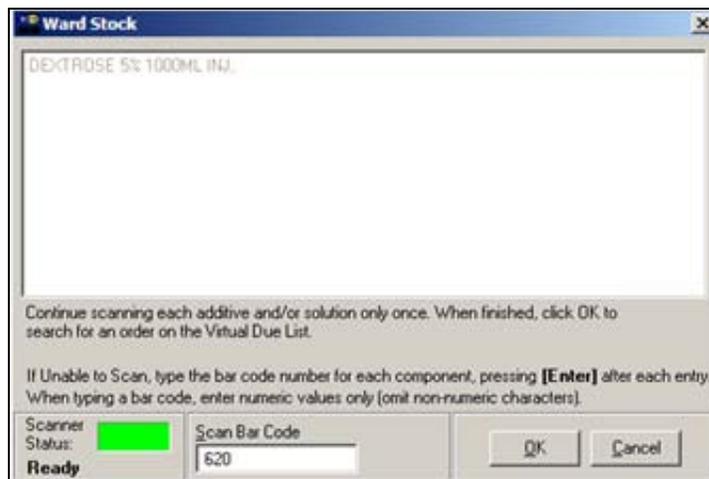
- 2 If applicable, the Other Print Info pop-up box displays. Review the Information message and click **OK** to continue.

Example: Other Print Info Pop-up Box



- 3 If you are unable to scan one or more Ward Stock components for any reason, right-click on the Ward Stock order, and select the Unable to Scan option from the right click or Due List menu. Proceed to the section “Unable to Scan IV Medication–Ward Stock” on page [219](#).
- 4 At the Ward Stock dialog box, scan **each** Additive and Solution for the Ward Stock Item that you want to administer to the patient.

Example: Ward Stock Dialog Box for Scanned Ward Stock Item



- 5 When finished scanning the related Additives and Solutions, click **OK**. BCMA processes the information, and searches for a “match” (order) on the BCMA VDL. If multiple orders match, it then displays the Multiple Orders for Scanned Drug dialog box, provided below.

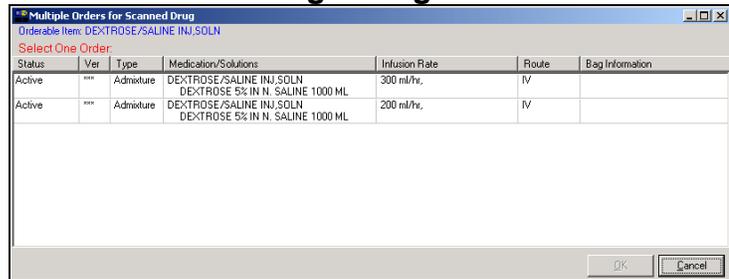
Administering Ward Stock Items

Scanning and Verifying Medication Information (cont.)

To scan and verify Ward Stock Item with an IEN (cont.)

Keyboard Shortcut: Press **TAB** to activate the **OK** button, and then press **ENTER** to display the Multiple Orders for Scanned Drug dialog box.

Example: Multiple Orders for Scanned Drug Dialog Box



Note: If an existing IV bag is already infusing for the selected order, BCMA will prompt you to complete the Infusing IV bag.

➤ If Non-Nurse Verified Orders Site Parameter “Prohibit Administration” is selected

The Error Message: “Order NOT Nurse-Verified! DO NOT GIVE!” displays.

- Click **OK** to acknowledge the message and click **OK** at the “Order Administration Cancelled” dialog to acknowledge the cancellation and return to the VDL without administering the medication.

➤ If Non-Nurse Verified Orders Site Parameter “Allow Administration with Warning” is selected

The Warning Message: “Order NOT Nurse-Verified! Do you want to continue?” displays.

- Click **OK** to acknowledge that the order has not been nurse verified and to continue the administration or click **Cancel** to display the “Order Administration Cancelled” dialog then click **OK** to acknowledge the cancellation and return to the VDL.

Note: Check your site policy to determine the correct workflow for verifying the order in CPRS.

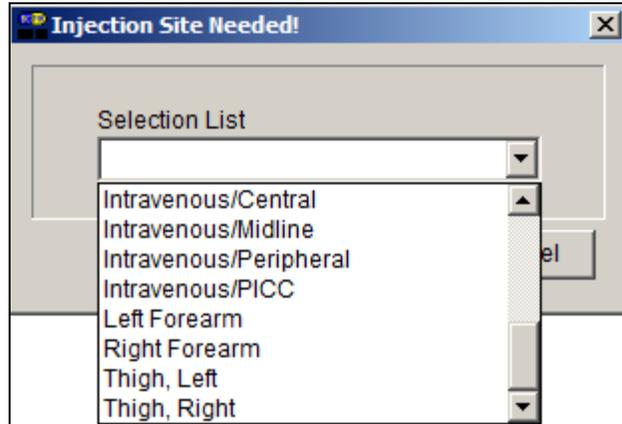
Administering Ward Stock Items

Scanning and Verifying Medication Information (cont.)

To scan and verify Ward Stock Item with an IEN (cont.)

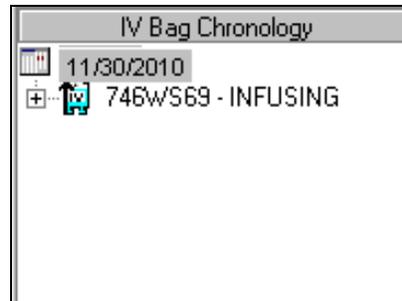
- 6 Select the order related to the Additives and Solutions that you just scanned, and then click **OK**. The Injection Site Selection dialog box displays.

Example: Injection Site Selection Dialog Box



- 7 In the Injection Site Selection drop-down list box, select the location where you are injecting the medication into the patient, and then click **OK**. BCMA processes the information, and then marks the IV bag as “Infusing” in the IV Bag Chronology display area of the BCMA VDL opposite the Unique Identifier Number assigned to the bag.

Example: Ward Stock Item Marked As Infusing in IV Bag Chronology Display Area of VDL



- 8 Write the Ward Stock Unique Identifier Number on the bag to identify the order related to its contents.
- 9 Continue administering active IV medications to the patient.



TIP:

BCMA assigns a Unique Identifier Number (with the letters “WS”), *after* you complete the administration process for the Item.

Administering Ward Stock Items

Unable to Scan IV Medication – Ward Stock



TIP:

You can report scanning failures without interrupting the medication administration process.

To administer an IV medication using Unable to Scan – Create WS

- 1 From the IV tab, select an IV order, then select the Unable to Scan – Create WS command from either the right-click or the Due List menu.

Note: If an existing IV bag is already infusing for the selected order, BCMA will prompt you to complete the Infusing IV bag.

Example: Unable to Scan – Create WS Right Click Option

Status	Ver	Type	Medication/Solutions	Infusion Rate
Active	***	Admixture	Add Comment Display Order F4 Special Instructions / Other Print Info F6 Injection Site History F7 Unable to Scan Unable to Scan - Create WS	50 ml/hr,
Active	***	Admixture	Mark Med History Missing Dose PRN Effectiveness	100 ml/hr,

➤ **If Non-Nurse Verified Orders Site Parameter “Prohibit Administration” is selected**

The Error Message: “Order NOT Nurse-Verified! DO NOT GIVE!” displays.

- Click **OK** to acknowledge the message and click **OK** at the “Order Administration Cancelled” dialog to acknowledge the cancellation and return to the VDL without administering the medication.

Administering Ward Stock Items

Unable to Scan IV Medication – Ward Stock (cont.)

To administer an IV medication using Unable to Scan – create WS (cont.)

➤ **If Non-Nurse Verified Orders Site Parameter “Allow Administration with Warning” is selected**

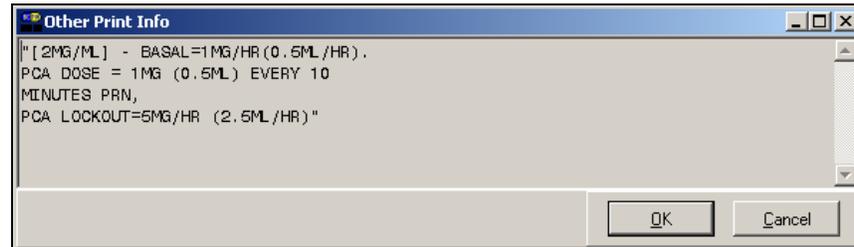
The Warning Message: “Order NOT Nurse-Verified! Do you want to continue?” displays.

- Click **OK** to acknowledge that the order has not been nurse verified and to continue the administration or click **Cancel** to display the “Order Administration Cancelled” dialog then click **OK** to acknowledge the cancellation and return to the VDL.

Note: Check your site policy to determine the correct workflow for verifying the order in CPRS.

- 2 If applicable, the Other Print Info pop-up box displays. Review the Information message and click **OK** to continue.

Example: Other Print Info Pop-up Box



- 3 At the Unable to Scan dialog box, verify the administration information displayed at the top of the box, including: Medication, Dosage/Infusion rate, Medication Route, Other Print Info, and Dispensed Drugs/Medications Solutions.

Administering Ward Stock Items

Unable to Scan IV Medication – Ward Stock (cont.)



TIP:

If the Scanning failure is not an equipment problem, you can scan the problematic bar code directly into the Comment field. This may help your IRM and Pharmacy staff zero in on the source of problem more quickly.

To administer an IV medication using Unable to Scan – create WS (cont.)

Example: Unable to Scan IV Dialog Box

- 4 Select an “Unable to Scan Reason” from the drop-down list box. Selections include: Damaged Medication Label, Dose Discrepancy, No Bar Code, Scanning Equipment Failure, and Unable to Determine.

Example: Unable to Scan Medication Reasons

Note: If you click **Cancel** at any point in the Unable to Scan process, the Unable to Scan event is not logged, an email is not sent, and the “Order Administration Cancelled” message displays. Click **OK** to return to the VDL

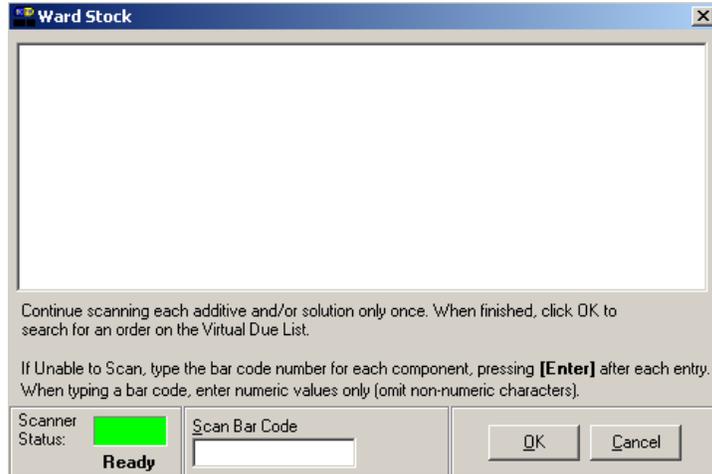
Administering Ward Stock Items

Unable to Scan IV Medication – Ward Stock (cont.)

To administer an IV medication using Unable to Scan – create WS (cont.)

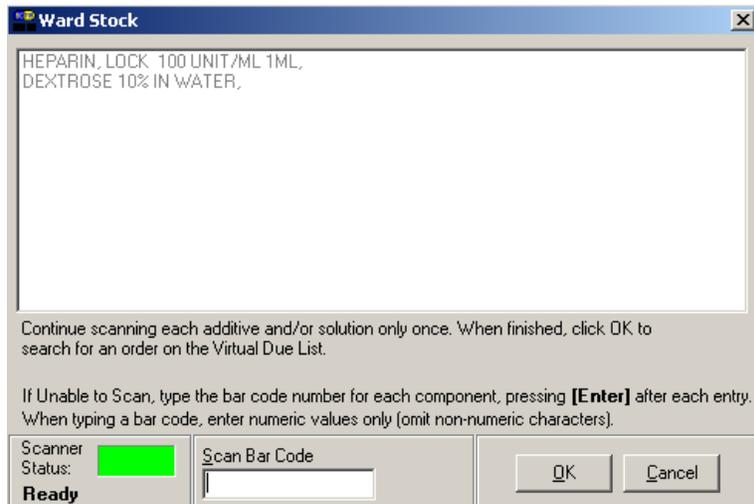
- 5 You may enter an optional text comment. Click **OK**. The Ward Stock dialog box displays. If you click **Cancel**, the “Order Administration Cancelled” message displays.

Example: Ward Stock Dialog Box



- 6 Enter the Drug IEN or National Drug Code (NDC) of **each** additive and solution from the medication package in the entry field. Press **Enter** after the entry. Verify that all necessary bag components are displayed correctly in the Ward Stock dialog box before continuing to the next step.

Example: Completed Ward Stock Dialog Box



Administering Ward Stock Items

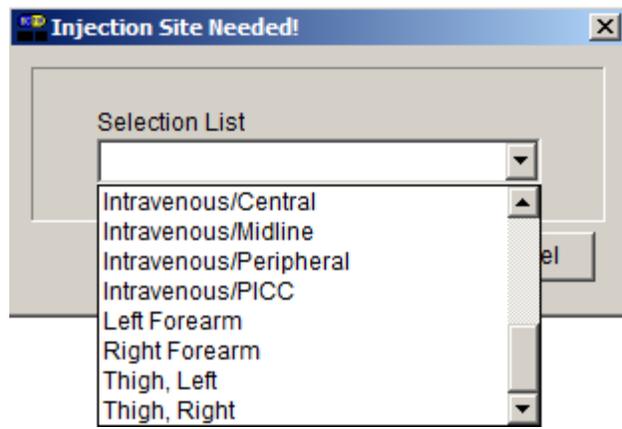
Unable to Scan IV Medication – Ward Stock (cont.)

To administer an IV medication using Unable to Scan – create WS (cont.)

Note: When entering the IEN or NDC number, remember that no letters, spaces or punctuation marks are allowed.

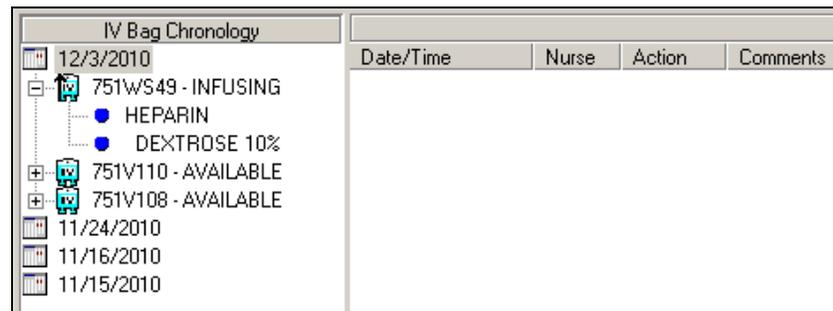
- 7 Click **OK**. BCMA processes the information, searches for a “match” (order) on the BCMA VDL. The Injection Site Selection dialog box displays.

Example: Injection Site Selection Dialog Box



- 8 In the Injection Site Selection drop-down list box, select the location where you are injecting the medication into the patient.
- 9 Click **OK**. A new bag is created and BCMA processes the information and marks the IV bag as “Infusing” in the IV Bag Chronology display area of the BCMA VDL opposite the Unique Identifier Number assigned to the bag. The new bag has a “WS” in the bag identifier indicating that it is a ward stock bag.

Example: Ward Stock Item Marked As Infusing in IV Bag Chronology Display Area of VDL



Administering Ward Stock Items

Changing the Status of a Ward Stock Item



TIP:

Marking an IV medication as “Stopped” is particularly helpful when a patient needs lab work completed. Then you can scan it again and mark it as “Infusing.”

Use this section when you want to change the status of a Ward Stock Item (IV bag) from “Infusing” to “Stopped” or “Completed” or from “Stopped” to “Infusing” or “Completed.”

To change the status of a Ward Stock Item

- 1 In the IV Bag Chronology display area of the BCMA VDL, select the Ward Stock Item (IV bag) that you want to take an action on.
- 2 Select the Take Action on Bag command from the right-click or Due List menu. The Scan IV dialog box displays.

Example: Scan IV Dialog Box for Selected Ward Stock Unique Identifier Number

Scan IV

Bag Information:
Current Bag Status: INFUSING
IV Bag Number: 741WS4
Medication Route: INTRAVENOUS

Medication / Solutions:
ALBUMIN 25% 100ML 100 ML

Other Print Info:
GIVE MED 2XDAY ON FULL STOMACH.

Order Changes

Enter a Comment (150 Characters Maximum):

Select an Action: **Stopped**
Select an Injection Site: Completed

OK Cancel

- 3 In the Action drop-down list box, select the “action” that you want to take on the IV bag that you just selected on the BCMA VDL.

Administering Ward Stock Items

Changing the Status of a Ward Stock Item (cont.)



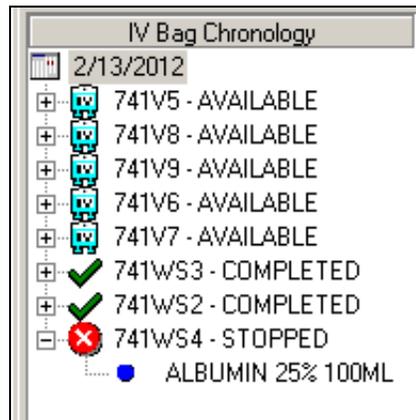
TIP:

In the Scan IV dialog box, you must enter a "Comment" for an IV bag with a status of "Stopped."

To change the status of a Ward Stock Item (cont.)

- 4 In the Comment area, enter the comments that you want to associate with the action just taken on the IV bag.
- 5 Click **OK**. BCMA marks the IV bag as "Infusing", "Stopped" or "Completed" in the IV Bag Chronology display area of the BCMA VDL.

Example: IV Bag Marked As Stopped in IV Bag Chronology Display Area of VDL



- 6 Continue administering active IV medications to the patient.

Administering a Patient's IV Medications

Administering an Order with Other Print Info



TIP:

Other Print Info helps to ensure that the patient receives the medication dosage required by the provider.

Information messages, like the ones provided below, display when the Pharmacy answers “YES” to a question in Inpatient Medications V. 5.0 about including Other Print Info in a Pop-up box after a nurse scans a medication. If the Pharmacy answers “NO” to the question, Other Print Info *only* displays in **RED** below the dispensed drug name in the Medication Order Display Area. You must acknowledge the message after administering the medication.

For example, Other Print Info may include information on titrating an IV, when to call the doctor, when to hold the medication based on patient vitals, and when to use standard protocols.

The default size of the Other Print Info popup window is approximately 80 characters wide with a minimum height of 6 lines. The width cannot be changed, and the height will automatically resize to accommodate the length of the message. If the vertical height of the message exceeds the size of the screen, a vertical scroll bar displays.

If the total height of the administration row, including Other Print Info, is equal to or greater than 19 lines, the following message displays in place of Other Print Info (bold red text): “**Too much information to display. Use right-click menu to display full text.**”

The following methods for displaying Other Print Info are provided on all three medication tabs:

- Right-click menu option entitled “Special Instructions / Other Print Info.”
- Due List Menu option entitled “Special Instructions / Other Print Info.”
- Shortcut function key (F6)

The following dialog boxes display Other Print Info:

- PRN Effectiveness Log
- PRN Medication Log
- Unable to Scan
- Medication Log
- Scan IV

Administering a Patient's IV Medications

Administering an Order with Other Print Info (cont.)

The vertical height of the Other Print Info display in the above dialog boxes is 6 lines. If text exceeds 6 lines, a scroll bar and “Display Instructions” button appear, and the following message displays in bold red text: “<Scroll down or click ‘Display Instructions’ for full text>.” When the “Display Instructions” button is clicked, Other Print Info will display in the pop-up.

Following is an example of the Scan IV dialog box with Other Print Info text that exceeds 6 lines.

Example: Scan IV Dialog Box

The screenshot shows the 'Scan IV' dialog box with the following sections:

- Bag Information:** Current Bag Status: **INFUSING**, IV Bag Number: 746WS11, Medication Route: INTRAMUSCULAR
- Medication / Solutions:** ACYCLOVIR 20 MG, AMINO ACID 6% 500 ML
- Other Print Info:** A scrollable area containing the text: "THIS TPN REQUIRES CYCLING.. ENSURE FINGER STICKS ARE BEING MONITORED DURING CYCLE", "RUN @ 50ML/HR x", "1HR", "RUN @ 83ML/HR x". A red message above the scroll bar reads: "<Scroll down or click 'Display Instructions' for full text>". A "Display Instructions" button is located to the right of the scroll bar.
- Order Changes:** An empty text area.
- Enter a Comment (150 Characters Maximum):** A text input field.
- Select an Action:** A dropdown menu with "Completed" selected.
- Select an Injection Site:** A dropdown menu with "Abdomen, Left Upper Quad" selected.
- Buttons:** "OK" and "Cancel" buttons at the bottom right.

To review Other Print Info from the Pharmacy

- 1 Review the Information message from the Pharmacy, and then click **OK** to return to the BCMA VDL.

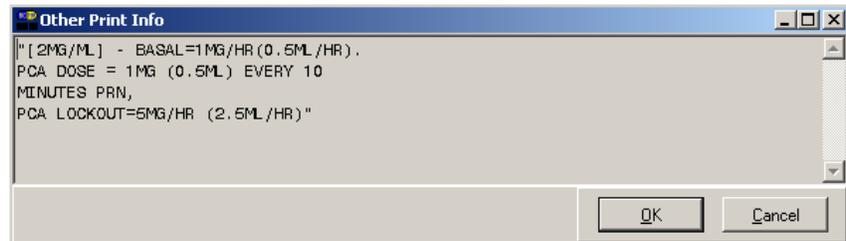
Keyboard Shortcut: Press **TAB** to activate the **OK** button, and then press **ENTER** to continue the medication administration process.

Administering a Patient's IV Medications

Administering an Order with Other Print Info (cont.)

To review Other Print Info from the Pharmacy (cont.)

Example: Other Print Info Pop-up Box



- 2 Continue administering active IV medications to the patient.

Administering a Patient's IV Medications

Marking an IV Bag as Held or Refused



TIP:

You can quickly mark an IV bag as "Held" or "Refused" using the Mark command from the Right Click drop-down menu.

Use this section when you need to "mark" an IV bag listed as "Available" or "Missing Dose" to "Held" or "Refused." The action taken on the IV bag displays in the IV Bag Chronology display area of the BCMA VDL.

Note: You can mark an IV bag that is on "Hold" to "Held," although it is not necessary that you do so unless required by your medical center.

To mark an IV bag as Held or Refused

- 1 Select the IV bag in the IV Bag Chronology display area of the BCMA VDL that you want to mark as "Held" or "Refused."
- 2 Select the Mark command from the Due List menu. The Mark drop-down menu displays, with the "actions" available for the IV bag selected in the IV Bag Chronology display area of the BCMA VDL.

Keyboard Shortcut: Press **ALT+D** to display the Due List menu, and then press **M** to display the Mark drop-down menu.

- 3 In the Action drop-down list box, select the action that represents how you want to "mark" the IV bag selected in the IV Bag Chronology display area of the BCMA VDL.

Keyboard Shortcut: Use the **ARROW** keys to select the command that represents the "action" that you want to take on the IV bag selected on the BCMA VDL.

Note: Held and Refused IV bags as well as IV bags marked as Missing Dose can be set to the Infusing state via scanning and via the Unable to Scan process. The "Take Action on Bag" option is not available for Held or Refused IV bags.

Administering a Patient's IV Medications

Marking an IV Bag as Held or Refused (cont.)



TIP:

The Mark options, available to you, will depend on the current Status of the IV bag.

To mark an IV bag as Held or Refused (cont.)

Example: Selecting a Reason for Marking an IV Bag as Held or Refused

Scan IV

Bag Information
Current Bag Status: AVAILABLE
IV Bag Number: 750V137
Medication Route: INTRAVENOUS

Medication / Solutions:
DIGOXIN IMMUNE FAB 500 MG
D5%/NACL 0.45%/KCL 20MEQ 1000 ML

Other Print Info:
"[2MG/ML] - BASAL=1MG/HR(0.5ML/HR).
PCA DOSE = 1MG (0.5ML) EVERY 10
MINUTES PRN.
PCA LOCKOUT=5MG/HR (2.5ML/HR)"]

Order Changes

Enter a Comment (150 Characters Maximum):

Select an Action: Held

Select a Reason: Agitation

- Agitation
- Apical Pulse Out of Range
- Blood Pressure Out of Range
- Constipation
- Diarrhea
- HEALED
- NPO
- Obtunded

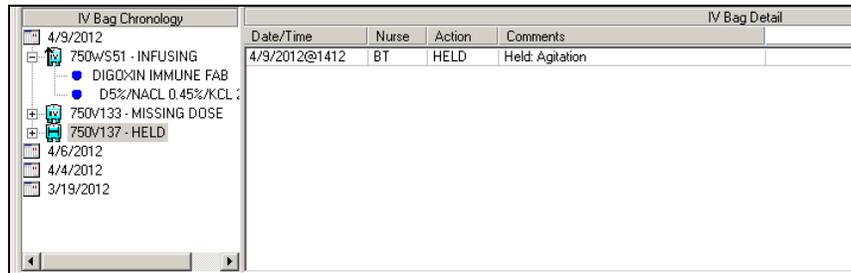
Administering a Patient's IV Medications

Marking an IV Bag as Held or Refused (cont.)

To mark an IV bag as Held or Refused (cont.)

- Specify a reason, from the drop-down list box, why you are changing the status of the IV bag selected on the BCMA VDL. BCMA processes the information, and then lists the "action" in the IV Bag Chronology display area of the BCMA VDL.

Example: An IV Bag Marked as Held on the VDL



IV Bag Chronology		IV Bag Detail			
4/9/2012	750WS51 - INFUSING	Date/Time	Nurse	Action	Comments
	• DIGOXIN IMMUNE FAB	4/9/2012@1412	BT	HELD	Held: Agitation
	• D5%/NAACL 0.45%/KCL				
	750V133 - MISSING DOSE				
	750V137 - HELD				
4/6/2012					
4/4/2012					
3/19/2012					

- Continue administering active IV medications to the patient.

Administering a Patient's IV Medications

Adding Comments to a Patient's Medication Record



TIP:

You can quickly add comments to a patient's IV bag that is Infusing, Held, or Refused by selecting the IV bag, and then selecting the Add Comment command from the Right Click drop-down menu.

You can add a comment (free text), up to 150 characters in length, to a patient's IV medication marked as "Infusing," "Stopped," "Completed," "Held," or "Refused" in the IV Bag Chronology display area of the BCMA VDL. Your comments will also display in the Medication Log Report.

To add comments to a patient's medication record

- 1 Select an IV bag in the IV Bag Chronology display area of the BCMA VDL that you want to add Comments.
- 2 Select the Add Comment command from the Due List menu. The Medication Log dialog box displays.

Keyboard Shortcut: Press **ALT+D** to display the Due List menu, and then press **A** to display the Medication Log dialog box.

- 3 In the Add Comment area, enter the comments that you want to associate with the medication selected on the BCMA VDL.

Example: Medication Log Dialog Box

Medication Log

Active Medication: MORPHINE*HIGH ALERT*INJ
Dispensed Drug: MORPHINE 2MG/1ML INJ SYR/MIAL
Special Instructions / Other Print Info:

Message:
Admin is 71 minutes after the scheduled administration time

Confirm Continuous Medication

Enter a Comment (150 Characters Maximum)
Patient complained of slight nausea.

OK Cancel

- 4 Click **OK** once you've read your entry and are satisfied with it. Your comment is displayed in the IV Bag Detail window.

Keyboard Shortcut: Press **TAB** to activate the **OK** button, and then press **ENTER** to continue.

Administering a Patient's IV Medications

Adding Comments to a Patient's Medication Record (cont.)



TIP:
BCMA automatically wraps words in the Comments section.

To add comments to a patient's medication record (cont.)

Example: IV Bag Detail with Comments Entered

IV Bag Chronology		IV Bag Detail			
12/3/2010	751V108 - AVAILABLE	12/3/2010@1648	BT		Patient complained of slight nausea.
	751WS49 - STOPPED	12/3/2010@1630	BT	HELD	Held: AGITATION
	751V110 - HELD				
11/24/2010					
11/16/2010					
11/15/2010					

Cover Sheet Unit Dose IVP/IVPB IV

Scanner Status: **Ready**

BCMANURSE, ONE ISC REGION 3

- 5 Verify that your comments were entered in the patient's record by clicking the Med Log button in the Tool Bar to access the Medication Log Report.

Example: Medication Log with Comments Entered

Medication Log Report
Continuing/PRN/Stat/One Time Medication/Treatment Record (Detailed Log) (VAF 10-2970 B, C, D) Run Date: DEC 03, 2010@16:56
Log Type: INDIVIDUAL PATIENT Page: 1

Patient: BCMAPATIENT, ONE SSN: 000-00-1212 DOB: APR 16, 1983 (27)
Sex: FEMALE Hc/Wc: +/+ Ward: CARDIO Rm CARDIO-4
Dx: ANGINA PECTORIS Last Hvcmt: JUL 7, 2010@15:16:09 Type: TRANSFER

ADRs: No ADRs on file.

Allergies: MORPHINE, TYLENOL PR

Activity Date	Orderable Item	Action	Action	Drug/Additive/Solution	U/Ord	U/Own Unit
Start Date	(Dose/Sched/Route/Inj Site)	By	Date/Time			
12/03/10 16:01	HEPARIN (120 ml/hr IV Inj Site: ARM, LEFT UPPER)	BT	12/03/10 16:18	HEPARIN - 1000 ML DEXTROSE 10% - 1000 ML	NA	NA NA
11/15/10 11:51			Stopped	Eag ID #751WS49		
2/13/11 11:52				Comments: 12/03/10 16:18 BT stop		
12/03/10 16:30	HEPARIN (120 ml/hr IV Inj Site: ARM, LEFT UPPER)	BT	12/03/10 16:30	HEPARIN - 1000 ML DEXTROSE 10% - 1000 ML	NA	NA NA
11/15/10 11:51			Held	Eag ID #751V110		
2/13/11 11:52				Comments: 12/03/10 16:30 BT Held: AGITATION 12/03/10 16:48 BT Patient complained of slight nausea		

BCMAPATIENT, ONE 000-00-1212 Ward: CARDIO Room-Bed: CARDIO-4

Comments entered by a clinician.

Note: You can view comments on the Medication Log Report if you select the "Audits" check box in the Include area of the Patient Medication Log dialog box. See Chapter 10, "Viewing and Printing BCMA Reports" for more information.

Administering a Patient's IV Medications

Marking Single Administration as Held or Refused



TIP:

In all cases, if nurse initials are displayed in the "Ver" column of the BCMA VDL for a particular administration, BCMA will allow the held, refused or missing dose actions to be taken with no warning to the user, regardless of which non-nurse verified orders parameter option is selected.

You can mark an Available or Stopped IV Bag as Held or Refused from the IV Bag Chronology window. This feature is particularly helpful when a patient is temporarily off their ward, or if they refuse to take their medications.

To mark single administrations as Held or Refused

- 1 Select the IV Bag you want to mark as Held or Refused.

Note: The options available on the Mark menu will depend on the current Status and Type of medication order. PRN administrations cannot be marked as Held or Refused.

- 2 Select the Mark command from the Right Click or Due List menu. The Mark drop-down menu displays with the "actions" available for these medications.

Keyboard Shortcut: Press **ALT+D** to display the Due List menu, and press **M** to display the Mark drop-down menu.

- 3 Select Held or Refused from the Mark menu.

➤ **If a Warning message indicates that the order is not nurse verified, see page 237.**

- 4 Select a Reason from the List on the Medication Log and click **OK**. BCMA processes the information and displays a letter in the Status column of the BCMA VDL to document the action taken on the medications.

Example: Medication Log when Medication Order is Marked Held

The screenshot shows the 'Medication Log' window with the following details:

- Active Medication: FUROSEMIDE INJ.SOLN
- Dispensed Drug:
- Special Instructions / Other Print Info:
- Message: Admin is 568 minutes after the scheduled administration time
- Medication Order Held: Select a Reason

Agitation	Diarrhea
Apical Pulse Out of Range	HEALED
Blood Pressure Out of Range	NPO
Constipation	Obtunded

Buttons: OK, Cancel

Administering a Patient's IV Medications

Marking Single Administration as Held or Refused (cont.)

To mark single administrations as Held or Refused (cont.)

Example: Medication Log when Medication Order is Marked Refused

The screenshot shows a 'Medication Log' window with the following fields and options:

- Active Medication: FUROSEMIDE INJ,SOLN
- Dispensed Drug:
- Special Instructions / Other Print Info:
- Message: Admin is 584 minutes after the scheduled administration time
- Medication Order Refused (selected):
 - Select a Reason
 - Diarrhea
 - Emesis
 - Nausea
 - Patient Request
 - Patient Spit Out
- Buttons: OK, Cancel

- 5 Continue administering active IV medications to the patient.

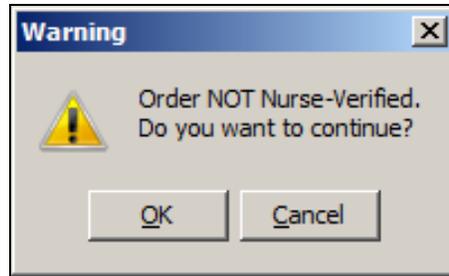
Administering a Patient's IV Medications

Marking Single Administration as Held or Refused (cont.)

To mark single administrations as Held or Refused (cont.)

- If “Allow Administration with Warning” or “Prohibit Administration” parameter option is selected

Example: Warning Message when Marking Single Non-Nurse Verified Administration as Held or Refused



- Click **OK** to continue the selected action. The Medication Log with Held or Refused reasons will display as appropriate to the workflow for the selected action.
- Click **Cancel** to return to the VDL.

Administering a Patient's IV Medications

Submitting a Missing Dose Request



TIP:

You can quickly submit a Missing Dose Request by selecting an IV bag in the IV Bag Chronology display area of the VDL, and then clicking once on the Missing Dose button in the Tool Bar.



TIP:

When the Pharmacy reprints a bar code label, the Unique Identifier Number falls off the VDL and a new one is assigned.

You can submit a Missing Dose request on an available IV Bag, as well as a bag marked Held or Refused. You can use the Missing Dose command or the Missing Dose button on the Tool Bar to send Missing Dose Requests directly to the Pharmacy. Your request will automatically print on a dedicated printer in the Pharmacy that your medical center predefined using the GUI BCMA Site Parameters application. BCMA will also send a MailMan message to a predefined mail group. If both are predefined, both will be notified.

BCMA V. 3.0 displays the words “MISSING DOSE” in the IV Bag Chronology display area, opposite the related Unique Identifier Number, after you submit a Missing Dose Request to the Pharmacy. This functionality will benefit the Pharmacy by identifying requests that have already been submitted, and by reducing the number of duplicate submissions that they receive on a daily basis.

To submit a Missing Dose Request

- 1 Select an IV bag, in the IV Bag Chronology display area of the BCMA VDL that is considered “Missing.”
 - 2 Select the Missing Dose command from the Due List menu.
- **If an Error or Warning message indicates that the order is not nurse verified, see [page 239](#).**

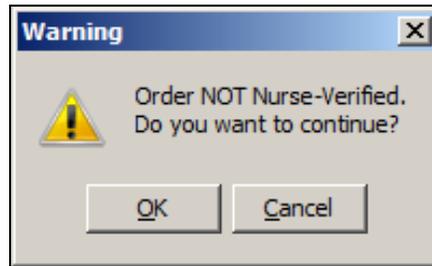
Administering a Patient's IV Medications

Submitting a Missing Dose Request (cont.)

To submit a Missing Dose Request (cont.)

- If Non-Nurse Verified Orders Site Parameter “Allow Administration with Warning” is selected, the following warning message displays.

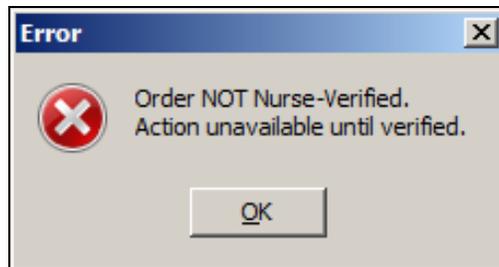
Example: Warning Message when submitting Missing Dose Request for Non-Nurse Verified Administration



- Click **OK** to acknowledge that the order has not been nurse verified. The Missing Dose Request dialog box will display. You may continue submitting the Missing Dose Request for the non-nurse verified order..
- Click **Cancel** to cancel the request.

- If Non-Nurse Verified Orders Site Parameter “Prohibit Administration” is selected, the following error message displays.

Example: Error Message when submitting Missing Dose Request for Non-Nurse Verified Administration



- Click **OK** to return to the VDL without submitting the Missing Dose Request.

Administering a Patient's IV Medications

Submitting a Missing Dose Request (cont.)

To submit a Missing Dose Request (cont.)

Note: Check your site policy to determine the correct workflow for verifying the order in CPRS.

Keyboard Shortcut: Press **ALT+D** to display the Due List menu, and then press **I** (not “L”) to display the Missing Dose Request dialog box.

Note: You cannot submit a Missing Dose Request for an IV bag marked as “Complete” in the IV Bag Chronology display area of the BCMA VDL. You can, however, change the status from Missing to Held or Refused. IV bags marked as Missing Dose can be set to the Infusing state via scanning and via the Unable to Scan process.

- 3 Verify the patient's name on the Tab at the top of the dialog box, and their location and medication information within the dialog box.

Example: Missing Dose Request Dialog Box

The screenshot shows a dialog box titled "Missing Dose Request" with a tab labeled "BCMAPATIENT.ONE". The dialog contains the following fields and controls:

- Ward:** Text box containing "7A GEN MED".
- Ordered Drug:** Text box containing "CORTISPORIN OPTH OINT".
- Dosage:** Text box containing "1ml".
- Administration Time:** Text box containing "08/01@1800".
- Date@Time Needed:** Text box, currently empty.
- Reason:** A dropdown menu, currently empty.
- Buttons:** "Submit" and "Cancel" buttons located at the bottom right.

Administering a Patient's IV Medications

Submitting a Missing Dose Request (cont.)



TIP:

Enter "N" (for NOW) if you want BCMA to automatically enter the current date and time in the dialog box for you when you move to the Reason drop-down list box.



TIP:

When you select the Missing Dose option, BCMA automatically populates the fields in the Missing Dose Request dialog box. You must complete all fields *before* submitting the request to the Pharmacy.

To submit a Missing Dose Request (cont.)

- In the Date@Time Needed field, enter the day and time when you need the medication for the patient using the VA FileMan Date/Time formatting guidelines listed below. You can use a date in the future or the past.

Date Formatting

- May 1, 2010, 01 MAY 10, 5/01/10, 050110
- N (for NOW)
- T (for Today)

Time Formatting

- 00:00 (For example, 14:00 for 2:00 p.m.)

Keyboard Shortcut: Press **TAB** to move among the fields on the dialog box.

Note: If the year is omitted, the computer uses the current year. A two-digit year assumes no more than 20 years in the future, or 80 years in the past.

- In the Reason field, click once on the drop-down arrow to display pre-defined reasons why you are sending this request to the Pharmacy.

Keyboard Shortcut: Use the **ARROW** keys to locate and select a Reason in the drop-down list box.

Example: Missing Dose Request Dialog Box

Missing Dose Request

BCMAPATIENT.ONE

Ward
7A GEN MED

Ordered Drug
BETHANECHOL CHLORIDE 25MG TAB

Dosage
50MG

Administration Time
07/14@0900

Date@Time Needed

Reason

- Barcode/EN Illegible
- Dropped
- Empty Package
- Not Available
- Package Contents Damaged
- Package Integrity Damaged
- Wrong Dose/Drug Delivered

Administering a Patient's IV Medications

Submitting a Missing Dose Request (cont.)

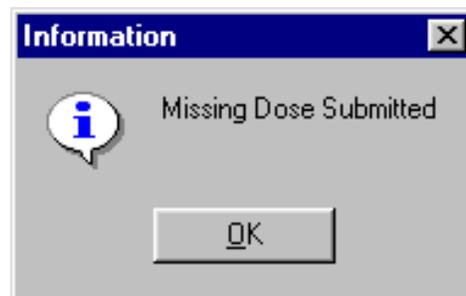
To submit a Missing Dose Request (cont.)

- 6 Verify the information in the dialog box, and then click **SUBMIT** to send the request to the Pharmacy, where it prints on a predefined printer. An Information message displays. A MailMan message will also be sent to a mail group if predefined using the GUI BCMA Site Parameters application.

Keyboard Shortcut: Press **TAB** to activate the **SUBMIT** button, and then press **ENTER** to display the Information message.

- 7 Read the Information message, and then click **OK**. BCMA processes the request, and then displays the word "Missing" in the IV Bag Chronology display area opposite the related Unique Identifier Number.

Example: Missing Dose Submission Message



Understanding the CPRS Med Order Button

Benefits of this Chapter

This chapter describes the process for using the CPRS Med Order Button (or “Hot Button”) in BCMA V. 3.0. It describes the many benefits of this new enhancement, and the steps for using it — plus it provides a flow chart for you to discover the workflow using this button.

Providing a Link to CPRS



TIP:

The CPRS Med Order button is particularly useful in ICU-type environments, where STAT and medication orders are quite common.



TIP:

Unit Dose and IV Piggyback orders do *not* display on the VDL since One-Time orders only display until the Stop Date/Time of the order or once it is Given.

BCMA V. 3.0 includes the CPRS Med Order Button, a “link” to CPRS for electronically ordering, documenting, reviewing, and signing verbal- and phone-type STAT and (One-Time) medication orders for Unit Dose and IV medications that you have already administered to patients. This feature is particularly beneficial in ICU-type environments, as it helps streamline the workflow in such a busy setting. For instance, this button provides a secure, seamless environment for interfacing with three Vista applications to electronically document the medication administration process. They include BCMA V. 3.0, CPRS V. 1.0, and Inpatient Medications V. 5.0.

How the CPRS Med Order Button Works

Using the “Hot Button” in BCMA is quick and easy. Simply click the CPRS Med Order button on the BCMA VDL Tool Bar to perform tasks using the BCMA Order Manager and CPRS Order dialog boxes. These order types are then passed to the Inpatient Medications V. 5.0 software application as “nurse-verified” expired orders with a priority of “Done.” A pharmacist must still verify these order types. The provider selected during the Ordering process will receive an “alert,” requesting their electronic signature on the order.

Verifying the Documentation Process

Order types documented with the CPRS Med Order button do not display on the BCMA VDL *unless* they are large-volume IV or non-intermittent syringe type orders administered over a period of time. In that case, they display on the BCMA VDL under the IV Medication Tab as “Infusing.”

You can, however, print the Medication Log and the MAH Reports from the Reports menu (or Tool Bar) within BCMA, or using the Reports Tab in CPRS, to verify that these orders were properly documented. On the Medication Log, the text titled “BCMA/CPRS Interface Entry,” displays opposite the order. You can edit these orders using the *Edit Medication Log* [PSB MED LOG EDIT] option in the CHUI version of BCMA.

Understanding the CPRS Med Order Button

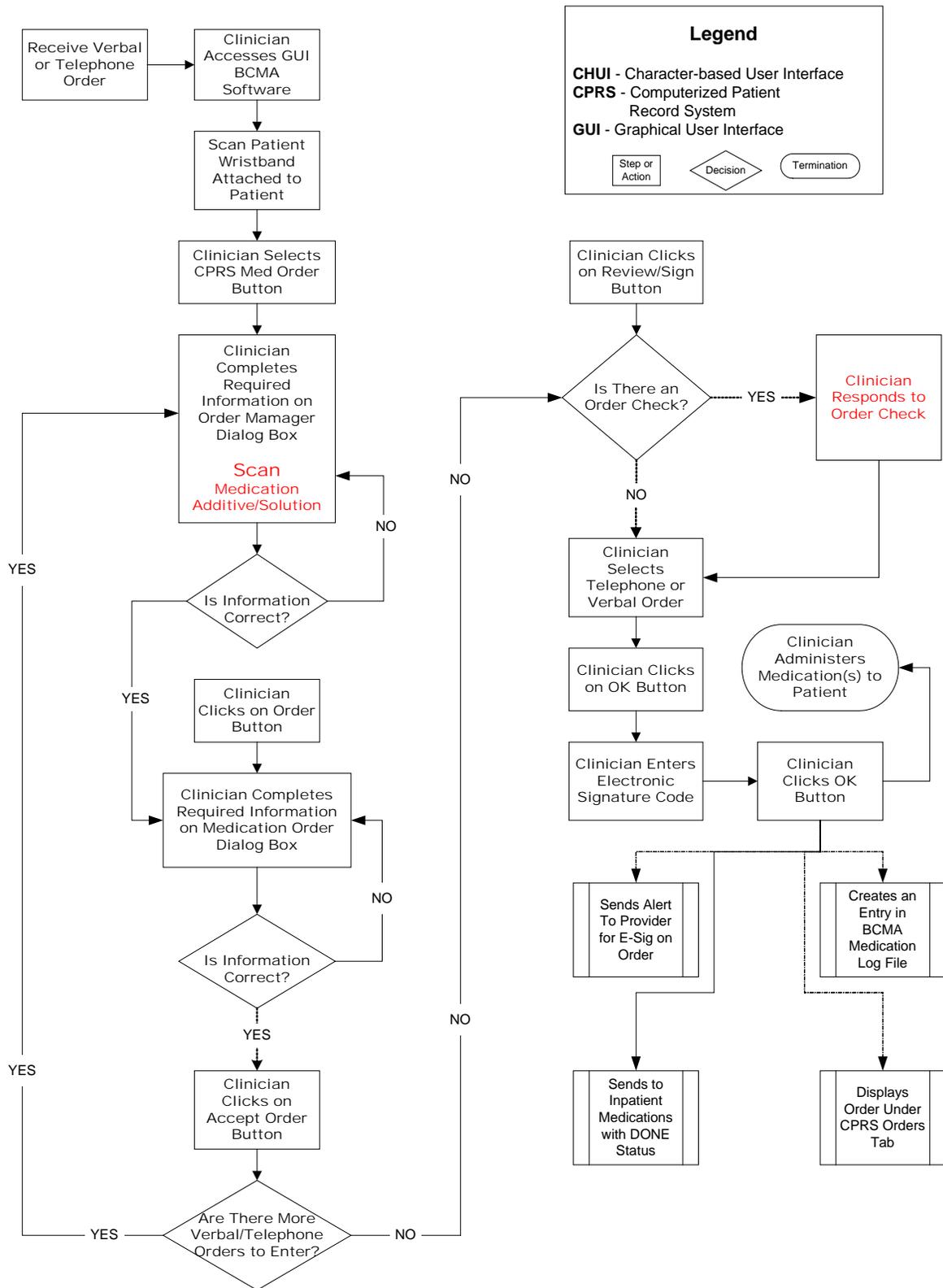
Enabling the CPRS Med Order Button Functionality

You can enable the CPRS Med Order Button functionality, at your division, by performing the steps listed below.

To enable the CPRS Med Order Button functionality

- 1** Select the “Enable CPRS Med Order Button” check box under the Parameters Tab of the GUI BCMA Site Parameters application.
- 2** Assign the secondary menus “PSB GUI CONTEXT – USER” and “OR BCMA ORDER COM” to each BCMA user.
- 3** Assign the PSB CPRS MED BUTTON security key to appropriate site personnel.
- 4** Verify that the user has been assigned the ORELSE security key associated with CPRS.

Workflow for CPRS Med Order Button



Using the CPRS Med Order Button

Ordering and Documenting STAT or NOW Orders



TIP:

You can enter Unit Dose and IV orders using the same CPRS Med order Button session, regardless of the Medication Tab selected on the VDL

Follow the instructions in this section to use the CPRS Med Order Button from the BCMA VDL. Once you activate the button, BCMA passes patient data from the BCMA Order Manager dialog box to CPRS, for ordering, documenting, reviewing, and signing STAT or NOW medication orders already administered to patients.

Note: The patient that you are ordering and documenting orders about must have a status and location of “inpatient.”

To order/document STAT or NOW orders

- 1 Click the **CPRS MED ORDER** button on the Tool Bar of the BCMA VDL. The BCMA Order Manager Dialog box then displays.

Example: BCMA Order Manager Dialog Box

Order Manager

Order Type: Unit Dose IV

IV's: IV Type: [dropdown] Int Syringe: [dropdown]

Provider: [text field]

Injection Site: [dropdown]

Action Date/Time: [text field]

Medications and/or Solutions Scanned

Scanner Status: [red box] Not Ready

Scan Medication Bar Code: [text field]

[Review/Sign] [Order] [Cancel]

Using the CPRS Med Order Button

Ordering and Documenting STAT or NOW Orders (cont.)



TIP:

If you omit the year, the computer uses the current year. A two-digit year assumes no more than 20 years in the future, or 80 years in the past.



TIP:

You can document/order several Unit Dose medications, one after the other, provided you are scanning (or entering) the same *orderable item*.

To order/document STAT or NOW orders (cont.)

- 2 Under the Order Type area of the dialog box, perform one of the following actions:
 - Select the Unit Dose Radio button if you want to order/document a STAT or NOW Unit Dose medication. Proceed to step #3.
 - Select the IV Radio button if you want to order/document a STAT or NOW IV medication. Then complete the IV's area of the dialog box, and proceed to step #3.
 - The fields that need completed under the IVs area of the dialog box relate to the IV Type selected.
- 3 Complete the Provider field, and then press **TAB** to move to the Injection Site field, and complete that field if applicable to the order.
 - If you enter the provider's full last name and first name, BCMA finds an exact match.
 - If you enter the provider's last name or a portion of their last name and then press **TAB**, BCMA provides matches in a list box so you can select the correct provider for the order.
 - The provider selected for this field will receive an "alert" notifying them that they need to sign the order.

Keyboard Shortcut: Press **TAB** to move among the fields within the dialog box. Use the **DOWN ARROW**, within a list box, to make your selection.

- 4 Complete the Action Date/Time field, and then press **TAB** to display your date/time entry and continue with the order/document process.
 - Enter the date and time when you administered the medication to the patient, using the VA FileMan Date/Time formatting guidelines listed below. Keep in mind that the system does not accept a date/time in the future.

Date Formatting

- May 1, 2010, 01 MAY 10, 5/01/10, 050110
- N (for NOW)
- T (for Today)
- T-1 (for Yesterday)

Time Formatting

- 00:00 (For example, 14:00 for 2:00 p.m.)

Using the CPRS Med Order Button

Ordering and Documenting STAT or NOW Orders (cont.)

To order/document STAT or NOW orders (cont.)

- 5 Scan the bar code number on the Unit Dose medication or IV Additive/Solution ordered for the patient. BCMA will process the scan, and then display the medication or additive/solution in the Medications and/or Solutions Scanned list box.
 - **If multiple drugs are available for the selected order,** BCMA provides a list box with choices. Select the medication that you want to document/order, and then click **OK** to enter your selection in the Medications and/or Solutions Scanned list box.
 - **If the bar code is missing or unreadable,** enter one or more alpha characters in the Scan Medication Bar Code field, and then press enter. BCMA will perform a look-up for you, and then display its findings. Select a drug name, and then click ok to enter your selection directly into the Medications and/or Solutions Scanned list box.

Note: If your Scanner setting has an **ENTER** (carriage return) defined at the end of each scanning session, the medication look-up will occur without you having to press **ENTER**.

- 6 Click the **ORDER** button to continue the ordering process. A CPRS Order dialog box displays related to the type of medication order that you entered.
 - If you placed a Unit Dose medication order, proceed to the section “Accepting an Administered Unit Dose Order” on page [250](#).
 - If you placed an IV medication order, proceed to the section “Accepting an Administered IV Order” on page [251](#).

Using the CPRS Med Order Button

Accepting an Administered Unit Dose Order

The CPRS Medication Order dialog box displays so you can complete and accept the STAT or NOW Unit Dose medication order that you just ordered/documentated for your patient.

Example: CPRS Medication Order Dialog Box

Dosage	Route	Schedule
325MG		NOW
10MG	0.029	NOW
20MG	0.058	STAT
325MG	0.025	
650MG	0.05	

Comments: Give with milk.

ACETAMINOPHEN TAB
325MG NOW Give with milk.

Accept Order
Quit



TIP:

CPRS provides a message if information is missing from fields, or needs corrected.

To accept an administered Unit Dose order

- 1 Enter data in the Dosage, Route, and Schedule fields of the dialog box, if they are not populated from BCMA. You can enter information in the Comments field, if desired.
- 2 When you are done entering the data, click the **ACCEPT ORDER** button. CPRS will perform order checks, and prompt you to address these checks should they occur. CPRS returns you to the BCMA Order Manager Dialog box to order/document additional administered STAT or NOW Unit Dose orders, or to the Review/Sign Changes dialog box to review and sign this order. Proceed to the section “Reviewing and Signing STAT or NOW Orders” on page [252](#).

Keyboard Shortcut: Press **TAB** to move among the fields of the dialog box and to activate the **ACCEPT ORDER** button. Once activated, press **ENTER** to display the BCMA Order Manager dialog box again for ordering/documenting additional Unit Dose medication orders.

Note: If you click **QUIT**, CPRS displays a message asking if you want to save the order. If you click **NO**, CPRS cancels the order and returns you to the BCMA Order Manager dialog box so you can begin again.

Using the CPRS Med Order Button

Accepting an Administered IV Order

The CPRS IV Fluid Order dialog box displays so you can complete and accept the STAT or NOW IV Additives/Solutions medication order that you just ordered/documentated for your patient.

Example: CPRS IV Fluid Order Dialog Box

Solution/Additive	Volume/Strength
DEXTROSE INJ,SOLN	500 ML

Infusion Rate: 500 ml/hr

Comments:

Order text:
DEXTROSE INJ,SOLN 500 ml 500 ml/hr

Buttons: Accept Order, Quit



TIP:

CPRS provides a message if information is missing from fields, or needs corrected.

To accept an administered IV order

- 1 Enter the volume or strength for the additive or solution, and then enter data in the Infusion Rate field of the dialog box, if it is not populated from BCMA. You can enter information in the Comments field, if desired.
- 2 When you are done entering the data, click the **ACCEPT ORDER** button. CPRS will perform order checks, and prompt you to address these checks should they occur. CPRS returns you to the BCMA Order Manager Dialog box to order/document additional administered STAT or NOW IV orders, or to the Review/Sign Changes dialog box to review and sign this order. Proceed to the section “Reviewing and Signing STAT or NOW Orders” on page [252](#).

Keyboard Shortcut: Press **TAB** to move among the fields of the dialog box and to activate the **ACCEPT ORDER** button. Once activated, press **ENTER** to display the BCMA Order Manager dialog box again for ordering/documenting additional IV medication orders.

Note: If you click **QUIT**, CPRS displays a message asking if you want to save the order. If you click **NO**, CPRS cancels the order and returns you to the BCMA Order Manager dialog box so you can begin again.

Using the CPRS Med Order Button

Reviewing and Signing STAT or NOW Orders



TIP:

The Example provided on this page shows information for a Unit Dose order.

To review/sign STAT or NOW orders

- 1 At the BCMA Order Manager dialog box, perform one of the following actions:
 - Order/document another STAT or NOW medication order, beginning at step #1 of this chapter.
 - Proceed to the next step to submit orders for review and signature.
- 2 Click the **REVIEW/SIGN** button to display the Review/Sign Changes dialog box.

Example: Review/Sign Changes Dialog Box

Review / Sign Changes

Orders

Orders -

ACETAMINOPHEN TAB 325 ML oral NOW DONE Give with milk. *UNSIGNED*

Release to Service

Verbal Telephone

OK Cancel

- 3 Review the medication orders to ensure that they are accurate and properly entered.
 - **If a medication is not applicable to the patient's order**, click inside the appropriate check box to de-select the medication.

Keyboard Shortcut: Use the **ARROW** keys to move among the medication orders in the list box, and the **SPACEBAR** to deselect an order listed.

- 4 Under the Release to Service area, select the Radio button (Verbal or Telephone) that applies to the STAT or NOW medication orders that are “selected” in this dialog box, and then click **OK**. The Electronic Signature Code dialog box displays. Proceed to the next step.

Keyboard Shortcut: Press **TAB** to move among the Radio buttons.

Using the CPRS Med Order Button

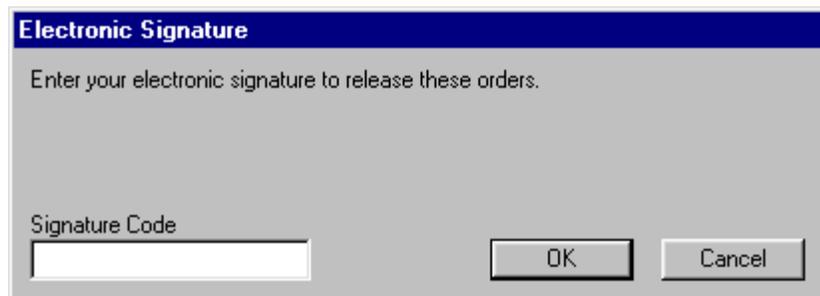
Reviewing and Signing STAT or NOW Orders (cont.)

To review/sign STAT or NOW orders (cont.)

- 5 At the Electronic Signature dialog box, enter your signature code, and then click **OK** to finalize the order(s).
 - **If there are no problems** with the order, it will process and you will be returned to the BCMA VDL.
 - **If there is a problem** with the order, a message displays noting the problems, and the order is cancelled. You are returned to the BCMA VDL. The provider also receives an alert message about the order(s).

Keyboard Shortcut: Enter your signature code, and then press **TAB** to activate the **OK** button. Once activated, press **ENTER** to finalize the order.

Example: Electronic Signature Dialog Box



The dialog box has a blue title bar with the text "Electronic Signature". Below the title bar, the text "Enter your electronic signature to release these orders." is displayed. Underneath this text is a text input field with the label "Signature Code" positioned above it. To the right of the input field are two buttons: "OK" and "Cancel".

Using the CPRS Med Order Button

Processes Completed By Each Application

This section describes the many tasks that are completed in the “background” by BCMA, CPRS, and Inpatient Medications — and those tasks that involve your Pharmacy staff.

- **BCMA** processes the orders by passing the administration date/time to Inpatient Medications, and creates an entry in the Medication Log. It then refreshes the BCMA VDL with any IV Admixture or Non-Intermittent syringe type STAT or NOW orders.
 - Unit Dose and IV Piggyback orders will not display on the BCMA VDL.
 - An IV bag will display on the BCMA VDL as “Infusing” in the IV Bag Chronology display area.
- **CPRS** performs order checks, marks all medications as “nurse-verified” with a priority of “Done,” and sends them to Inpatient Medications V. 5.0. The order displays under the Orders Tab in CPRS.
- **Inpatient Medications** displays orders as “nurse-verified,” expired orders requiring verification by the Pharmacy. A pharmacist can enter a Progress Note after verifying the order.
 - The letter “d” (lowercase letter) immediately precedes the order on the Inpatient Profile to indicate that the order is done.
 - The Inpatient Medications Order View screen displays “(DONE)” in the upper left-hand corner of the screen, after the order type designation of Unit Dose or IV.

Editing the Medication Log

Benefits of this Chapter

Use this chapter when you need to edit a specific medication administration entry that has been created during the medication administration process. Using this option, you can even perform a patient lookup to complete edits to past medications, even after the patient has been discharged or deceased.

Accessing the Edit Med Log Option

This chapter describes how to use the Edit Med Log option in GUI BCMA for editing a patient's medication log. It is divided into two sections—Accessing the Edit Med Log Option and Using the Edit Med Log Option.

You can access the Edit Med Log option for an open patient record on the screen, or from a blank BCMA screen. This section describes how to access the Edit Med Log option and how to change the administration date.

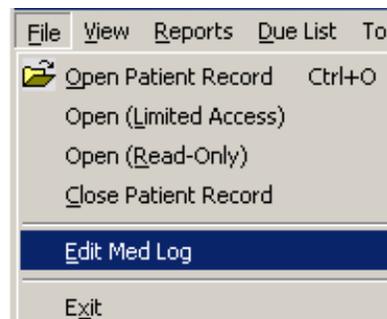
Notes:

- You can only edit a medication entry for an order that you have administered, unless you hold the PSB MANAGER Security key. With this key, you can also edit other user's medication entries. BCMA tracks all edits, which you can include on the Medication Log Report by selecting the "Audits" option when requesting a report.
- The Edit Med Log option is also available while using Limited Access mode.
- The Edit Med Log option is not available for users with the PSB READ ONLY security key, or when users open a patient record in Read-Only mode. For more information, please refer to Chapter 8, "Read-Only and Limited Access BCMA."

To access the Edit Med Log option

- 1 Select the Edit Med Log option from the File menu.

Example: Edit Med Log Option



Keyboard Shortcut: Press **ALT+F** to display the File menu, and then press **E** to display the Edit Med Log Administration Selection dialog box or the Patient Select dialog box.

Editing the Medication Log

Accessing the Edit Med Log Option (cont.)

To access the Edit Med Log option (cont.)

- 2 Perform one of the following actions:
 - If you have an open patient record on the VDL, the Edit Med Log Administration Selection dialog box displays the current patient's medications that were administered today. Proceed to step #5 to change the Administration Date if necessary.

Example: Edit Med Log Administration Selection Dialog Box

Type	Medication	Status	Action Date/Time	Int
C	POTASSIUM CHLORIDE INJ SOLN (751V88)	COMPLETED	11/24/2010@1550	MN
C	PENICILLIN INJ (751W537)	COMPLETED	11/24/2010@1534	MN
C	HEPARIN SOLN (751W548)	COMPLETED	11/24/2010@1519	MN

- If no patient record is currently open on the VDL, the Patient Select dialog box displays. Enter the patient's Social Security Number (SSN), patient's name (last,first with no spaces), Rm-Bd, or Ward. Proceed to step #3.

Note: The system automatically searches for patient records that match your search criteria as it is being entered. For example, if you enter a partial name or SSN, it searches for records that match your entry.



TIP:

You can double-click on a patient record to open it in the Edit Med Log window.

- 3 Select the patient name from the Patient Select dialog box and click **OK**. The Patient Confirmation dialog box then displays.

Example: Edit Med Log Patient Select Dialog Box

Name	SSN	DOB	Rm-Bd	Ward
BCMAPATIENT.ONE	000009670	3/22/1947	724A	7A GEN MED
BCMAPATIENT.THREE	000009945	7/31/1920	724C	7A GEN MED

Editing the Medication Log

Accessing the Edit Med Log Option (cont.)

To access the Edit Med Log option (cont.)

- 4 At the Patient Confirmation dialog box, perform one of the following actions:
 - If the patient lookup is correct, click **YES**. The Edit Med Log Administration Selection dialog box then displays.
 - If the patient lookup is incorrect, click **CANCEL** and repeat steps #2-3 to select another patient.

Note: If any active PRF assignments exist for this patient, the **DETAILS** button will be enabled in the Patient Flags section of the dialog box. It is strongly recommended that you click the **DETAILS** button to view the Patient Record Flag report, especially for behavioral flags, to view information which may be critical to patient and employee safety.

Keyboard Shortcut: Press **TAB** to activate the **YES** or **CANCEL** button, and then press **ENTER** to continue.

Example: Patient Confirmation Dialog Box

BCMA - Patient Confirmation

Name: BCMAPATIENT_ONE Ward: 7A GEN MED
SSN: 000-00-9678
DOB: 9/2/1947 Rm-Bd: 724-A

Allergies:
Latex, Strawberries

ADRs:
No ADRs on file

Patient Flags: Details

Is this the correct patient?

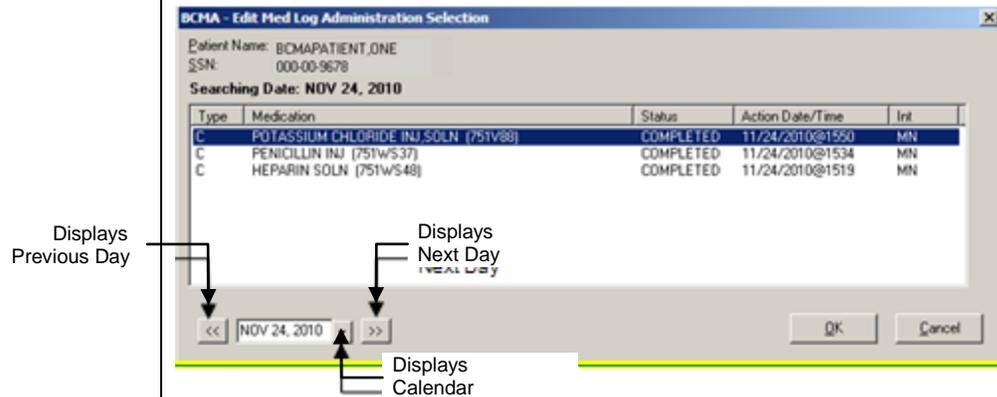
Yes Cancel

Editing the Medication Log

Accessing the Edit Med Log Option (cont.)

To access the Edit Med Log option (cont.)

Example: Edit Med Log Administration Selection Dialog Box



TIP:

Before you can manually enter a date, make sure that you highlight the existing date so that it will be replaced by the new date entry.

5 The Edit Med Log Administration Selection dialog box displays all of the medications administered for the selected patient for the date shown. By default, it displays medications that were administered today. To change the date, perform one of the following actions:

- In the date field, type a valid date and then press **ENTER**. Valid date formats include NOV 24 2010, 24 NOV 10, 11/24/10, or 112410.

Keyboard Shortcut: Press **TAB** or **SHIFT-TAB** to move among the different areas of the dialog box.

- Use the left or right **ARROW** buttons on either side of the date field to display medications administered on the previous or next day.
- Click the **DOWN ARROW** button to display a calendar. You can use the scroll arrows in the upper corners of the calendar to display a different month, and then click on a date on the calendar. Click **OK** to close the calendar.

Note: The Edit Med Log option does not allow access to future dates. See example below for other calendar options.

Editing the Medication Log

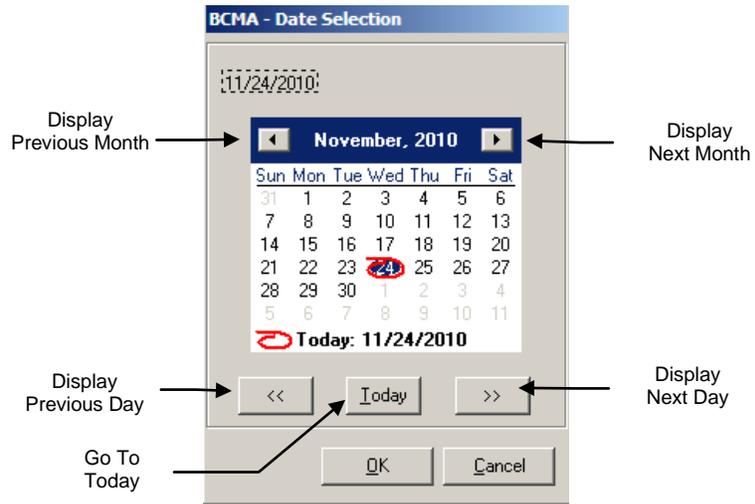
Accessing the Edit Med Log Option (cont.)



TIP:

You can right-click on the month name in the titlebar to display a drop-down list of months, or on the year to display a drop-down list of years.

Example: Date Selection Calendar



- 6 After selecting a medication administration date, perform one of the following actions:
 - If the administered medication(s) you intend to edit is displayed, proceed to the next section “Using the Edit Med Log Option.”
 - If no medications were administered on the date you selected, BCMA displays a “No Meds Found!” message. Repeat step #5 to select another date.

Editing the Medication Log

Using the Edit Med Log Option



TIP:

For instructions on accessing the Edit Med Log option and changing the administration date, refer to the previous section “Accessing the Edit Med Log Option”.



TIP:

You can double-click on a medication to open it in the Edit Med Log dialog box.

This section describes how to edit a patient’s medication log using the Edit Med Log option. You edit the Admin Status, Action Date/Time, Injection Site (if applicable), and PRN Reason and Effectiveness (if applicable). You can edit the Dispensed Drug, Units Given, and Units for Unit Dose orders only. You may also add a Dispensed Drug if needed.

Note: Every field on the Edit Med Log dialog box is audited and displays on the Medication Log Report when you select the “Audits” option.

After you have selected the desired administration date, the Edit Med Log Administration Selection dialog box displays the patient’s name, Social Security Number (SSN) and the following data for medications administered on that date:

- **Type:** Schedule Types, such as C for Continuous, OC for On-Call, O for One-Time, and P for PRN.
- **Medication:** Name of the orderable item.
- **Status:** Displays the administration status information for a medication, such as Given, Refused, Held, Removed, Missing Dose, Infusing, Stopped, Complete, and Unknown.
- **Action Date/Time:** Displays the date and time of the last action taken on the medication.
- **Int:** Displays the initials of the individual who documented the last action.

Example: Edit Med Log Administration Selection Dialog Box

Type	Medication	Status	Action Date/Time	Int
P	FENTANYL INJ SOLN	GIVEN	10/6/2010@1339	
P	ACE TAMINOPHEN TAB	GIVEN	10/6/2010@1017	
OC	GELUSIL TAB,CHEWABLE	GIVEN	10/6/2010@0951	
C	GELUSIL TAB,CHEWABLE	GIVEN	10/6/2010@0951	
OC	GELUSIL TAB,CHEWABLE	GIVEN	10/6/2010@0951	
OC	GELUSIL TAB,CHEWABLE	GIVEN	10/6/2010@0949	
P	ACE TAMINOPHEN TAB	GIVEN	10/6/2010@0914	
P	ACE TAMINOPHEN TAB	GIVEN	10/6/2010@0912	

To edit an administered medication

- 1 From the Edit Med Log Administration Selection dialog box, click on the administered medication that you want to edit, and then click **OK**. The Edit Med Log dialog box then displays.

Editing the Medication Log

Using the Edit Med Log Option (cont.)



TIP:

To see a table of valid actions for the Admin Status field, click on the field and then press the **F1** key or right-click on the field, and then click "What's this?"



TIP:

If an order created in BCMA CHUI *Manual Medication Entry* is not completed with a valid administration status, the Admin Status will be stored as null (blank), display as Unknown (U) on the VDL, and must be corrected in Edit Med Log.

To edit an administered medication (cont.)

Note: If you are about to edit an administration associated with an order that has a "Provider Hold" status, a warning message will display.

- 2 In the Admin Status field, select an action from the drop-down list box that reflects the correct status of the medication administration. The drop-down list will only display valid actions based on the current order type, the current action status, and the action status of other administrations for the same order (when applicable).

Note: If the administration status is Unknown, the Admin Status field will be blank, and the user must change the status to Given, Not Given, Held, or Refused. Administrations cannot be changed to a status of Missing.

Keyboard Shortcut: Use the **ARROW** keys to locate and select an Admin Status in the drop-down list box.

Example: Edit Med Log Dialog Box

BCMA - Edit Med Log

Patient Name: BCMAPATIENT.ONE Admin Status:

SSN: 000001212 Action Date/Time: NOV 30, 2010 @11:30

Medication: ACETAMINOPHEN Injection Site:

IV Bag Number:

PRNs

Reason:

Effectiveness: (150 Characters Maximum)

* The Edit Medication Log does not support PRN required pain scores.

Dispensed Drugs

Name	Units Ordered	Units Given	Units
ACETAMINOPHEN 325MG TAB	1	1	TAB

Enter a Comment (Required) (150 Characters Maximum)

OK Cancel

Editing the Medication Log

Using the Edit Med Log Option (cont.)



TIP:

A two-digit year assumes no more than 20 years in the future, or 80 years in the past.

To edit an administered medication (cont.)

- 3 In the Action Date/Time field, specify the actual date and time the action was taken. You can type a valid date@time entry (see formatting examples below) or click on the **DOWN ARROW** to use the calendar.

Keyboard Shortcut: Press **TAB** to advance to the drop-down arrow, then **ENTER** to use the calendar.

Note: The Edit Med Log option does not allow entry of future dates or times.

Example: Action Date/Time Status Field

Action Date/Time: 

Date Formatting

- Nov 30, 2010, 30 NOV 10, 11/30/10, 113010
- N (for NOW)
- T (for Today), T-1 (Yesterday), T-3W (3 weeks ago)
- Omitting the year assumes the current year.

Time Formatting

- HH:MM or HHMM
- Omitting the time assumes the current time

Date@Time Formatting Examples

- T@11:20 (Today at 11:20 a.m.)
- 113010@1120 (November 30, 2010 at 11:20 a.m.)
- 113010@1300 (November 30, 2010 at 1:00 p.m.)

Editing the Medication Log

Using the Edit Med Log Option (cont.)



TIP:

You can enter a new time manually in the Time field, or click in the Hour and Minutes columns to set a new time.

To edit an administered medication (cont.)

Example: Date/Time Selection Calendar

BCMA - Date/Time Selection

11/30/2010 11:20

Time: 11:20

November, 2010

Sun	Mon	Tue	Wed	Thu	Fri	Sat
31	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	1	2	3	4
5	6	7	8	9	10	11

Today: 11/30/2010

00 :00
01 :05
02 :10
03 :15
04 :20
05 :25
06 :30
07 :35
08 :40
09 :45
10 :50
11 :55

<< Today >> Now Midnight

OK Cancel

- 4 In the Injection Site drop-down list box, select the location on the patient where the medication was injected (if applicable).

Keyboard Shortcut: Use the **ARROW** keys to locate and select an injection site in the drop-down list box.

Example: Edit Med Log Dialog Box Injection Site Field

Injection Site Needed

Selection List

Abdomen, Left Lower Quad
Abdomen, Left Upper Quad
Abdomen, Right Lower Quad
Abdomen, Right Upper Quad
Arm, Left Upper
Arm, Right Upper
Buttock, Left
Buttock, Right

Editing the Medication Log

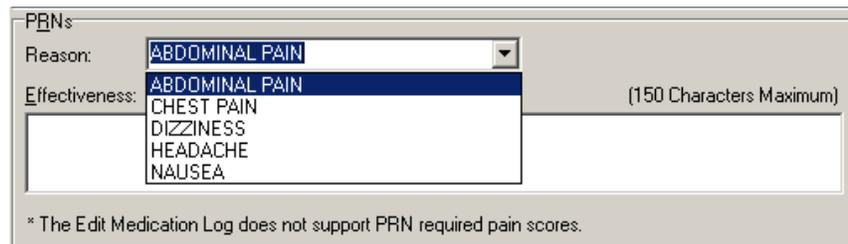
Using the Edit Med Log Option (cont.)

To edit an administered medication (cont.)

- 5 In the PRNs Reason drop-down list box, select one of the pre-defined reasons (if applicable).

Keyboard Shortcut: Use the **ARROW** keys to locate and select a Reason in the drop-down list box.

Example: Edit Med Log Dialog Box PRN Reason Field



PRNs

Reason:

Effectiveness:
CHEST PAIN
DIZZINESS
HEADACHE
NAUSEA

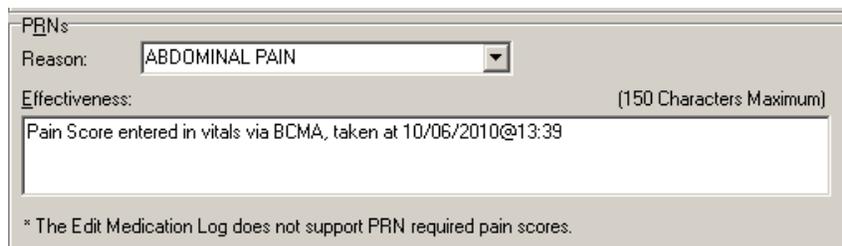
(150 Characters Maximum)

* The Edit Medication Log does not support PRN required pain scores.

- 6 In the PRN Effectiveness comment field, enter an optional comment to describe the effectiveness of the medication given to the patient, up to 150 characters in length.

Note: PRN required pain scores are not supported by the Edit Med Log option. The preferred method for documenting PRN Effectiveness is via the BCMA Clinical Reminders marquee.

Example: Edit Med Log Dialog Box PRN Effectiveness Field



PRNs

Reason:

Effectiveness:

(150 Characters Maximum)

* The Edit Medication Log does not support PRN required pain scores.

Editing the Medication Log

Using the Edit Med Log Option (cont.)



TIP:

Use your arrow keys to move from field to field in the Dispensed Drug area.

To edit an administered medication (cont.)

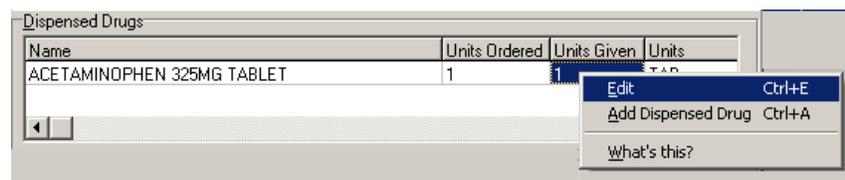
The Dispensed Drugs area of the Edit Med Log dialog box shows a list of dispensed drugs, additives, and/or solutions, including the units ordered, units given, and units (TAB, CAP, etc.). You can only edit this area for Unit Dose orders. You can also add a dispensed drug (if necessary).

Note: When editing or adding Dispensed Drugs, the Name field is restricted to 50 characters, the Units Given must be a number less than 50, and the Units column must be 40 characters or less.

- To edit a Dispensed Drug, perform the following actions as needed:
 - To edit the Dispensed Drug Name, right-click on the Name cell that you want to edit, and then select **EDIT** from the drop-down menu. Enter a full or partial dispensed drug name and then press **ENTER** to display a list of drugs that matches the drug orderable item for the medication order. Select the appropriate drug from the list and then click **OK**.
 - To edit the Units Given, right-click on the Units Given cell that you want to edit and then select **EDIT** from the drop-down menu. Enter the number of Units Given, and then press **ENTER**.
 - To edit the Units column, right-click on the Units cell you want to edit and then select **EDIT** from the drop-down menu. Enter the new value for Units, and then press **ENTER**.

Keyboard Shortcut: Use **CTRL-E** to Edit a drug in the Dispensed Drugs area of the dialog box.

Example: Edit Med Log Edit Dispensed Drug



Editing the Medication Log

Using the Edit Med Log Option (cont.)



TIP:

Use your arrow keys to move from field to field in the Dispensed Drug area.

To edit an administered medication (cont.)

Example: Edit Med Log Dispensed Drugs Area – Drug Name Lookup

The screenshot shows a software interface for editing medication logs. A dialog box titled 'Multiple Drugs for Selected Order' is open, displaying a list of drugs. The first item, 'ACETAMINPHEN 325MG CT', is highlighted. The dialog box has a title bar with a close button (X) and two buttons at the bottom: 'OK' and 'Cancel'. The background dialog box has fields for 'PRNs', 'Reason', and 'Effectiveness'. Below these is a table with columns for 'Name', 'Units', and 'Units Given'. The 'Name' column contains 'ACETAMIN' and 'ACETAMIN'. The 'Units' column contains 'TAB'. The 'Units Given' column is empty.

- 8 To add a Dispensed Drug, perform the following actions:
 - To add a dispensed drug, right-click anywhere in the Dispensed Drugs area, and then select the Add Dispensed Drug command from the drop-down menu. A new row displays for editing purposes, and the cursor is in the Dispensed Drug Name field.
 - In the Dispensed Drug Name column, type a full or partial dispensed drug name and then press **ENTER** to display a list of dispensed drugs that matches the drug orderable item for the medication order. Select the appropriate drug from the list and then click **OK**.
 - Right-click in the Units Given cell that corresponds to the drug you just added, and then select **EDIT** from the drop-down menu. Enter the number of Units Given, and then press **ENTER**.
 - Right-click in the Units cell that corresponds to the drug you just added, and then select **EDIT** from the drop-down menu. Enter the value for Units, and then press **ENTER**.

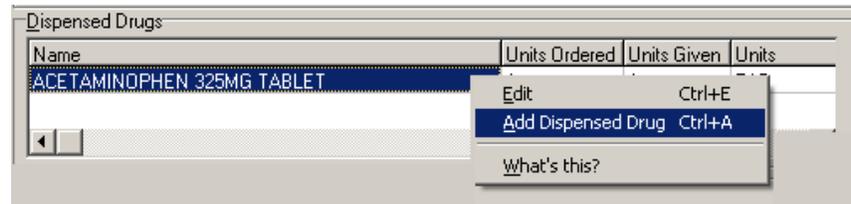
Keyboard Shortcut: Use **CTRL-A** to add a drug in the Dispensed Drugs area of the dialog box.

Editing the Medication Log

Using the Edit Med Log Option (cont.)

To edit an administered medication (cont.)

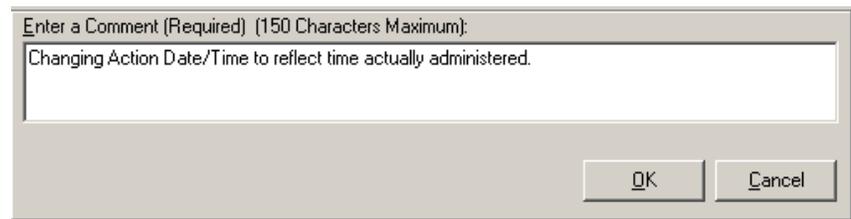
Example: Edit Med Log Add Dispensed Drug



- 9 Enter the reason the medication entry is being edited in the Comment field. This information displays on the Medication Log Report when a user selects the “Comments” option.

Note: BCMA will not save your changes to the Medication Log until you enter the required Comment.

Example: Edit Med Log Dialog Box Comment Field



- 10 Click **OK** to save all changes made to the patient’s Medication Log, or **CANCEL** to cancel the changes.

Read-Only and Limited Access BCMA

Benefits of this Chapter

Use this chapter when you need to access BCMA in a Read-Only mode to view the VDL and run reports, or in a Limited Access mode, when you want to access BCMA and are not at the patient's bed side.

This chapter describes what BCMA Read-Only and Limited Access is, the various ways to access each mode, and how to open a patient record in Read-Only or Limited Access mode.

What is Read-Only BCMA?

Read-Only BCMA provides non-medication administering users the ability to access the BCMA application without performing any actions against a patient's medical record. The Read-Only functionality outlined here extends access to BCMA data to other end users at VAMCs. Each site will determine which of its users will have access to BCMA in a Read-Only mode.

Note: Read-Only users cannot access or make changes to the BCMA GUI Site Parameter application.

Features Not Available in Read-Only BCMA

When a user with Read-Only access is logged on, the following features will not be available:

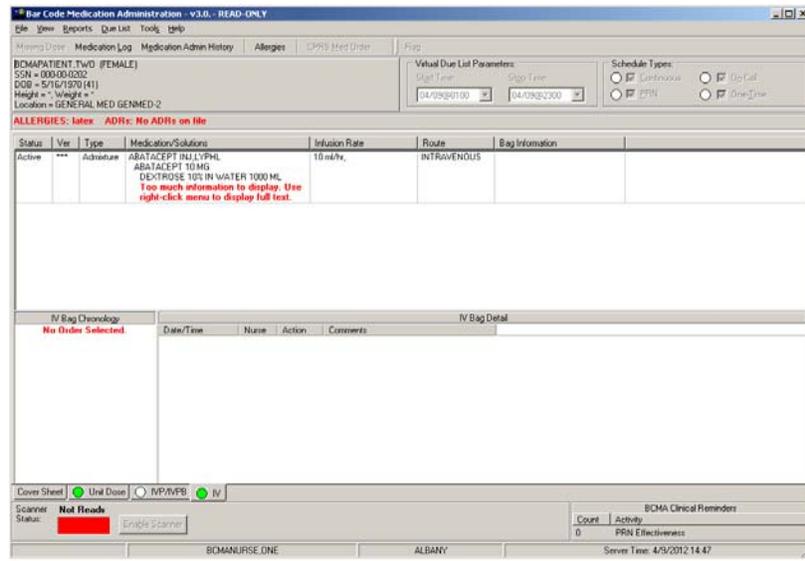
- Administration of a medication via Scan Medication Bar Code. While a Read-Only user is signed-on to BCMA, the Scanner Status displays as "Not Ready" and the Enable Scanner button is not available.
- Modification of any administration via Unable to Scan functionality. The modification of any administration via Unable to Scan functionality will not be available.
- Edit Med Log option. The Edit Med Log option is disabled in BCMA Read-Only mode.
- CPRS Med Order button. The entry of an order via the CPRS Med Order button will not be available.
- Mark option. Modification of any administration via any Mark option will not be available.
- Add Comment option. Adding a comment to an administration via any Add Comment option will not be available.
- Missing Dose Request. Submission of a Missing Dose Request via any Missing Dose option will not be available.
- Modification of any Ward Stock administration. The Take Action on Bag option will not be available.
- PRN Effectiveness comment. The entry of a PRN Effectiveness comment via the PRN Effectiveness Log dialog will not be available.

Read-Only and Limited Access BCMA

What is Read-Only BCMA? (cont.)

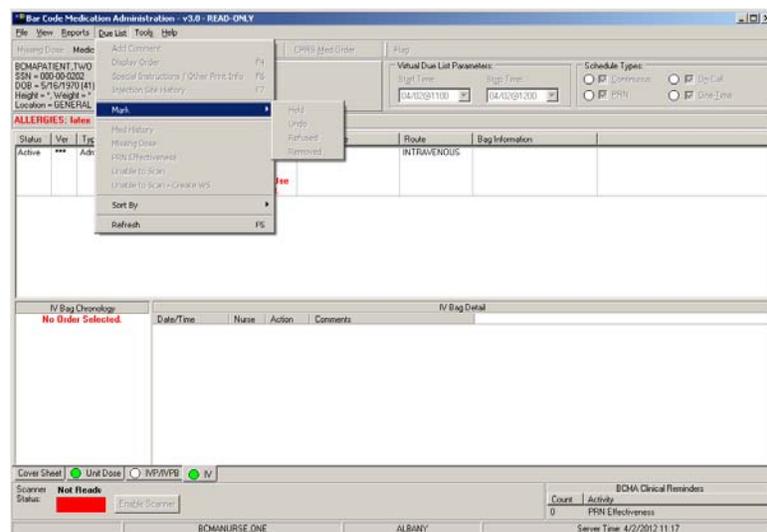
The following example shows a sample patient record being viewed in Read-Only BCMA. Note the “READ-ONLY” message in the title bar, and the tool bar buttons that are unavailable display as grayed-out. In addition, the Scanner Status displays as “Not Ready” and the Enable Scanner button is not available.

Example: BCMA Read-Only VDL



The following example shows how menu options that are unavailable in Read-Only BCMA display as grayed-out.

Example: BCMA Read-Only VDL Due List Menu



Read-Only and Limited Access BCMA

What is Read-Only BCMA? (cont.)

Features Available in Read-Only BCMA

When a user with Read-Only access is logged on, the following features will be available:

- The Unit Dose, IVP/IVPB, and IV medication tabs will display the patient's Virtual Due list.
- The medication administration right-click menu will allow access to the Display Order, Med History, PRN Effectiveness, and Available Bags options.
- Patient demographics will be available by performing a mouse click on the patient demographics box.
- The ability to view Allergies from the Allergies button will be available.
- Virtual Due List Parameters and Schedule Types selections will be available.
- BCMA Clinical Reminders will be available.
- All options within the File, View, Reports, Tools, and Help menus will be available except for Edit Med Log.
- BCMA Patient Record Flag functionality will be available.
- Within the Due List menu, only Display Order, Med History, PRN Effectiveness, Sort By, and Refresh will be available.
- All BCMA reports will be available, by patient and by ward.
- When a user with Read-Only access opens the PRN Effectiveness Log dialog, they will be limited to viewing the PRN List table, Med History, and Order Detail for a select PRN administration.
- On the IV medication tab within the IV Bag Chronology tree view, the user will be able to expand and collapse the tree view, but will not be able to take action on any item in the tree view.
- The Cover Sheet tab is available and fully functional in Read-Only mode.

Read-Only and Limited Access BCMA

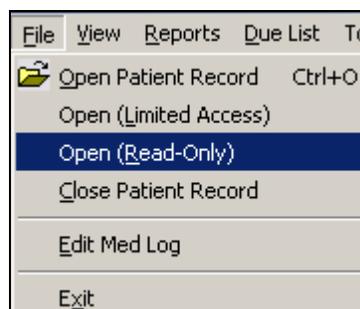
Accessing Read-Only BCMA

This section describes the three methods for accessing BCMA in Read-Only mode, and provides instructions for signing on to Read-Only BCMA.

Methods to access BCMA in Read-Only Mode

- If you are a user who is assigned the PSB READ ONLY security key, you can only access BCMA in the Read-Only mode. Users who are assigned the PSB READ ONLY security key cannot administer medications, nor can they use BCMA in Limited Access mode. The PSB READ ONLY security key overrides all other BCMA security keys.
- If you are a nursing student with the PSB STUDENT security key, and access BCMA without an instructor present, BCMA defaults to Read-Only mode. In order to administer medications, you must exit BCMA and sign on with your instructor.
- If you are a user who does not hold the PSB READ ONLY security key, you now have an additional option to retrieve a patient record in Read-Only mode by selecting the Open (Read-Only) command from the File menu (see the following example.) For instance, this feature allows a clinician to view the patient's record and run reports—without inadvertently making changes to medication administration data. Upon closing the Read-Only patient record, BCMA reverts back to the mode that was originally enabled with the user's security key.

Example: Open (Read-Only) Option on File Menu



Note: All users, including users who are assigned the PSB READ ONLY security key, will be required to have the PSB GUI CONTEXT – USER secondary menu option.

Read-Only and Limited Access BCMA

Accessing Read-Only BCMA (cont.)



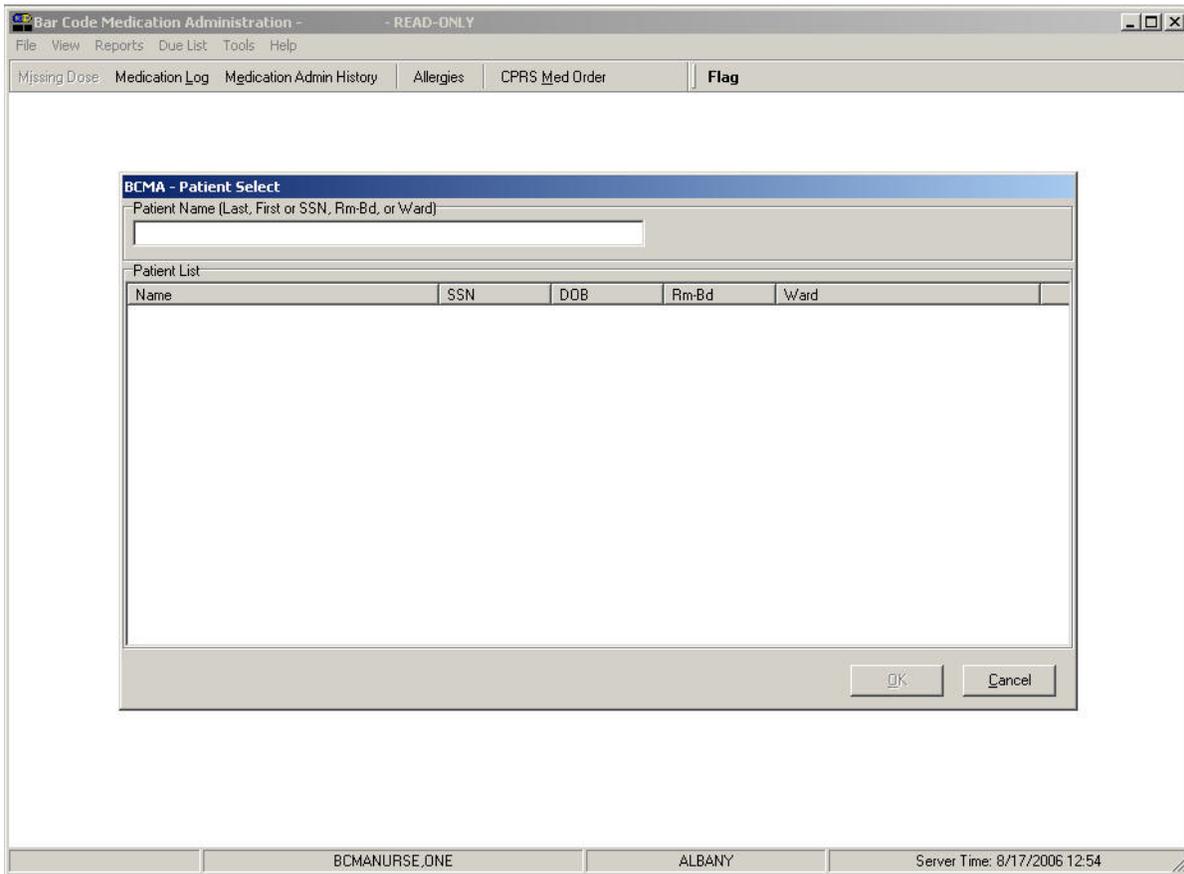
TIP:

For complete information on the sign-on process, please refer to Chapter 3, "Let's Get Started: Signing on to BCMA."

To sign on to Read-Only BCMA

- 1 At the VistA Sign-on dialog box, perform one of the following actions:
 - If you are a user with Read-Only access to BCMA, enter your Access and Verify Codes. The system will verify that you have been assigned the PSB READ ONLY security key.
 - If you are a nursing student, enter your Access and Verify Codes. The system will verify that you have been assigned the PSB STUDENT security key. Click **CANCEL** at the Instructor Sign-on dialog box. BCMA automatically defaults to Read-Only mode.
- 2 When sign-on is complete, "READ-ONLY" will display in the title bar, and the BCMA - Patient Select dialog box displays. Proceed to the next section for instructions on opening a patient record in Read-Only BCMA.

Example: Read-Only BCMA with Patient Select Dialog Box



Read-Only and Limited Access BCMA

Using Read-Only BCMA



TIP:

Read-Only users can also press **CTRL+O** to quickly access a patient record.

To Open a Patient Record in Read-Only BCMA

- 1 Perform one of the following actions:
 - If you are signed on as a Read-Only user (including a nursing student without an instructor):
 - If the BCMA - Patient Select dialog box is displayed, proceed to step #2 to access a patient record.
 - If the BCMA VDL is displayed, select the Open Patient Record command from the File menu. The BCMA - Patient Select dialog box displays. Proceed to step #2 to access a patient record.

Keyboard Shortcut: Press **ALT+F** to display the File menu, and then press **O** to display the BCMA - Patient Select dialog box.

- If you are a user who does not hold the PSB READ ONLY security key, and you want to open a patient record in Read-Only mode, select the Open (Read-Only) command from the File menu. The BCMA - Patient Select dialog box displays. Proceed to step #2 to access a patient record.

Keyboard Shortcut: Press **ALT+F** to display the File menu, and then press **R** to display the BCMA - Patient Select dialog box.

Note: If you are signed on as a Read-Only user and you **CANCEL** out of the BCMA - Patient Select dialog box, only BCMA ward-specific reports will be available.

- 2 At the BCMA – Patient Select dialog box, enter one of the following search criteria in the Patient Name field:
 - Patient name (Last, First)
 - Patient Social Security Number (SSN)
 - Rm-Bed
 - Ward

Note: BCMA automatically searches for the patient record(s) that match the criteria in the Patient Name field – as you are typing. You must enter at least 2 characters to initiate the search. There is no need to press **ENTER**. Note that the search is not case-sensitive.

Read-Only and Limited Access BCMA

Using Read-Only BCMA (cont.)



TIP:

To broaden your search, you can enter *partial* search criteria for Last Name, SSN, Rm-Bed, or Ward in the BCMA – Patient Select dialog box.



TIP:

You can double-click on the patient name to quickly open the record on the VDL.

To Open a Patient Record in Read-Only BCMA (cont.)

- 3 Perform one of the following actions:
 - If the patient you are requesting is displayed in the **Patient List**, click on the patient record you want to access, then click OK to access the patient's VDL in Read-Only mode.

Keyboard Shortcut: Press **TAB** to go to the Patient List, then if multiple records are displayed, use the **ARROW** keys to select the patient record. Press **TAB** to activate the **OK** button, and then press **ENTER** to access the patient's VDL in Read-Only mode.

Example: BCMA – Patient Select Dialog box Search by SSN

Name	SSN	DOB	Rm-Bd	Ward
BCMAPATIENT ONE	000009678	9/2/1947	724-A	7A GEN MED

- If the patient you are requesting is not displayed in the Patient List:
 - If more records are retrieved than can be displayed in the Patient List, **SCROLL BARS** will appear to allow you to scroll through the data. Scroll to the patient record, click on the patient record you want to access, then click **OK** to access the patient's VDL in Read-Only mode.
 - If records are retrieved, but you do not see the intended patient record, re-enter your patient search criteria, as indicated in step #2 above.
 - If you see a "No patients matching..." message, re-enter your patient search criteria, as indicated in step #4 above.
 - If you see a "Too many patients matching..." message, then the system found more than 100 records that matched your criteria. Re-enter more specific patient criteria, as indicated in step #2 above.

Read-Only and Limited Access BCMA

Using Read-Only BCMA (cont.)

Example: BCMA – Patient Select Dialog box Partial SSN Search

BCMA - Patient Select

Patient Name (Last, First or SSN, Rm-Bd, or Ward)

00000

Patient List

Name	SSN	DOB	Rm-Bd	Ward
BCMAPATIENT.ONE	000009678	9/2/1947	724-A	7A GEN MED
BCMAPATIENT.THREE	000009945	7/31/1920	724-C	7A GEN MED
BCMAPATIENT.TWO	*SENSITIVE*	*SENSITIVE*		7B

OK Cancel

Example: BCMA – Patient Select Dialog box No Records Found

BCMA - Patient Select

Patient Name (Last, First or SSN, Rm-Bd, or Ward)

1966

Patient List

No patients matching '1966'

OK Cancel

Read-Only and Limited Access BCMA

What is Limited Access BCMA?

Limited Access BCMA provides medication administering users the ability to access the BCMA application without being at the patient's bed side. Active, discharged, and deceased patient records can be opened in Limited Access mode without scanning or using Unable to Scan.

Features Not Available in Limited Access BCMA

When a user logs on and selects Open (Limited Access) from the File menu, the following features will not be available:

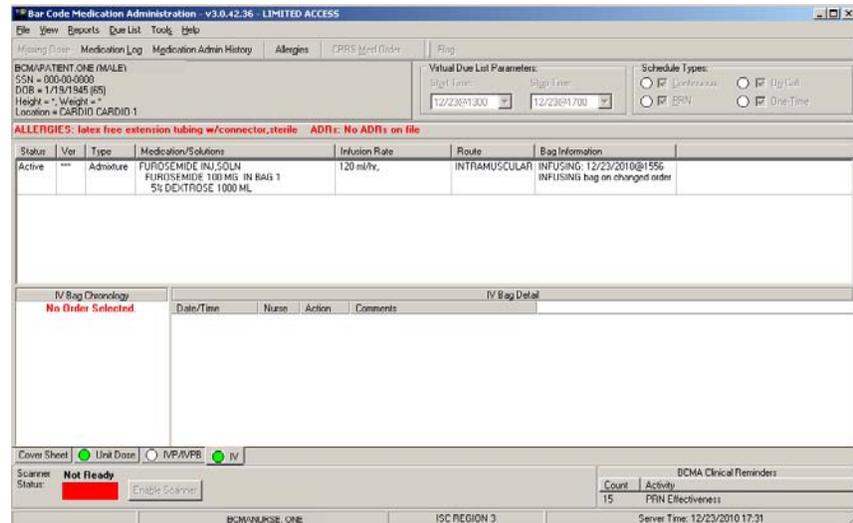
- **Administration of a medication via scanning.** The scanner status remains in a Not Ready state whenever a patient record is opened in BCMA Limited Access mode.
- **Administration of a medication via Unable to Scan functionality.** The Unable to Scan and Unable to Scan-Create WS options will be disabled.
- **Modification of any IV or Ward Stock administration.** Unable to Scan, Unable to Scan-Create WS, and Take Action on Bag options will be disabled.
- **Marking a patch as Removed.** The option to mark a patch as Removed will be disabled.
- **Use of the CPRS Med Order button.** The entry of an order via the CPRS Med Order button will be disabled.

Read-Only and Limited Access BCMA

What is Limited Access BCMA? (cont.)

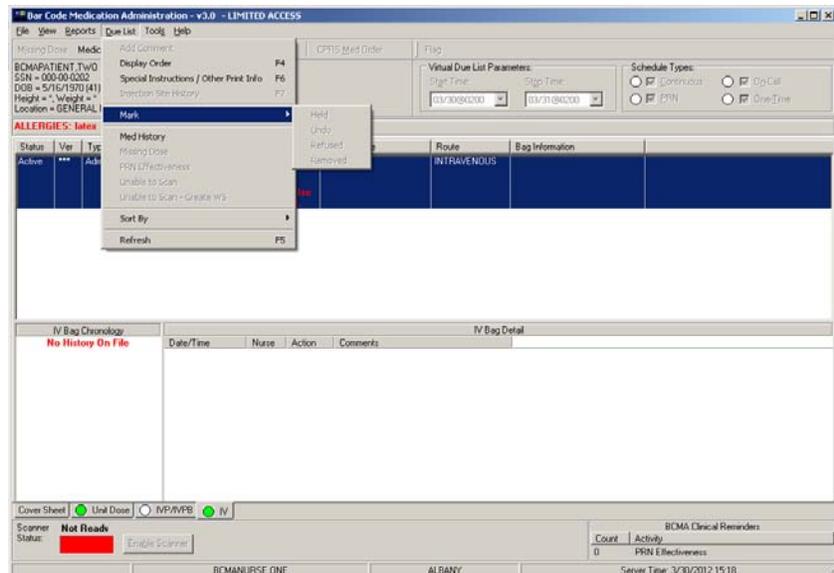
The following example shows a sample patient record being viewed in Limited Access BCMA. Note the “LIMITED ACCESS” message in the title bar, and the tool bar buttons that are unavailable display as grayed-out. In addition, the Scanner Status displays as “Not Ready” and the Enable Scanner button is not available.

Example: BCMA Limited Access VDL



The following example shows how menu options that are unavailable in Limited Access BCMA display as grayed-out.

Example: BCMA Limited Access VDL Due List Menu



Read-Only and Limited Access BCMA

What is Limited Access BCMA? (cont.)

Features Available in Limited Access BCMA

When a user logs on and selects Open (Limited Access) from the File menu,, the following features will be available:

- The Unit Dose, IVP/IVPB, and IV medication tabs will display the patient's Virtual Due list.
- The Edit Med Log option will be available.
- Patient demographics will be available by performing a mouse click on the patient demographics box.
- The ability to view Allergies from the Allergies button will be available.
- Virtual Due List Parameters and Schedule Types selections will be available.
- All options within the File, View, Reports, Tools, and Help menus will be available.
- BCMA Patient Record Flag functionality will be available.
- All BCMA reports will be available, by patient and by ward.
- Within the Due List menu, all options will be available except for Unable to Scan, Unable to Scan – Create WS, and Take Action on Bag.
- Submission of a Missing Dose Request via any Missing Dose option will be available.
- Adding a comment to an administration via any Add Comment option will be available.
- Marking appropriate administrations as Held or Refused will be available.
- Marking a Given administration as Undo Given will be available.
- The ability to document PRN Effectiveness will be available through the right click menu, Due List menu and via BCMA Clinical Reminders.

Read-Only and Limited Access BCMA

Accessing Limited Access BCMA

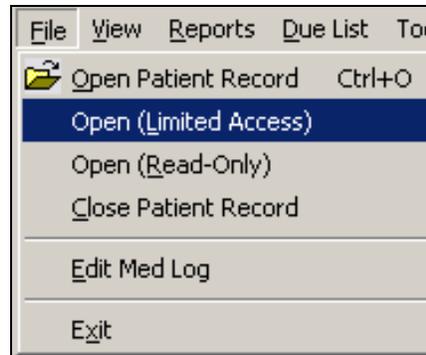
This section describes the method for accessing BCMA in Limited Access mode.

Methods to access BCMA in Limited Access Mode

- The Open (Limited Access) option is available on the File Menu; all users, except for those users with the PSB READ ONLY security key, can select the Open (Limited Access) option.

Keyboard Shortcut: Press **ALT+F** to display the File menu, and then press **L** to access Open (Limited Access).

Example: Open (Limited Access) Option on File Menu



Read-Only and Limited Access BCMA

Using Limited Access BCMA



TIP:

Users accessing BCMA in the Limited Access mode can press **CTRL+O** to quickly access a patient record. This opens a patient record in with full BCMA access.

To Open a Patient Record in Limited Access BCMA

- 1 Perform one of the following actions:
 - If you are accessing BCMA in the Limited Access mode:
 - If the BCMA - Patient Select dialog box is displayed, proceed to step #2 to access a patient record.
 - If the BCMA VDL is displayed, select the Open Patient Record command from the File menu. The BCMA - Patient Select dialog box displays. Proceed to step #2 to access a patient record.

Keyboard Shortcut: Press **ALT+F** to display the File menu, and then press **L** to display the BCMA - Patient Select dialog box.

Note: If you are accessing BCMA in the Limited Access mode and you **CANCEL** out of the BCMA - Patient Select dialog box, only BCMA ward-specific reports will be available.

Example: Limited Access BCMA with Patient Select Dialog Box

Patient List				
Name	SSN	DOB	Rm-Bd	Ward

- 2 At the BCMA – Patient Select dialog box, enter one of the following search criteria in the Patient Name field:
 - Patient name (Last, First)
 - Patient Social Security Number (SSN)
 - Rm-Bed
 - Ward

Note: BCMA automatically searches for the patient record(s) that match the criteria in the Patient Name field – as you are typing. You must enter at least 2 characters to initiate the search. There is no need to press **ENTER**. Note that the search is not case-sensitive.

Read-Only and Limited Access BCMA

Using Limited Access BCMA (cont.)



TIP:

To broaden your search, you can enter *partial* search criteria for Last Name, SSN, Rm-Bed, or Ward in the BCMA – Patient Select dialog box.

To Open a Patient Record in Limited Access BCMA (cont.)

- 3 Perform one of the following actions:
 - If the patient you are requesting is displayed in the **Patient List**, click on the patient record you want to access, then click OK to access the patient's VDL in Limited Access mode.

Keyboard Shortcut: Press **TAB** to go to the Patient List, then if multiple records are displayed, use the **ARROW** keys to select the patient record. Press **TAB** to activate the **OK** button, and then press **ENTER** to access the patient's VDL in Limited Access mode.

Example: BCMA – Patient Select Dialog box Search by SSN

Name	SSN	DOB	Rm-Bd	Ward
BCMAPATIENT ONE	000009678	9/2/1947	724-A	7A GEN MED

- If the patient you are requesting is not displayed in the Patient List:
 - If more records are retrieved than can be displayed in the Patient List, **SCROLL BARS** will appear to allow you to scroll through the data. Scroll to the patient record, click on the patient record you want to access, then click **OK** to access the patient's VDL in Limited Access mode.
 - If records are retrieved, but you do not see the intended patient record, re-enter your patient search criteria, as indicated in step #2 above.
 - If you see a "No patients matching..." message, re-enter your patient search criteria, as indicated in step #2 above.
 - If you see a "Too many patients matching..." message, then the system found more than 100 records that matched your criteria. Re-enter more specific patient criteria, as indicated in step #2 above.

Read-Only and Limited Access BCMA

Using Limited Access BCMA (cont.)

Example: BCMA – Patient Select Dialog box Partial SSN Search

BCMA - Patient Select

Patient Name (Last, First or SSN, Rm-Bd, or Ward)

00000

Patient List

Name	SSN	DOB	Rm-Bd	Ward
BCMAPATIENT.ONE	000009678	9/2/1947	724-A	7A GEN MED
BCMAPATIENT.THREE	000009945	7/31/1920	724-C	7A GEN MED
BCMAPATIENT.TWO	*SENSITIVE*	*SENSITIVE*		7B

OK Cancel

Example: BCMA – Patient Select Dialog box No Records Found

BCMA - Patient Select

Patient Name (Last, First or SSN, Rm-Bd, or Ward)

1966

Patient List

No patients matching '1966'

OK Cancel

Working with the Cover Sheet

Benefits of this Chapter

Use this chapter when you need to access the BCMA Cover Sheet to display alternate views of medication data related to the selected patient.

This chapter describes features and functionality of the Cover Sheet, how to access the four user-selectable views, and how to manipulate the data within each view.

What is the Cover Sheet?

The BCMA Cover Sheet supplements the VDL medication tabs by providing users with four alternate views of primary medication data related to the selected patient – all in a single, easy-to-use location. The Cover Sheet tab increases the amount of information available to the user by displaying data related to expired, discontinued, and future orders. Each view has a unique data set and format, and allows users to drill down to view additional order and/or IV bag details, when applicable.

The Cover Sheet tab functions as a display tool only, and does not allow the user to edit any data, administer medications, or take action against a patient's record. No special security key is required to access the Cover Sheet – it is available to all users that have access to the BCMA GUI application, and it is fully functional in Read-Only mode.

Upon opening a patient record, BCMA opens to the Unit Dose tab by default. In order to display the Cover Sheet, the user must select the Cover Sheet tab by clicking the tab to the left of the Unit Dose tab.

Features of the Cover Sheet

Views

The Cover Sheet tab provides four user-selectable views for the current patient:

- **Medication Overview:** This is the default view. It displays all Active and Future orders, as well as orders that have Expired/Discontinued (DC'd) within the last 24 hours. This view includes all Unit Dose, IVP/IVPB, and large volume IV orders.
- **PRN Overview:** Displays Active and Future PRN orders, as well as PRN orders that have Expired/DC'd within the last 24 hours.
- **IV Overview:** Displays large volume IV bag information from Active orders, as well as from orders that have Expired/DC'd within the last 24 hours.
- **Expired/DC'd/Expiring Orders:** This view defaults to displaying all orders that have Expired/DC'd within the last 24 hours, as well as orders expiring today and tomorrow. In addition, the user can temporarily expand the display to include orders that have expired within the last 48 and 72 hours, as well as future orders expiring within 48 and 72 hours after midnight tonight.

Working with the Cover Sheet

Features of the Cover Sheet (cont.)

Display Features

- Displays the Medication Overview by default.
- Allows the user to select alternate views from a drop-down field; a table then displays the data associated with the selected view.
- Displays data in groups that the user can expand and collapse as desired. Each group is expandable to display data or collapsible to hide data.
- Each group within a view is named and displays the number of items within the group to the right of the group name in brackets, e.g., Active [10 Orders].
- Each group has a header row that identifies the columns of data displayed in the group. As the user expands order and/or bag detail rows to reveal more data, appropriate headers appear to describe the data displayed.
- Displays up to 4 previous actions per order.
- Displays information by order, instead of administration, as shown on the existing BCMA medication tabs.
- Displays Active, Expired, and Discontinued (DC'd) orders, including orders Expiring Today and Expiring Tomorrow.
- The default timeframe for displaying Expired or DC'd orders in each view is the current time minus 24 hours from the date/time the VDL is accessed, unless otherwise stated below.
- Allows the user to temporarily expand the display to include orders that have expired within the last 48 and 72 hours, as well as future orders expiring within 48 and 72 hours after midnight tonight. Group headings change dynamically, based on selected timeframe.
- Displays Future orders, i.e., any active order with a future start date.
- Displays icons for STAT, Order Flag, and IV Order – No action taken yet.
- In Special Instructions column, displays message in cell: “Too much information to display. Use right-click menu to display full text” for orders containing Special Instructions / Other Print Info that exceed 180 characters. Displays this same message as hover text when hovering over a field containing Special Instructions / Other Print Info that exceed 180 characters.

Note: The STAT icon will display for STAT, ASAP, and NOW orders only if the PRIORITIES FOR ACTIVE NOTIFY is properly set in the Inpatient Medications system parameters.

Note: The Cover Sheet tab does not display the green/white Schedule Type indicators found on the existing BCMA medication tabs (Unit Dose, IVP/IVPB, and IV).

Working with the Cover Sheet

Features of the Cover Sheet (cont.)

Limitations by Design

- When the Cover Sheet is accessed, both the Virtual Due List Parameters and Schedule Types groups are disabled (grayed out).

Example: Disabled Virtual Due List Parameters and Schedule Types



The screenshot shows two disabled interface sections. The left section, titled 'Virtual Due List Parameters', contains two dropdown menus for 'Start Time' (06/14@1500) and 'Stop Time' (06/14@1700). The right section, titled 'Schedule Types', contains four radio buttons: 'Continuous' (checked), 'On-Call', 'PRN' (checked), and 'One-Time'. The entire interface is grayed out, indicating it is disabled.

- While the Cover Sheet is active, the Scanner Status is “Not Ready.” This means you cannot:
 - Scan a medication
 - Manually enter an IEN number
 - Edit order data
 - Take action against a patient's record
- The IV Overview does not display IV bags for ward stock or future orders.
- The Cover Sheet does not include printing or reporting functions.

Similarities to the VDL

- While the Cover Sheet is active (any view), you can document PRN Effectiveness.
- Cover Sheet columns can be sorted in ascending or descending order by clicking a column header. Note that all groups within a view will sort, and whenever BCMA loads, the default sort order set by the user returns.
- Cover Sheet columns can be resized by placing the mouse pointer over the vertical border (line) of a column header, and dragging the crosshair to increase or decrease the column width. The column widths set by the user are saved on the Cover Sheet screen.
- Patient Demographics can be accessed by clicking the patient information box on the Cover Sheet.
- Refresh can be used to reload Cover Sheet data.
- Right-clicking on a Cover Sheet row will provide the following standard BCMA options:
 - Available Bags (for IV orders)
 - Display Order
 - Special Instructions / Other Print Info
 - Display Reason for Order Flag, if applicable
 - Med History

Working with the Cover Sheet

Features of the Cover Sheet (cont.)

Keyboard Shortcuts

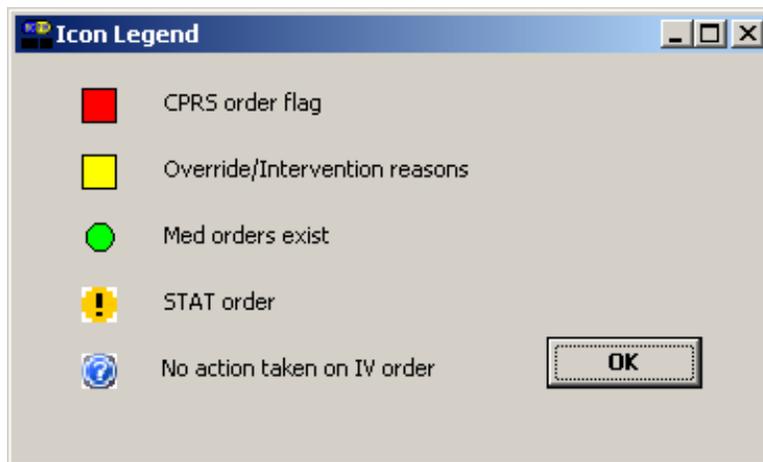
The Cover Sheet includes several keyboard shortcuts as shown below:

Example: Cover Sheet Shortcut Keys

Use This Shortcut:	To Make This Occur:
F9	Display Cover Sheet tab
Alt-V	Activate Cover Sheet View drop-down list box
Shift-Tab/Tab	Shift focus from group to group (previous/next group) and through active fields on screen.
Up/Down Arrow	Shift focus from one row to the next (previous/next row)
Left/Right Arrow	Expand or collapse a row, if applicable.
Alt-Up/Down Arrow	Scroll entire Cover Sheet up and down
Shift-F9	Expand/Collapse the first group in a view
Shift-F10	Expand/Collapse the second group in a view
Shift-F11	Expand/Collapse the third group in a view
Ctrl-Alt-V	Show Available Bags for highlighted item
Ctrl-Alt-O	Display Order for highlighted item
Ctrl-Alt-E	Display Med History for highlighted item
Ctrl-Alt-S	Display Special Instructions / Other Print Info

An Icon Legend is accessible via the View Menu, showing icons and indicators used on the cover sheet and medication tabs.

Example: Icon Legend



Working with the Cover Sheet

Cover Sheet Screen: Medication Overview

The Medication Overview displays and groups active, expired or discontinued (DC'd), and future orders for the current patient. The total number of orders per group displays in brackets next to each group heading. The groups are displayed top down as follows:

- **Active** orders are those orders with an order start date/time less than or equal to the current date/time minus the “Before Scheduled Admin Time” site parameter, and an order stop date/time *greater than* the current date/time.
- **Future** orders are those orders whose start date/time is *greater than* the current date/time plus the “Before Scheduled Admin Time” site parameter.
- **Expired/DC'd** orders are those orders that have expired or have been discontinued within the last 24 hours.

Example: View: Medication Overview

The screenshot shows the 'Medication Overview' window for patient BCMAPATIENT DNE (MALE). The interface includes a menu bar, a toolbar, and a main data table. The patient's information is displayed at the top, including SSN, DOB, Height, Weight, and Location. The 'ALLERGIES' section lists acetaminophen and penicillin. The 'Medication Overview' section is divided into three categories: Active (14 Orders), Future (0 Orders), and Expired/DC'd (2 Orders). Each category contains a table of medication orders with columns for VCL, Status, Ver, Tx, Medication, Dosage, Route, Schedule, Next Action, Special Instructions, Order Start Date, and Order St. The 'Active' section lists various medications such as HALOPERIDOL TAB, ACAPROSE TAB, CIPROFLOXACIN TAB, DIFLOXACIN TAB, ALPHAZOLAM TAB, EFAVIRENZ TAB, AMPCILLIN INJ, AMINOCAPROIC ACID INJ SOLN, WARFARIN GOLDEN STATETIM, AMPCILLIN INJ, PENICILLIN G POTASSIUM INJ, HEPARIN HIGH ALERT INJ SOLN, FUROSEMIDE INJ SOLN, and DEXAMETHASONE INJ SOLN. The 'Expired/DC'd' section lists AMINOCAPROIC ACID INJ SOLN and AMINOCAPROIC ACID INJ SOLN. The 'Future' section is currently empty.

Category	VCL	Status	Ver	Tx	Medication	Dosage	Route	Schedule	Next Action	Special Instructions	Order Start Date	Order St
Active [14 Orders]	UD	Active	***	F	HALOPERIDOL TAB	2MG	ORAL	Q8H-MED-PRN			05/11/2018	05/19/2018
	UD	Active	***	C	ACAPROSE TAB	25MG	ORAL	Q8H	MISSED 05/17/201700		05/11/2017	05/25/2017
	UD	Active	***	C	CIPROFLOXACIN TAB	250MG	ORAL	Q8H	MISSED 05/17/201700		05/11/2017	05/25/2017
	UD	Active	***	C	DIFLOXACIN TAB	300MG	ORAL	Q24H	MISSED 05/12/200900		05/11/2017	05/25/2017
	UD	Active	***	C	ALPHAZOLAM TAB	0.5MG	ORAL	Q3H	MISSED 05/17/201300		05/12/20035	05/26/2003
	UD	Active	***	C	EFAVIRENZ TAB	600MG	ORAL	Q3H	MISSED 05/12/201000		05/12/20035	05/26/2003
	UD	Active	***	C	AMPCILLIN INJ	1 UNITS	INTR	Q8H	MISSED 05/19/21300		05/16/20152	06/01/2015
	IVP	Active	***	C	AMINOCAPROIC ACID INJ SOLN		IV PUSH	Q3H	DUE 05/19/21400		05/16/21307	06/01/2015
	UD	Active	***	C	WARFARIN GOLDEN STATETIM	2MG	ORAL	Q8H	MISSED 05/11/21200		05/11/2015	06/04/2015
	IVP	Active	***	C	AMPCILLIN INJ		INFUSE OVER	Q8H	MISSED 05/19/21300		05/16/21147	05/24/2015
	IVP	Active	***	C	PENICILLIN G POTASSIUM INJ		INFUSE OVER	Q3H	MISSED 05/19/21200		05/16/21143	05/24/2015
	IVP	Active	***	C	HEPARIN HIGH ALERT INJ SOLN		INFUSE OVER	Q3H	DUE 05/19/21500		05/16/20257	06/01/2015
	IV	Active	***		FUROSEMIDE INJ SOLN	200 mc/iv	INTR				04/06/21148	12/31/2012
	IV	Active	***		DEXAMETHASONE INJ SOLN	200 mc/iv	INTR				04/06/21040	12/31/2012
Expired/DC'd [2 Orders]	IVP	Disco	***	C	AMINOCAPROIC ACID INJ SOLN		IV PUSH	Q8H			05/19/21300	05/19/2015
	IVP	Disco	***	C	AMINOCAPROIC ACID INJ SOLN		IV PUSH	Q8H			05/19/21305	05/19/2015
Future [0 Orders]												

Working with the Cover Sheet

Cover Sheet Screen: Medication Overview (cont.)

The Medication Overview provides three levels of detail for each order displayed.

- 1) The top level displays order and next administration data, and includes the following header and information in the order listed below.

- **Icons: When applicable, the following icons or indicators will display:**
 - **STAT:** (Exclamation Point) displays for STAT orders.
 - **Order Flag:** (Red block) indicator displays for any flag from CPRS/ Pharmacy, with the corresponding “Reason for Flag” comment available from the right-click menu.
 - **Override/Intervention reasons:** (Yellow block) indicator displays in verified “Ver” cell when provider overrides or pharmacist interventions are associated with an order.
 - **IV Order – No action taken yet:** (Question mark) Displays for large volume IV orders, where no action has been taken yet.
- **VDL Tab: the name of the tab within BCMA where administrations are displayed.**
- **Status: the current status of the order (i.e., Active, Expired, Hold)**
- **Ver: the initials of the nurse who verified the order or three asterisks (***) indicating non-nurse verified.**
- **Type: the schedule type of the order (C for Continuous, O for One Time, OC for On Call, P for PRN)**
- **Medication: the orderable item associated with the order**
- **Dosage, Route: the dosage and route of the order, separated by a comma**
- **Schedule: the order schedule (i.e., Q2H, BID)**

Working with the Cover Sheet

Cover Sheet Screen: Medication Overview (cont.)

- **Next Action: one of the following:**
 - **“DUE”** followed by the next scheduled administration time after the last action taken for active orders that have defined administration times in MM/DD@HHMM format.
 - **“Missed”** followed by the next scheduled administration time after the last action taken if administration date/time exceeds the “After Scheduled Admin Time” site parameter in MM/DD@HHMM format.
 - **“Provider Hold”** for active orders on provider hold
 - Blank for PRN, On Call, and One-Time orders
- **Special Instructions: special instructions or “Other Print Info” associated with the order**
- **Order Start Date:** the order’s start date/time displayed in MM/DD@HHMM format
- **Order Stop Date:** the order’s stop date/time displayed in MM/DD@HHMM format

Working with the Cover Sheet

Cover Sheet Screen: Medication Overview (cont.)



TIP:

Actions that display a status of "Unknown" are due to incomplete documentation of an administration in the BMCA CHUI Manual Medication Entry, and must be corrected using Edit Med Log.

- The second level displays a maximum of four previous actions taken against this specific order, and includes the following header and information in the order listed below.

Note: Actions whose activity date exceeds the "Med History Days Back" site parameter will not be displayed.

- Bag ID:** If the order is an IV order, then the Bag ID header and field displays, which is the unique identifier for the bag associated with this action.
- Action By:** the initials of the person that performed the action, and the date/time of the action in MM/DD@HHMM format
- Action:** the status of the administration (i.e., Given, Held, Refused, Missing, etc.).
- If the order has a PRN schedule type, the following headers and fields will display:
 - **PRN Reason:** the PRN reason associated with the action
 - **PRN Effectiveness:** the PRN Effectiveness comment for this action

Example: Medication Overview with 3 Levels of Data

The screenshot shows the 'Medication Administration' application window. The 'Medication Overview' section is expanded, displaying a table of medication orders. The table has columns for ID, Status, Medication, Dosage, Route, Schedule, Need Action, Special Instructions, Order Date, and Order ID. A red box highlights a row for 'DEPOSONE INJ SOLN' with a status of 'Active' and a need action of '200 mg IV INTR'. Below the table, there are sections for 'Previous Orders' and 'Expanded Orders'.

Working with the Cover Sheet

Cover Sheet Screen: Medication Overview (cont.)

- 3) The third level displays comments associated with the action and includes the following header and information in the order listed below.
 - **Comment By:** the initials of the person that entered the comment and the date/time the comment was entered in MM/DD@HHMM format
 - **Comment:** the text of the comment

Working with the Cover Sheet

Cover Sheet Screen: PRN Overview

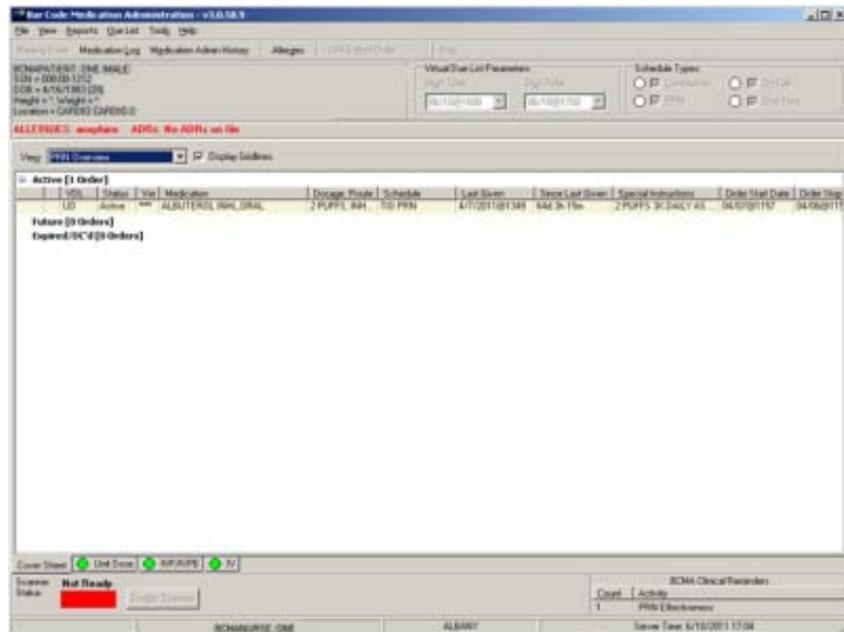
The PRN Overview displays and groups active expired or discontinued and future orders with a schedule type of PRN for the current patient. The total number of orders per group displays in brackets next to each group heading.

Note: Actions whose activity date exceeds the “Med History Days Back” site parameter will not be displayed.

The groups are displayed top down as follows:

- **Active** orders are those orders with an order start date/time less than or equal to the current date/time minus the “Before Scheduled Admin Time” site parameter, and an order stop date/time *greater than* the current date/time.
- **Future** orders are those orders whose start date/time is *greater than* the current date/time plus the “Before Scheduled Admin Time” site parameter.
- **Expired/DC’d** orders are those orders that have expired or have been discontinued within the last 24 hours.

Example: View: PRN Overview



Working with the Cover Sheet

Cover Sheet Screen: PRN Overview (cont.)

This view will provide three levels of detail for each order displayed.

- 1) The top level displays order and next administration data and contains the following header and information in the following order.
 - **Icons:** When applicable, the following icons or indicators will display:
 - **Order Flag:** (Red block) displays for any flag from CPRS/ Pharmacy, with the corresponding “Reason for Flag” comment available from the right-click menu.
 - **Override/Intervention reasons:** (Yellow block) indicator displays in verified “Ver” cell when provider overrides or pharmacist interventions are associated with an order.
 - **VDL Tab:** the name of the tab within BCMA where administrations are displayed.
 - **Status:** the current status of the order (i.e. Active, Hold, Expired)
 - **Ver:** the initials of the nurse who verified the order or three asterisks (***) indicating non-nurse verified.
 - **Medication:** the orderable item associated with the order
 - **Schedule:** the order schedule (i.e., Q4H PRN)
 - **Dosage, Route:** the dosage and route of the order separated by a comma
 - **Last Given:** the last administration and the date/time the action was performed for the orderable item in ACTION MM/DD@HHMM format
Note: Last Given may not be associated with this PRN order. It may be the last time the medication was given on a separate order.
 - **Since Last Given:** the number of hours and minutes since the last administration of the orderable item in ##d ##h ##m format. (e.g. 1d 10h 23m ago)
 - **Special Instructions:** special instructions associated with the order
 - **Order Start Date:** the order’s start date/time displayed in MM/DD@HHMM format

Working with the Cover Sheet

Cover Sheet Screen: PRN Overview (cont.)



TIP:

Actions that display a status of "Unknown" are due to incomplete documentation of an administration in the *BMCA CHUI Manual Medication Entry*, and must be corrected using *Edit Med Log*.

- **Order Stop Date:** the order's stop date/time displayed in MM/DD@HHMM format
- 2) The second level displays a maximum of four previous actions taken against this specific order, and will contain a header and information in the following order.
- **Action By:** the initials of the person that performed the action and the date/time of the action in MM/DD@HHMM format
 - **Action:** the status of the administration (i.e., Given, Held, Refused, Missing, etc.)
 - **PRN Reason:** the PRN reason associated with the action
 - **PRN Effectiveness:** the PRN Effectiveness comment for this action
- 3) The third level of the PRN Overview displays comments associated with the action and includes the following header and information.
- **Comment By:** the initials of the person that entered the comment and the date/time the comment was entered in MM/DD@HHMM format
 - **Comment:** the text of the comment

Working with the Cover Sheet

Cover Sheet Screen: IV Overview

The IV Overview displays and groups IV bag information on active, expired, and discontinued large volume IV orders for the current patient selected. The number of IV bags per group displays in brackets next to each group heading. The groups are displayed top down as follows:

- **Infusing** is any bag that is currently infusing on an active, expired, or discontinued order.
- **Stopped** is any bag that is currently stopped on an active, expired, or discontinued order.
- **All Other** is any bag that is not infusing or stopped on an active order.

Example: View: IV Overview

View: IV Overview

Bag ID	Order Stat	Bag Status	Medication	Infusion Rate	Other Print Info	Bag Info	Order Start Date	Order Stop Date
739/6	Active	INFUSING	FUROSEMIDE INJ SOLN	200 mL/hr			04/06@1148	12/31@2400
739/10	Active	INFUSING	DEWAMETHASONE INJ SOLN	200 mL/hr			04/06@1040	12/31@2400
Stopped [0]								
All Other [11]								
739/5	Active	AVAILABLE	FUROSEMIDE INJ SOLN	200 mL/hr			04/06@1148	12/31@2400
739/8	Active	AVAILABLE	FUROSEMIDE INJ SOLN	200 mL/hr			04/06@1148	12/31@2400
739/7	Active	AVAILABLE	FUROSEMIDE INJ SOLN	200 mL/hr			04/06@1148	12/31@2400
739/53	Active	COMPLET	FUROSEMIDE INJ SOLN	200 mL/hr			04/06@1148	12/31@2400
739/51	Active	COMPLET	FUROSEMIDE INJ SOLN	200 mL/hr			04/06@1148	12/31@2400
739/13	Active	AVAILABLE	DEWAMETHASONE INJ SOLN	200 mL/hr			04/06@1040	12/31@2400
739/12	Active	AVAILABLE	DEWAMETHASONE INJ SOLN	200 mL/hr			04/06@1040	12/31@2400
739/11	Active	AVAILABLE	DEWAMETHASONE INJ SOLN	200 mL/hr			04/06@1040	12/31@2400
739/54	Active	COMPLET	DEWAMETHASONE INJ SOLN	200 mL/hr			04/06@1040	12/31@2400
739/52	Active	COMPLET	DEWAMETHASONE INJ SOLN	200 mL/hr			04/06@1040	12/31@2400
739/14	Active	HELD	DEWAMETHASONE INJ SOLN	200 mL/hr			04/06@1040	12/31@2400

BCMA Clinical Reminders
Count: 1 Activity: PRN Effectiveness

Server Time: 5/16/2011 16:05

Working with the Cover Sheet

Cover Sheet Screen: IV Overview (cont.)

The IV Overview provides two levels of detail for each bag displayed.

- 1) The top level displays bag and order data. It includes the following header and information in the order listed below.
 - **Icons:** When applicable, the following icons or indicators will display:
 - **Order Flag:** (Red block) displays for any flag from CPRS/ Pharmacy, with the corresponding “Reason for Flag” comment available from the right-click menu.
 - **Override/Intervention reasons:** (Yellow block) indicator displays in verified “Ver” cell when provider overrides or pharmacist interventions are associated with an order.
 - **IV Order – No action taken yet:** (Question mark) Displays for large volume IV orders, where no action has been taken yet.
 - **Bag ID:** the unique identifier for the bag
 - **Order Status:** the current status of the order to which the bag belongs
 - **Bag Status:** the current status of the bag
 - **Ver:** the initials of the nurse who verified the order or three asterisks (***) indicating non-nurse verified.
 - **Medication:** the orderable item associated with the order
 - **Infusion Rate:** the infusion rate associated with the order
 - **Other Print Info:** other print info associated with the order
 - **Bag Info:** “changed order” if the bag is associated with an order that has been edited
 - **Order Start Date:** the order’s start date/time displayed in MM/DD@HHMM format
 - **Order Stop Date:** the order’s stop date/time displayed in MM/DD@HHMM format



TIP:

Actions that display a status of “Unknown” are due to incomplete documentation of an administration in the BMCA CHUI *Manual Medication Entry*, and must be corrected using Edit Med Log.

Working with the Cover Sheet

Cover Sheet Screen: IV Overview (cont.)

2) The second level displays the bag history (actions and comments) and includes the following header and information in the order listed below.

- **Date/Time:** date/time associated with action or comment being displayed in MM/DD@HHMM format
- **By:** the initials of the person that performed the action or entered the comment
- **Action:** the status of the administration (i.e., Given, Held, Refused, Missing, etc.)
- **Comment:** text of the comment being displayed

Working with the Cover Sheet

Cover Sheet Screen: Expired/DC'd/ Expiring Orders

By default, the Expired/DC'd/Expiring Orders view displays and groups expired, discontinued, and expiring orders within a 24 hour period. Using drop-down lists, the user can temporarily expand the display timeframe of this view to 48 or 72 hours in the past or future.

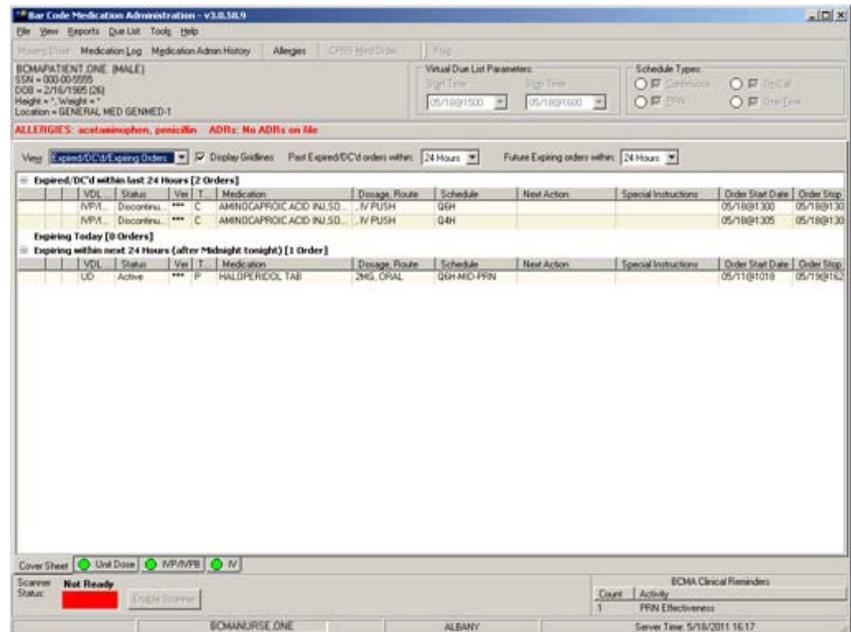
Example: Fields to Expand Display Timeframe



The specified timeframe and the total number of orders per group displays in brackets next to each group heading. The groups are displayed top down as follows:

- **Expired/DC'd within last (24) Hours:** those orders that have expired or have been discontinued within the last 24 hours. If the user specifies an expanded timeframe for past orders, the heading and orders will dynamically update according to the number of hours specified.
- **Expiring Today:** those orders that have not yet expired, but will expire before midnight of the current day.
- **Expiring within next (24) Hours (after Midnight tonight):** those orders that expire 24 hours after midnight of the current day, but before midnight of the following day (tomorrow). If the user specifies an expanded timeframe for future orders, the heading and orders will dynamically update according to the number of hours specified.

Example: View: Expired/DC'd/Expiring Orders



Working with the Cover Sheet

Cover Sheet Screen: Expired/DC'd/ Expiring Orders (cont.)

The Expired/DC'd/Expiring Orders view provides three levels of detail for each order displayed.

- 1) The top level displays order and next administration data, and includes a header and information in the order listed below.

- **Icons:** When applicable, the following icons will display:
 - **STAT:** (Exclamation Point) displays for STAT orders
 - **Order Flag:** (Red block) displays for any flag from CPRS/ Pharmacy, with the corresponding “Reason for Flag” comment available from the right-click menu
 - **Override/Intervention reasons:** (Yellow block) indicator displays in verified “Ver” cell when provider overrides or pharmacist interventions are associated with an order.
- **VDL Tab:** the name of the tab within BCMA where administrations are displayed.
- **Status:** the current status of the order (i.e., Active, Hold, Expired)
- **Ver:** the initials of the nurse who verified the order or three asterisks (***) indicating non-nurse verified.
- **Type:** the schedule type of the order (C for Continuous, O for One-Time, OC for On-Call, P for PRN)
- **Schedule:** the order schedule (i.e., Q2H, BID)
- **Medication:** the orderable item associated with the order
- **Dosage, Route:** the dosage and route of the order separated by a comma
- **Next Action:** one of the following:
 - **“DUE”** followed by the next scheduled administration time after the last action taken for active orders that have defined administration times in MM/DD@HHMM format.
 - **“Missed”** followed by the next scheduled administration time after the last action taken if administration date/time exceeds the After Scheduled Admin Time site parameter in MM/DD@HHMM format.

Working with the Cover Sheet

Cover Sheet Screen: Expired/DC'd/ Expiring Orders (cont.)

- **“Provider Hold”** for active orders on provider hold
- Blank for PRN, On Call, and One-Time orders
- **Special Instructions:** special instructions associated with the order
- **Order Start Date:** the order’s start date/time displayed in MM/DD@HHMM format
- **Order Stop Date:** the order’s stop date/time displayed in MM/DD@HHMM format

Working with the Cover Sheet

Cover Sheet Screen: Expired/DC'd/ Expiring Orders (cont.)



TIP:

Actions that display a status of "Unknown" are due to incomplete documentation of an administration in the *BMCA CHUI Manual Medication Entry*, and must be corrected using Edit Med Log.

- 2) The second level displays a maximum of four previous actions taken against this specific order, and includes a header and information in the order listed below.

Note: Actions whose activity date exceeds the "Med History Days Back" site parameter will not be displayed.

- **Bag ID:** If the order is an IV order, then the Bag ID header and field displays, which is the unique identifier for the bag associated with this action.
 - **Action By:** the initials of the person that performed the action and the date/time of the action in MM/DD@HHMM format
 - **Action:** the status of the administration (i.e., Given, Held, Refused, Missing, etc.)
 - If the order has a PRN schedule type, the following headers and fields will display:
 - **PRN Reason:** the PRN reason associated with the action
 - **PRN Effectiveness:** the PRN Effectiveness comment for this action
- 3) The third level displays comments associated with the action and includes the following header and information.
- **Comment By:** the initials of the person that entered the comment and the date/time the comment was entered in MM/DD@HHMM format
 - **Comment:** the text of the comment

Working with the Cover Sheet

Accessing the Cover Sheet

BCMA opens to the Unit Dose tab by default. You must select the Cover Sheet tab in order to view the Cover Sheet.

To Access the Cover Sheet

- 1 Open a patient record using any of the available methods.
- 2 Click on the Cover Sheet tab to display the Cover Sheet for the current patient.

Keyboard Shortcut: Press **F9** to display the Cover Sheet tab for the current patient.

Example: Cover Sheet Tab



- 3 After a brief “Loading Cover Sheet” message, the Cover Sheet displays the default Cover Sheet view, the Medication Overview, for the current patient.

Example: Default Cover Sheet View

BCMA PATIENT, TWELVE (FEMALE)
 SSN = 000.00.1212
 DOB = 4/16/1963 (26)
 Height = ", Weight = "
 Location = CARDIO CARDIO 2

ALLERGIES: morphine ADRX: No ADRX on file

UD	Active	***	O	ALPRAZOLAM TAB	1MG, ORAL	NOW			08/12@1603	08/25@1603
IVPA	Active	***	C	FURIOSEMIDE INJ,SOLN	10MG/1ML, IV	BID	MISSED	07/14@0900	04/07@1159	10/04@1159
UD	Active	***	C	WARFARIN/GOLDEN STATE EM...	5MG, ORAL	Q4H	MISSED	08/01@1700	07/13@1308	10/11@1314
IVPA	Active	***	C	METRONIDAZOLE 500MG IN 10...	5MG/TML, IV FL...	Q3H	MISSED	07/20@2200	07/13@1306	01/09@1320
UD	Active	***	P	TRACYDOLONE TAB	, ORAL	BID PRN			06/13@1542	02/09@1541
UD	Active	***	P	ALBUTEROL INHA, ORAL	2 PUFFS, INHA	TID PRN			04/07@1157	04/06@1157
UD	Active	***	C	HYDROCORTISONE LOTION, TOP	1% SMALL AMO...	Q4H	MISSED	08/01@2100	04/07@1308	04/06@1158
UD	Active	***	C	ACYCLOVIR CAP, ORAL	200MG, ORAL	Q4H	MISSED	04/14@1300	04/14@1124	04/13@1124
UD	Active	***	C	ALENDRONATE TAB	30MG, ORAL	Q4H	MISSED	08/01@2100	GIVE ON EMPTY STOMA.	06/22@2400
UD	Active	***	C	DIGOXIN TAB	0.25MG, ORAL	BID	MISSED	08/02@0900	Hold for HR < 60	07/27@1802
UD	Active	***	C	NICOTINE 14MG/24HR PATCH P...	14MG/24HR5...	BID	MISSED	08/02@0900	remove and reapply daily at...	07/20@1613
UD	Active	***	P	ALBUTEROL INHA, ORAL	1 PUFF, INHA	QID PRN			07/28@1636	07/27@1636
IV	Active	***		ACYCLOVIR INJ	200 mL/hr, INTR.				08/19@1645	08/26@1645
IV	Active	***		PENICILLIN G POTASSIUM INJ	10 mL/hr, INTRA...				08/02@2117	08/31@1218
IV	Active	***		MULTIVITAMINS INJ	50 mL/hr, INTRA...				06/27@1237	09/25@1230
IVPA	Active	***	C	PENICILLIN G POTASSIUM INJ	INFUSE OVER	BID	MISSED	07/15@0900	THIS IS OTHER PRINT IN.	06/24@1428
IV	Active	***		CEFACOLIN INJ	500 mL/hr, INTR...				06/30@0926	08/28@0929
IV	Active	***		PENICILLIN G POTASSIUM INJ	60 mL/hr, INTRA...				07/27@1650	10/25@1651
IV	Active	***		HEPARIN/DIALYSIS TPN*2000u	60 mL/hr, INTRA				04/14@1714	12/24@1340
IV	Active	***		DILTIAZEM INJ	100 mL/hr, INTR.				04/07@1201	04/06@1201

Future [0 Orders]
Expire4/DC'd [1 Order]

UD	Expired	***	C	HYDRALAZINE "HIGH ALERT" I...	10MG, ORAL <th>Q4H</th> <th></th> <th></th> <th>08/14@1154</th> <th>08/19@1154</th>	Q4H			08/14@1154	08/19@1154
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BCMA Clinical Reminders
 Count: 2
 Activity: PFN Effectiveness

Working with the Cover Sheet

Accessing the Cover Sheet (cont.)

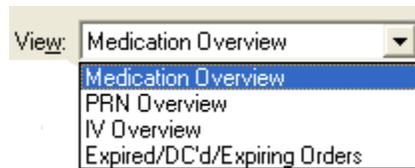
The Cover Sheet opens to the Medication Overview by default. You may select one of the four available Cover Sheet views.

To select a Cover Sheet View

- 1 From the Cover Sheet tab, click on the View drop-down list box, and then select one of the available views from the list.

Keyboard Shortcut: Press **ALT-W** to activate the View drop-down list box, and then press any **ARROW** key to quickly switch to another view.

Example: View Drop-down List Box



- 2 The Cover Sheet displays the selected view for the current patient.

Working with the Cover Sheet

Using the Cover Sheet

TIP:



Press the **TAB** and **SHIFT-TAB** keys to move from group to group.

Press the **UP** and **DOWN ARROW** keys to move from row to row within a group.

TIP:



Press the **F5** key to refresh and reload Cover Sheet data.

All current Cover Sheet display settings will remain during refresh.

You can control the way data is displayed on any Cover Sheet view by using the mouse and keyboard shortcuts. By default, all groups are expanded per view, and all rows are collapsed. When the user expands or collapses data in a view, it remains that way until the user exits BCMA.

To Expand and Collapse Groups and Rows

- From the Cover Sheet tab, perform one of the following actions:
 - Click on the **+** to expand a collapsed group or row.
 - Click on the **-** to collapse an expanded group or row.
 - Click anywhere on a row that begins with **+** or **-** to expand/collapse the group or row.

Keyboard Shortcuts: To Expand/Collapse the selected data row: Press the **LEFT** or **RIGHT ARROW** key.

To Expand/Collapse groups within a view:

SHIFT-F9	Expand/Collapse the first group in a view
SHIFT-F10	Expand/Collapse the second group in a view
SHIFT-F11	Expand/Collapse the third group in a view

Note: These shortcuts function when data rows exist in a group.

- The selected group or row expands or collapses. The following example shows a fully expanded row of data, along with the conditional headers that display.

Example: Fully Expanded Data

Working with the Cover Sheet

Using the Cover Sheet (cont.)

You may choose to display or hide the gridlines in the Cover Sheet. This feature has no affect on functionality; it is a matter of user preference. By default, the gridlines are displayed when the Cover Sheet loads.

To Hide/Display Cover Sheet Gridlines

- 1 From the Cover Sheet tab, click on the Display Gridlines checkbox to turn off/on the display of grid lines on the Cover Sheet.

Keyboard Shortcut: Press **TAB** or **SHIFT-TAB** to shift focus to the Display Gridlines field, then press **SPACEBAR** to check/uncheck the box.

Example: Display Gridlines Checkbox

Display Gridlines

- 2 If the Display Gridlines checkbox is unchecked, the gridlines are hidden from all Cover Sheet views, as shown in the example below.

Example: Cover Sheet with Gridlines Hidden

The screenshot shows the 'Bar Code Medication Administration - v3.0.58.9' application window. The patient information at the top includes 'SCHAPIRANT ONE (MALE)', 'SSN = 000-00-0000', 'DOB = 2/16/1985 (26)', 'Height = 5 Weight = 170', and 'Location = GENERAL MED GENMED-1'. The 'ALLERGIES' section lists 'acetaminophen, penicillin' and 'ADRs: No ADRs on file'. The 'Medication Overview' section is active, showing a table of 14 active orders and 2 expired orders. The table columns are: VCL, Status, Ver, Tr, Medication, Dosage, Route, Schedule, Next Action, Special Instructions, Order Start Date, and Order D. The active orders include medications like HALOPERIDOL TAB, ACARBOSE TAB, CIPROFLOXACIN TAB, OFLOXACIN TAB, ALPRAZOLAM TAB, EMAMPENZ TAB, AMPICILLIN INJ, AMINOCAPROIC ACID INJ SOLN, WARFARIN/GOLDEN STATE/IM, AMPICILLIN INJ, PENICILLIN G POTASSIUM INJ, HEPARIN HIGH ALERT INJ SOLN, FUSIDIC ACID INJ SOLN, and DEXAMETHASONE INJ SOLN. The 'Cover Sheet' view is selected at the bottom, and the 'Display Gridlines' checkbox is unchecked.

Viewing and Printing BCMA Reports

Benefits of this Chapter

Enhancements to Report Printing



TIP:

All reports from BCMA print in a 132-column format.

This chapter describes a variety of reports originating from BCMA that you can view and print on-screen via the BCMA VDL or via Tabs in CPRS. You can also use the reports to view patient demographic and allergy information.

Here are the changes to the original report printing functionality in BCMA V. 3.0:

- The following features have been implemented for all GUI-based reports:
 - Report criteria entered by user at report run-time appear at the top of the report.
 - When applicable, a legend of initials and names appearing in the report displays at the bottom of all reports.
 - Reports can be previewed on screen or printed directly to the printer.
 - Queuing functionality can delay report printing to a future date/time.
 - Ward-based reports allow the user to select multiple patients, then print directly to a printer or preview and selectively print per patient.
 - Ward-based reports provide a feature to exclude inactive wards in the ward drop-down list.
 - A date range for Start and Stop dates is now available for the Medication Log, PRN Effectiveness, and Patient Ward Administration Time reports.
- **Medication Administration History (MAH) Report:** The Date column lists three asterisks (***) to indicate that a medication is not due. This information is also noted in the Legend at the bottom of the MAH Report.
- The report also includes information about when an order is placed “On Hold” and taken “Off Hold” by a provider, and the order Start and Stop Date/Time for the medication.
- **Medication Variance Report:** Provides “exceptions” (variances) to the medication administration process. It also lists “event” information within a selected date range, such as the type and number of events, and the total percentage of events that occurred. A variance preceded by a minus sign (such as -24) indicates the number of minutes that a medication was given before the administration time.

Viewing and Printing BCMA Reports

Enhancements to Report Printing (cont.)

- **Cumulative Vitals/Measurement Report:** Lists a patient's vitals from the Vitals package, along with their demographics and hospital location information. You cannot print this report by ward.
- **Ward-based Reports:** Simply click **CANCEL** at the Patient Lookup dialog box to access the Menu Bar — without opening a patient record — and print ward-based reports only, except for the Cumulative Vitals/Measurement Report. A patient's file must be opened to access patient-specific reports.
- **CHUI Missing Dose Report:** Changed the line item “Dosage Schedule” on the BCMA CHUI Missing Dose Report to “Schedule” to coincide with the Missing Dose Email Notification change described on the next page.
- **Missed Medications Report:** Indicates when a medication order is placed “On Hold” and taken “Off Hold” in CPRS or Inpatient Medications V. 5.0. The Hold information is provided below the medication information on the report, and only applies to administrations due within the Hold timeframe.

The “Order Num” column on the report lists the actual order number and order type (i.e., Unit Dose or IV). This information is quite helpful when troubleshooting problems with BCMA. Enhancements to the Missed Medications Report allow the user to selectively include or exclude Held and Refused orders in the report. A verified “Ver” column contains the initials of the nurse who verified the order or three asterisks (***) indicating the order was not nurse verified.

- **Cover Sheet–Medication Overview Report:** Displays and groups active, expired or discontinued, and future orders for the current patient or by selected patients on a ward. User specified criteria includes order status (Active, Future, Expired/DC'd), and whether to include actions and comments.
- **Cover Sheet–PRN Overview Report:** Displays and groups active, expired or discontinued, and future orders with a schedule type of PRN for the current patient or by selected patients on a ward. User specified criteria includes order status (Active, Future, Expired/DC'd), and whether to include actions and comments.
- **Cover Sheet–IV Overview Report:** Displays and groups IV bag information on active, expired, and discontinued orders for the current patient or by selected patients on a ward. User specified criteria includes order status (Infusing bags, Stopped bags, All others), and whether to include actions and comments.

Viewing and Printing BCMA Reports

Enhancements to Report Printing (cont.)

- **Cover Sheet–Expired/DC’d/Expiring Orders Report:** Displays and groups expired and discontinued orders, as well as orders that will expire for the current patient or by selected patients on a ward. User specified criteria includes order status (Expired/DC’d, Expiring Today, Expiring Tomorrow), and whether to include actions and comments.
- **Medication Therapy Report:** Includes information similar to the Medication History Report but does not require a patient record to be open. The report can be run for the current patient or by selected patients on a ward. User can select medications by searching by VA Drug Class, Orderable Item, or Dispense Drug. Other user specified criteria includes date range, schedule types, and whether to include/exclude comments.
- **IV Bag Status Report:** Provides status on large volume IV bags, excluding available bags, by patient or selected patients on a ward. User can include/exclude by IV bag status: completed, infusing, stopped, missing dose, held, refused, and IV bags for which no action has been taken on the order. Other user specified criteria includes date range, order status (Active, DC’d, Expired), and whether to include/exclude comments.

Viewing and Printing BCMA Reports

Viewing/Printing Demographics Data



TIP:

Use the Patient Demographics Button in the upper left-hand corner of the VDL, below the Tool Bar, to quickly display patient demographics data.

You can use the Patient Demographics command (or button) to view or print personal, admission, eligibility, and appointment information about the patient whose orders are displayed on the BCMA VDL. This information was electronically documented when the patient was admitted to your medical center.

To view/print a patient's demographics data

- 1 Select the Patient Demographics command from the View menu. The Patient Inquiry dialog box displays, with the patient's demographics data.

Keyboard Shortcut: Press **ALT+V** to display the View menu, and then press **P** to display the Patient Inquiry dialog box.

Example: Patient Inquiry Dialog Box

BCMAPATIENT, ONE 000-00-9678 SEP 2, 1947
COORDINATING MASTER OF RECORD: ALBANY

Address: STREET ADDRESS UNKNOWN Temporary: NO TEMPORARY ADDRESS
UNK. CITY/STATE
County: UNSPECIFIED From/To: NOT APPLICABLE
Phone: UNSPECIFIED Phone: NOT APPLICABLE
Office: UNSPECIFIED
Cell: UNSPECIFIED
E-mail: UNSPECIFIED
Bad Addr:

Confidential Address: Confidential Address Categories:
NO CONFIDENTIAL ADDRESS
From/To: NOT APPLICABLE

Combat Vet Status: NOT ELIGIBLE
Primary Eligibility: UNSPECIFIED
Other Eligibilities:
Unemployable: NO

Status : ACTIVE INPATIENT-on WARD

Admitted : AMC 3,2006@12:17:30 Transferred :
Ward : 7A GRN MHD Room-Bed : 724-A
Provider : BCHAPROVIDER, ONE Specialty : DOMICILIARY PTSD
Attending : BCHAPROVIDER, ONE

Admission LOS: 398 Absence days: 0 Pass Days: 0 ASIH days: 0

Future Appointments: NONE

Remarks:

Date of Death Information
Date of Death:
Source of Notification:
Updated Date/Time:
Last Edited By:

Report 1 of 1 [Print] [Next] [Cancel]

Viewing and Printing BCMA Reports

Viewing/Printing Demographics Data (cont.)

To view/print a patient's demographics data (cont.)

- 2 Perform one of the following actions:
 - Review the patient's demographics data, and then click **CANCEL** to return to the patient's VDL.
 - Click **PRINT** to display the Printer dialog box. Proceed to step #3.

Keyboard Shortcut: Use **TAB** to move among the **PRINT** and **CANCEL** buttons.

- 3 Select a printer from the drop-down list box that you want to use for outputting a report with the patient's demographics data. Then click **OK**.

Note: The printer that you select becomes the "default" printer for *all* reports printed from BCMA.

Viewing and Printing BCMA Reports

Viewing/Printing Allergy and ADR Information



TIP:

Use the Allergies Button on the Tool Bar to quickly display an alphabetical listing of all food, drug, and “other” allergy and ADR information documented about the patient.

Clicking on the Allergies command (or button) displays allergy and adverse drug reaction (ADR) information documented about the patient in the Adverse Reaction Tracking (ART) package. This includes the causative agent, drug class, signs and symptoms, and whether the allergy/ADR was verified and observed. If the Allergies command/button is grayed out, no allergies or adverse drug reactions were documented about the patient.

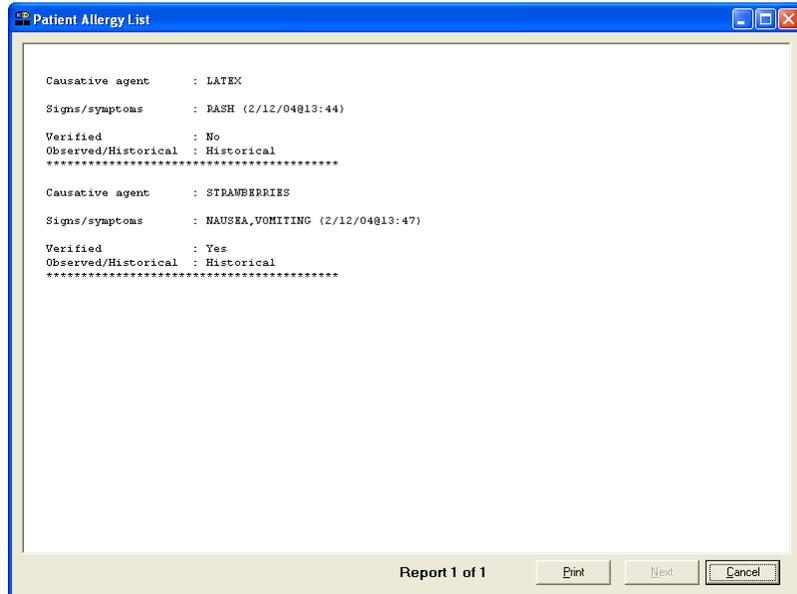
Note: BCMA only displays allergy information, not a drug “interaction” check.

To view/print a patient’s allergy and ADR information

- 1 Select the Allergies command from View menu. The Patient Allergy List dialog box displays, with the patient’s allergy and ADR information.

Keyboard Shortcut: Press **ALT+V** to display the View menu, and then press **A** to display the Patient Allergy List dialog box.

Example: Patient Allergy List Dialog Box



Viewing and Printing BCMA Reports

Viewing/Printing Allergy and ADR Information (cont.)

To view/print a patient's allergy and ADR information
(cont.)

- 2 Perform one of the following actions:
 - Review the patient's allergy and ADR information, and then click **CANCEL** to return to the patient's VDL.
 - Click **PRINT** to display the Printer dialog box. Proceed to step #3.

Keyboard Shortcut: Use **TAB** to move among the **PRINT** and **CANCEL** buttons.

- 3 Select a printer from the drop-down list box that you want to use for outputting a report with the patient's allergy and ADR information. Then click **OK**.

Note: The printer that you select becomes the "default" printer for *all* reports printed from BCMA.

Viewing and Printing BCMA Reports

Viewing/Printing an Order from Inpatient Medications (Display Order)



TIP:

Double-click on a medication order, displayed on the VDL, to view the details of the order from Inpatient Medications.

BCMA provides several ways for you to display (and print) the order details for Unit Dose and IV medication orders from Inpatient Medications V. 5.0. They include the following:

- Select a medication on the BCMA VDL, and then press **F4**
- Double-click on an order displayed on the BCMA VDL
- Use the Display Order command in the Due List menu
- Use the Display Order command in the right-click drop-down menu (on VDL or Cover Sheet)
- **Note:** The Display Order detail report is especially useful for the nurse to view if CPRS Provider Override Reasons/Pharmacist Interventions are associated with an order, as indicated by a yellow highlighted cell in the verified “Ver” column.

To view/print an order from Inpatient Medications

- 1 Select a medication order on the patient’s VDL.
- 2 Select the Display Order command from the Due List menu. The Display Order dialog box displays, with the details of the medication order.

Keyboard Shortcut: Press **F4** to display the Display Order dialog box.

Example: Display Order Dialog Box for Unit Dose Medication Order

BCMA - Display Order

Run Date: FEB 13, 2012 01:16
Page: 1

Patient: BCMA PATIENT, TWELVE SSN: 000-00-1212 DOB: APR 16, 1963 (28)
Sex: FEMALE Hc/Uc: */* Ward: CARDIO 2a CARDIO-2
Dx: ANGINA PECTORIS Last Hmc: OCT 12, 2010 01:46:22 Type: ADMISSION

ADRs: No ADRs on file.

Allergies: FENTANYL, MORPHINE

Orderable Item: ALBUTEROL INHL, ORAL Start: 04/07/2011 11:57
Dosage Ordered: 2 PUFFS Stop: 04/06/2012 11:57

Med Route: INHALATION ORAL Self Med: NO
Schedule Type: PRN
Schedule: TID PRN
Admin Times:
Provider: MCCOY, DOWE
Special Instructions/Other Print Info:
2 PUFFS BX DAILY AS NEEDED FOR WHEEZING

Dispense Drugs

Drug Name	Units	Inactive Date
ALBUTEROL 90MG (CFR-F) 2000 ORAL INHL 1		

Pharmacy Activity Log:
Date: Apr 07, 2011 01:57:25 User: GLEN, ELMO
Activity: VERIFIED BY PHARMACIST

Report 1 of 1 Print Local Print Help Cancel

Viewing and Printing BCMA Reports

Viewing/Printing an Order from Inpatient Medications (Display Order) (cont.)

To view/print an order from Inpatient Medications (cont.)

This section provides examples of an IV Piggyback and IV medication order as they were entered using Inpatient Medications V. 5.0.

Example: Display Order Dialog Box for IV Piggyback Medication Order

BCMA - Display Order

Run Date: APR 24, 2012 10:26 Page: 1

Patient: BCPATIENT.TWELVE SSN: 000-00-1212 DOB: APR 16, 1983 (29)
Sex: FEMALE IR/WE: ** Ward: CARDIO Rm CARDIO-2
Di: ANGINA PECTORIS Last Eval: OCT 12, 2010 17:46:22 Type: ADMISSION

ADRs: No ADRs on file.

Allergies: FENTANYL, MORPHINE

Orderable Item: ONDANSETRON 2MG/ML 2ML INJ,SOLN
Dosage Ordered: 2MG/ML Start: 02/20/2012 21:48
Med Route: IV PUSH Stop: 06/18/2012 21:48
Schedule Type: PRN Self Med: NO
Schedule: Q2H PRN

Admin Times:
Provider: NEWMAN, DI
Special Instructions/Other Print Info:
AS NEEDED FOR NAUSEA VOMITING --- MAX 12MG/24HRS

Dispense Drugs	Units	Inactive Date
ONDANSETRON 2MG/ML 2ML VIAL	1	

Pharmacy Activity Log:
Date: Feb 20, 2012 21:48:11 User: NEWMAN, DI
Activity: VERIFIED BY PHARMACIST

Report 1 of 1 Print Next Cancel

Example: Display Order Dialog Box for IV Medication Order

BCMA - Display Order

Run Date: APR 09, 2012 15:13 Page: 1

Patient: BCPATIENT.TWELVE SSN: 000-00-1212 DOB: APR 16, 1983 (28)
Sex: FEMALE IR/WE: ** Ward: CARDIO Rm CARDIO-2
Di: ANGINA PECTORIS Last Eval: OCT 12, 2010 17:46:22 Type: ADMISSION

ADRs: No ADRs on file.

Allergies: FENTANYL, MORPHINE

Orderable Item: DIGOCIN IMMUNE FAB INJ,SOLN
Infusion Rate: 50 ml/hr Start: 03/16/2012 14:11
Med Route: INTRAVENOUS Stop: 06/14/2012 14:14
Schedule Type: CONTINUOUS

Provider: DIGOAN, FARLA
Special Instructions/Other Print Info:
* (MG/ML) = BASAL=1MG/HR (0.5ML/HR)
PCA DOSE = 1MG (0.5ML) EVERY 10
MINUTES PRN,
PCA LOCKOUT=5MG/HR (2.5ML/HR)*

Additives	Strength
DIGOCIN IMMUNE FAB	500 MG

Solution	Volume
D5W/NACL 0.45%/RCL ZOMELO	1000 ML

Pharmacy Activity Log:
Date: Mar 16, 2012 14:14:26 User: DIGOAN, FARLA
Activity: EDIT
Date: Mar 16, 2012 14:14:31 User: DIGOAN, FARLA
Activity: VERIFY
Reason: ORDER VERIFIED BY PHARMACIST

Report 1 of 1 Print Next Cancel

Viewing and Printing BCMA Reports

Viewing/Printing an Order from Inpatient Medications (Display Order) (cont.)

To view/print an order from Inpatient Medications (cont.)

- 3 Perform one of the following actions:
 - Review the patient's medication order, and then click **CANCEL** to return to the patient's VDL.
 - Click **PRINT** to display the Printer dialog box. Proceed to step #4.

Keyboard Shortcut: Use **TAB** to move among the **PRINT** and **CANCEL** buttons.

- 4 Select a printer from the drop-down list box that you want to use for outputting a report, with the patient's medication order. Then click **OK**.

Note: The printer that you select becomes the "default" printer for *all* reports printed from BCMA.

Provider Override Reasons/Pharmacist Interventions

If CPRS Provider override reasons and/or Pharmacist interventions exist for an order, a summary of the order's current CPRS Order Checks, Provider override reasons and Pharmacist intervention information will be included in the BCMA Order Detail report, below "Spec Inst". The following pages show various examples of this report.

Viewing and Printing BCMA Reports

Viewing/Printing an Order from Inpatient Medications (Display Order) (cont.)

To view/print an order from Inpatient Medications (cont.)

This section provides examples of BCMA Display Order Detail reports containing provider override and pharmacist intervention information.

In the following example, both current CPRS Provider Overrides and current Pharmacist Interventions exist for a critical drug-drug interaction or an allergy/ADR associated with the order.

Example: Order Detail Report with Provider Override and Pharmacist Intervention

```
BCMA - Display Order                                     Run Date: FEB 13, 2012@11:27
                                                         Page: 1

Patient: BCHAPATIENT,FOUR          SSN:      000-00-0404          DOB:     JUL 3,1958 (53)
Sex:      MALE                      Ht/Wt:    */*              Ward:    GENERAL SURGERY Rm CENSUR-1
Dx:       LUPUS                      Last Hvmt: OCT 12,2010@11:34:11  Type:    ADMISSION

ADRs:      No ADRs on file.

Allergies: No Known Allergies
=====
Orderable Item: METRONIDAZOLE TAB
Dosage Ordered: 250MG                Start:    02/13/2012 11:20
                                         Stop:     02/27/2012 11:20
Med Route:  ORAL
Schedule Type: CONTINUOUS           Self Med: NO
Schedule:  Q4H
Admin Times: 0100-0500-0900-1300-1700-2100
Provider: DAZOLE,JAMES
Special Instructions/Other Print Info:
Give only at scheduled times. Call Dr. Harris if patient refuses
medications.

=====
** Current Provider Overrides for this order **
=====

Overriding Provider: DAZOLE,JAMES (PROVIDER)
Override Entered By: DAZOLE,JAMES (PROVIDER)
Date/Time Entered: 02/13/12 11:20
Override Reason: Interaction OK per Dr. DAZOLE

CRITICAL drug-drug interaction: METRONIDAZOLE 250MG TAB and WARFARIN NA (GOLDEN STATE) 5MG TAB [UNRELEASED] - Concurrent use of
anticoagulants with metronidazole or tinidazole may result in reduced prothrombin activity and/or increased risk of bleeding. -
Monograph Available

Duplicate Therapy: Order(s) exist for {METRONIDAZOLE 250MG TAB [UNRELEASED]} in the same therapeutic categor(ies):
Nitroimidazole, Pseudomonas Colitis Agents, Antibiotics with Anaerobic Coverage

=====
** Current Pharmacist Interventions for this order **
=====

Intervention Date/Time: 02/13/12 11:26
Patient: BCHAPATIENT,FOUR
Provider: INPATIENT-MEDS,PROVIDER
Pharmacist: DAZOLE,JAMES
Drug: METRONIDAZOLE 250MG TAB
Instituted By: PHARMACY
Intervention: CRITICAL DRUG INTERACTION
Recommendation: CHANGE DOSE
Originating Package: INPATIENT
```

Viewing and Printing BCMA Reports

Viewing/Printing an Order from Inpatient Medications (Display Order) (cont.)

To view/print an order from Inpatient Medications (cont.)

In the following example, a current CPRS Provider Override exists for a critical drug-drug interaction or an allergy/ADR associated with the order. No Pharmacist Intervention exists for the order.

Example: Order Detail Report with Provider Override

```
BCMA - Display Order                                     Run Date: FEB 13, 2012 11:23
                                                         Page: 1

Patient:  SCHAPATIENT,FOUR          SSN:      000-00-0404          DOB:    JUL 3,1958 (53)
Sex:      MALE                      Ht/Wt:   */*                Ward:   GENERAL SURGERY Pa GENSUR-1
Dx:      LUPUS                       Last Hvat: OCT 12,2010 11:34:11  Type:  ADMISSION

ADRs:      No ADRs on file.

Allergies: No Known Allergies
=====
Orderable Item: METRONIDAZOLE TAB
Dosage Ordered: 250MG                Start:   02/13/2012 11:22
                                           Stop:   02/27/2012 11:22
Med Route:   ORAL
Schedule Type: CONTINUOUS           Self Med: NO
Schedule:    Q4H
Admin Times: 0100-0500-0900-1300-1700-2100
Provider:    DAZOLE,JAMES
Special Instructions/Other Print Info:
OK per Dr. Harris

=====
** Current Provider Overrides for this order **
=====
No Provider Overrides to display.

=====
** Current Pharmacist Interventions for this order **
=====

Intervention Date/Time: 02/13/12 11:20
Patient:  SCHAPATIENT,FOUR
Provider: MCCOY,BONES T
Pharmacist: DAZOLE,JAMES
Drug:     METRONIDAZOLE 250MG TAB
Instituted By: PHARMACY
Intervention: CRITICAL DRUG INTERACTION
Recommendation: CHANGE DOSE
Originating Package: INFATIENT

=====
```

Viewing and Printing BCMA Reports

Viewing/Printing an Order from Inpatient Medications (Display Order) (cont.)

To view/print an order from Inpatient Medications (cont.)

In the following example, a current Pharmacist Intervention exists for a critical drug-drug interaction or an allergy/ADR associated with the order. No CPRS Provider Override exists for the order.

Example: Order Detail Report with Pharmacist Intervention

```
BCMA - Display Order                                     Run Date: FEB 13, 2012@11:23
                                                         Page: 1
Patient: BCMAPATIENT,FOUR                               SSN: 000-00-0404       DOB: JUL 3,1958 (53)
Sex: MALE                                               Ht/Wt: */*           Ward: GENERAL SURGERY Pm GENSUR-1
Dx: LUPUS                                               Last Visit: OCT 12,2010@11:34:11  Type: ADMISSION
ADRs: No ADRs on file.
Allergies: No Known Allergies
-----
Orderable Item: METRONIDAZOLE TAB
Dosage Ordered: 250MG                               Start: 02/13/2012 11:22
                                                    Stop: 02/27/2012 11:22
Med Route: ORAL
Schedule Type: CONTINUOUS                            Self Med: NO
Schedule: Q4H
Admin Times: 0100-0500-0900-1300-1700-2100
Provider: DAZOLE,JAMES
Special Instructions/Other Print Info:
OK per Dr. DAZOLE
-----
** Current Provider Overrides for this order **
-----
No Provider Overrides to display.
-----
** Current Pharmacist Interventions for this order **
-----
Intervention Date/Time: 02/13/12 11:20
Patient: BCMAPATIENT,FOUR
Provider: MCCOY,BONES T
Pharmacist: DAZOLE,JAMES
Drug: METRONIDAZOLE 250MG TAB
Instituted By: PHARMACY
Intervention: CRITICAL DRUG INTERACTION
Recommendation: CHANGE DOSE
Originating Package: INPATIENT
-----
```

Viewing and Printing BCMA Reports

Viewing/Printing BCMA Reports with Special Instructions / Other Print Info

The following BCMA reports invoke a 74 character word wrap for Special Instructions and Other Print Info to accommodate unlimited text:

- Medication Administration History (MAH) Report
- Display Order Detail Report
- Due List Report
- IV Bag Status Report
- Cover Sheet Report – Medication Overview Report
- Cover Sheet Report – PRN Overview Report
- Cover Sheet Report – IV Overview
- Cover Sheet Report – Expired/DC'd/Expiring Report

When printing the MAH report to a printer the following applies:
If Special Instructions / Other Print Info need to flow to another printed page, a blank line with the message: "CONTINUED ON NEXT PAGE***" is printed before the page break. The message: "***CONTINUED FROM PREVIOUS PAGE ***" and a blank line is printed on the subsequent page after the page headers.

Viewing and Printing BCMA Reports

Viewing/Printing a Due List Report



TIP:

BCMA lists information on the Due List Report by IV orders, then by Unit Dose orders. Within each section, medications are listed alphabetically.



TIP:

The Patient Due List dialog box “defaults” include all check boxes selected, and today’s date listed.

BCMA lets you print (and yes, still view) a Due List Report directly from the BCMA VDL. This report provides detailed information about active and future Unit Dose and IV medication orders that are “due” for administering to a patient — during a timeframe that you specify — within a 24-hour period.

The Due List Report includes patient demographic data, allergies and ADR information, plus detailed information about an order, such as whether (or not) the medication is a self-med; the medication type, schedule, dose, and route; Special Instructions; administration times; Last Given date and time; Start/Stop date and time; and the individual(s) who verified the order.

To view/print a Due List Report

- 1 Select the Due List command from the Reports menu. The Patient Due List dialog box displays.

Keyboard Shortcut: Press **ALT+R** to display the Reports menu, and then press **D** to display the Patient Due List dialog box.

Example: Patient Due List Dialog Box

Viewing and Printing BCMA Reports

Viewing/Printing a Due List Report (cont.)



TIP:

You can type the information in the list boxes, or use the drop-down arrows to make your selection.



TIP:

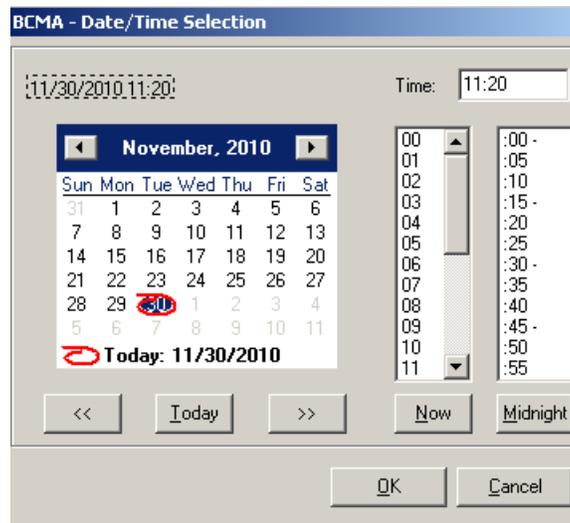
The bottom of the Due List Report includes blank lines for making any "Changes/Addendums" to the patient's orders. Future orders display on a separate page.

To view/print a Due List Report (cont.)

- 2 Use the **DOWN ARROW**, within the list boxes, to select the Date, and Start and Stop Times of the Due List Report that you want to view on-screen or print.

Note: Clicking on the **DOWN ARROW** on the Date for Report list box displays a calendar. You can use the scroll arrows in the upper corners of the calendar to display a different month, and then click on a date to select it and close the calendar. Clicking inside the Start/Stop Time list boxes provides selections.

Example: Date/Time Selection Calendar



Keyboard Shortcut: Use **TAB** to move among the different areas of the dialog box.

- 3 In the Include Schedule Types and Include Order Types areas, click inside a check box to exclude your selection from the report (i.e., uncheck the selection).

Keyboard Shortcut: Press **SPACEBAR** to select a check box.

- 4 In the Include Detail area, click inside the check box to include Special Instructions / Other Print Info in the report.
- 5 In the Print by area, select to print by Patient or Ward.

Note: If you choose to print the report by Patient, go to step 7.

Viewing and Printing BCMA Reports

Viewing/Printing a Due List Report (cont.)

To view/print a Due List Report (cont.)

Note: If you choose to print the report by Ward, make your selection from the Ward list box provided.

Keyboard Shortcut: Use the **DOWN ARROW** to select the Ward, and then select a ward location from the drop-down list box.

- 6 To include Inactive Wards, click inside the check box to deselect the default “Exclude Inactive Wards”.
- 7 Select Sort by Patient (default), Sort by Room-Bed, or Print Selected Patients on Ward.

Note: If you choose to print selected patients, you must click **SELECT PATIENTS** and then select the patients you want to preview or print, then click **OK**.

- 8 Perform one of the following actions:
 - Click **PREVIEW** to display the report on-screen.
 - Click **PRINT** to display the Printer dialog box.
 - Click **CANCEL** to return to the patient’s VDL.

Keyboard Shortcut: Use the **DOWN ARROW** to select the Ward, and then select a ward location from the drop-down list box.

Keyboard Shortcut: Use **TAB** to move among the **PREVIEW**, **PRINT** and **CANCEL** buttons.

Viewing and Printing BCMA Reports

Viewing/Printing a Due List Report (cont.)



TIP:

You can type the information in the list boxes, or use the drop-down arrows to make your selection.

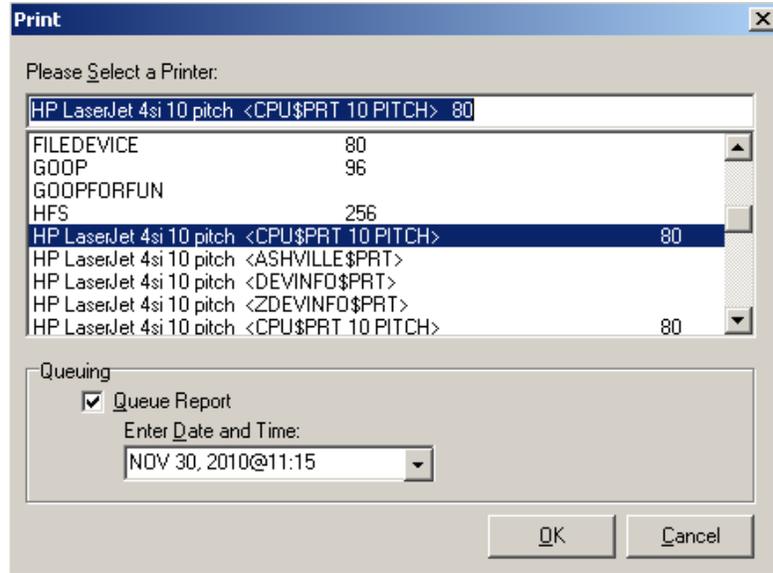


TIP:

The bottom of the Due List Report includes blank lines for making any “Changes/Addendums” to the patient’s orders. Future orders display on a separate page.

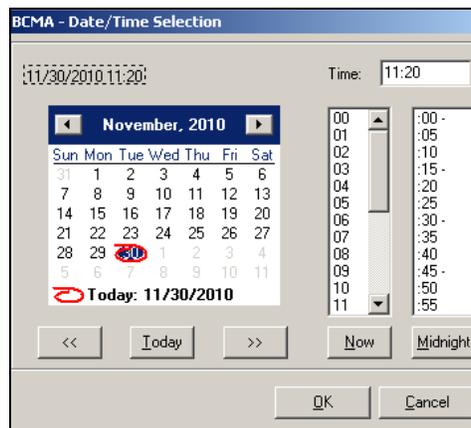
To view/print a Due List Report (cont.)

Example: Print Screen



- 9 Perform one or more of the following actions, then click **OK**:
 - Select a printer from the drop-down list box
 - Check the Queuing check box and enter the Date and Time you want the report to print. Click the **DOWN ARROW** in the drop-down list box to display a choice of dates and times.

Example: Date/Time Selection for Print Queuing



Note: The printer that you select becomes the “default” printer for *all* reports printed from BCMA.

Viewing and Printing BCMA Reports

Viewing/Printing a Due List Report (cont.)

To view/print a Due List Report (cont.)

Example: Due List Report by Patient

Patient Due List

=====

MEDICATION DUE LIST for MAR 08, 2012@0001 to MAR 08, 2012@2400 Run Date: MAR 08, 2012@15:06
 Schedule Type(s): Continuous / PEN / OnCall / OneTime Page: 1
 Order Type(s): IV / Unit Dose / Future Orders

Patient: BCMAPATIENT,TWELVE SSN: 000-00-1212 DOB: APR 16,1983 (28)
 Sex: FEMALE Ht/Wt: */* Ward: CARDIO Em CARDIO-2
 Dx: ANGINA PECTORIS Last Mvmt: OCT 12,2010@17:46:22 Type: ADMISSION

ADRs: No ADRs on file.

Allergies: FENTANYL, MORPHINE

=====

Self	Med	Sched	Medication	Dose	Route	Last Given	Start Date @Time	Stop Date @Time	Verifying Rph/En
	IV-C		DOLASETRON INJ	Give:	INTRAV ENOUS		4/7/11 @12:01	4/6/12 @12:01	MBN/***
			*DOLASETRON *DEXTROSE 10% IN WATER	Admin Times: 0000					
	IV-C		FUROSEMIDE INJ,SOLN	Give:	INTRAV ENOUS	07/13/11@12:14	1/31/12 @12:55	7/29/12 @12:57	MBN/***
			*FUROSEMIDE *D5%/NACL 0.9%/KCL 20MEQ/L	Admin Times: 0000					
	IV-C		GENTAMICIN INJ,SOLN	Give: Q4H	IV PIGGYB ACK	03/05/12@21:51	1/22/12 @00:17	4/21/12 @00:18	MBN/***
			*GENTAMICIN *DEXTROSE 20%	Admin Times: 0100-0500-0900-1300-1700-2100					
	IV-C		PENICILLIN G POTASSIUM INJ	Give: TID	INTRAM USCULA R	03/05/12@21:48	2/27/12 @17:19	2/27/13 @17:15	MBN/***
			*PENICILLIN G POT	Admin Times: 0900-1300-1700					
	IV-C		TESTOSTERONE INJ,SOLN	Give: BID	INTRAM USCULA				
				Admin Times: 0100-0500-0900-1300-1700-2100					

Report 1 of 1

Viewing and Printing BCMA Reports

Viewing/Printing a Due List Report (cont.)

This section provides an example of a Due List Report by Ward/Patient.

Example: Due List Report by Ward Sort by Patient

Patient Due List

MEDICATION DUE LIST for APR 09, 2012@0001 to APR 09, 2012@2400 Run Date: APR 09, 2012@16:02
 Schedule Type(s): Continuous / PRN / OnCall / OneTime Page: 1
 Order Type(s): IV / Unit Dose / Future Orders

Patient: CHIPATNM,UPARROW SSN: 666-00-0257 DOB: DEC 12,1953 (58)
 Sex: MALE Ht/Wt: */* Ward: 7A GEN MED Rm 724-D
 Dx: MENTALLY UNSTABLE Last Mvmt: NOV 22,1994@08:07:52 Type: ADMISSION

ADRs: No ADRs on file.

Allergies: No Allergy Assessment

Self Med	Sched	Medication	Dose	Route	Last Given	Start Date @Time	Stop Date @Time	Verifying Rph/Rn
** NO SPECIFIED MEDICATIONS TO PRINT **								

Changes/Addendums to orders

CON ___ PRN ___ Drug: _____ Give: _____ Start: _____ Stop: _____
 OT ___ OC ___ Spec: _____ Initials: _____ Date: _____
 Inst: _____

CON ___ PRN ___ Drug: _____ Give: _____ Start: _____ Stop: _____
 OT ___ OC ___ Spec: _____ Initials: _____ Date: _____
 Inst: _____

CHIPATNM,UPARROW 666-00-0257 Ward: 7A GEN MED Room-Bed: 724-D

MEDICATION DUE LIST for APR 09, 2012@0001 to APR 09, 2012@2400 Run Date: APR 09, 2012@16:02
 Schedule Type(s): Continuous / PRN / OnCall / OneTime Page: 1
 Order Type(s): IV / Unit Dose / Future Orders

Patient: LECPATNM,SHIRLEY T SSN: 666-00-0207 DOB: FEB 16,1939 (73)
 Sex: FEMALE Ht/Wt: */* Ward: 7A GEN MED Rm 722-B
 Dx: DENGUE Last Mvmt: FEB 28,1997@15:23:44 Type: TRANSFER

ADRs: FLURAZEPAM, PENICILLIN, TETRACYCLINE

Allergies: AMPICILLIN, CIMETIDINE, LIDOCAINE, OTHER MOLDS (FREE TEXT), VANCOMYCIN, YOGURT

Self Med	Sched	Medication	Dose	Route	Last Given	Start Date @Time	Stop Date @Time	Verifying Rph/Rn
----------	-------	------------	------	-------	------------	------------------	-----------------	------------------

Report 1 of 1

Viewing and Printing BCMA Reports

Viewing/Printing a Due List Report (cont.)

This section provides an example of a Due List Report by Ward/Room-Bed.

Example: Due List Report by Ward Sort by Room-Bed

Patient Due List

 MEDICATION DUE LIST for APR 10, 2012@0001 to APR 10, 2012@2400 Run Date: APR 10, 2012@10:58
 Schedule Type(s): Continuous / PRN / OnCall / OneTime Page: 1
 Order Type(s): IV / Unit Dose / Future Orders

Patient: SCOPATNM,LADY SSN: 666-00-0721 DOB: AUG 30,1964 (47)
 Sex: FEMALE Ht/Wt: */* Ward: 7A GEN MED Rm 722-A
 Dx: OBSERVATION OF STUFF Last Mvmt: NOV 30,1998@08:56:19 Type: ADMISSION

ADRs: No ADRs on file.

Allergies: No Allergy Assessment

Self	Med	Sched	Medication	Dose	Route	Last Given	Start Date @Time	Stop Date @Time	Verifying Rph/Rn
** NO SPECIFIED MEDICATIONS TO PRINT **									

 Changes/Addendums to orders

CON ___ PRN ___ Drug: _____ Give: _____ Start: _____ Stop: _____
 Spec
 OT ___ OC ___ Inst: _____ Initials: _____ Date: _____

CON ___ PRN ___ Drug: _____ Give: _____ Start: _____ Stop: _____
 Spec
 OT ___ OC ___ Inst: _____ Initials: _____ Date: _____

 SCOPATNM,LADY 666-00-0721 Ward: 7A GEN MED Room-Bed: 722-A

 MEDICATION DUE LIST for APR 10, 2012@0001 to APR 10, 2012@2400 Run Date: APR 10, 2012@10:58
 Schedule Type(s): Continuous / PRN / OnCall / OneTime Page: 1
 Order Type(s): IV / Unit Dose / Future Orders

Patient: LECPATNM,SHIRLEY T SSN: 666-00-0207 DOB: FEB 16,1939 (73)
 Sex: FEMALE Ht/Wt: */* Ward: 7A GEN MED Rm 722-B
 Dx: DENGUE Last Mvmt: FEB 28,1997@15:23:44 Type: TRANSFER

ADRs: FLURAZEPAM, PENICILLIN, TETRACYCLINE

Allergies: AMPICILLIN, CIMETIDINE, LIDOCAINE, OTHER MOLDS (FREE TEXT), VANCOMYCIN, YOGURT

Self	Med	Sched	Medication	Dose	Route	Last Given	Start Date @Time	Stop Date @Time	Verifying Rph/Rn
------	-----	-------	------------	------	-------	------------	------------------	-----------------	------------------

Report 1 of 1

Viewing and Printing BCMA Reports

Viewing/Printing a Medication Log Report



TIP:

Medications ordered and documented using the CPRS Med Order Button in BCMA display on the Med Log Report opposite the text titled “BCMA/CPRS Interface Entry.”



TIP:

Use the Med Log Button on the BCMA Tool Bar, or the Reports Tab in CPRS, to quickly display the Patient Medication Log dialog box.

You can print (and still view on-screen) a patient’s Medication Log Report (or Med Log Report), listing *every* action taken on a medication order within a user-specified date range. You can choose to include/exclude Comments and Audits performed on the patient’s medication orders. Audits include “actions” taken on a medication.

The Medication Log Report also includes patient demographic data, allergies and ADR information, plus detailed information about the order, such as the drug/additive/solution; the orderable item dose, schedule, route, and injection site; Action date and time; Activity Start/Stop date and time; Unique Identifier Number for the bag; Unit ordered and given, and the clinician(s) who took an action on the medication.

Note: The Medication Log Report lists medications with a “Not Given” status in the Audit Trail section of the Log, not on the BCMA VDL. Administrations that were Cancelled are not listed on the Report.

To view/print a Medication Log Report

- 1 Select the Medication Log command from the Reports menu. The Patient Medication Log dialog box displays.

Keyboard Shortcut: Press **ALT+R** to display the Reports menu, and then press **L** to display the Patient Medication Log dialog box.

Example: Patient Medication Log Report Dialog Box

The screenshot shows the 'Patient Medication Log' dialog box. It features a 'Med Log' tab and several input fields: 'Start Date' (11/30/2010), 'Stop Date' (11/30/2010), 'Start Time' (0001), and 'Stop Time' (2400). Under 'Include Detail', 'Audits' is unchecked and 'Comments' is checked. The 'Print by' section has 'Patient' selected, a 'Ward' dropdown menu, and an 'Exclude Inactive Wards' checkbox. Below this is a 'Print by Ward Options' section with radio buttons for 'Sort by Patient', 'Sort by Room-Bed', and 'Print Selected Patients on Ward - No Patients Selected'. A 'Select Patients' button is next to the last option. At the bottom are 'Preview', 'Print', and 'Cancel' buttons.

Viewing and Printing BCMA Reports

Viewing/Printing a Medication Log Report (cont.)



TIP:

You can type the information in the list boxes, or use the drop-down arrows to make your selection.



TIP:

See the section "Viewing/Printing a Due List Report" to see how a Ward Report by Room-Bed looks when printed.

To view/print a Medication Log Report (cont.)

- 2 Use the **DOWN ARROW**, within the list boxes, to select the Start and Stop Dates, and Start and Stop Times of the Medication Log Report that you want to view on-screen or print.

Note: Clicking on the **DOWN ARROW** on the Date for Report list box displays a calendar. You can use the scroll arrows in the upper corners of the calendar to display a different month, and then click on a date to select it and close the calendar. Clicking inside the Start/Stop Time list boxes provides selections.

Keyboard Shortcut: Use **TAB** to move among the different areas of the dialog box.

- 3 In the Include Detail area, click inside the check boxes to include Audits and/or Comments in the report.

Keyboard Shortcut: Press **SPACEBAR** to select a check box.

- 4 In the Print by area, select to print by Patient or Ward.

Note: If you choose to print the report by Patient, go to step 7.

Note: If you choose to print the report by Ward, make your selection from the Ward list box provided.

Keyboard Shortcut: Use the **DOWN ARROW** to select the Ward, and then select a ward location from the drop-down list box.

- 5 To include Inactive Wards, click inside the check box to deselect the default "Exclude Inactive Wards".
- 6 Select Sort by Patient (default), Sort by Room-Bed, or Print Selected Patients on Ward.

Note: If you choose to print selected patients, you must click **SELECT PATIENTS** and then select the patients you want to preview or print, then click **OK**.

- 7 Perform one of the following actions:
 - Click **PREVIEW** to display the report on-screen.
 - Click **PRINT** to display the Printer dialog box.
 - Click **CANCEL** to return to the patient's VDL.

Keyboard Shortcut: Use **TAB** to move among the **PREVIEW**, **PRINT** and **CANCEL** buttons.

Viewing and Printing BCMA Reports

Viewing/Printing a Medication Log Report (cont.)

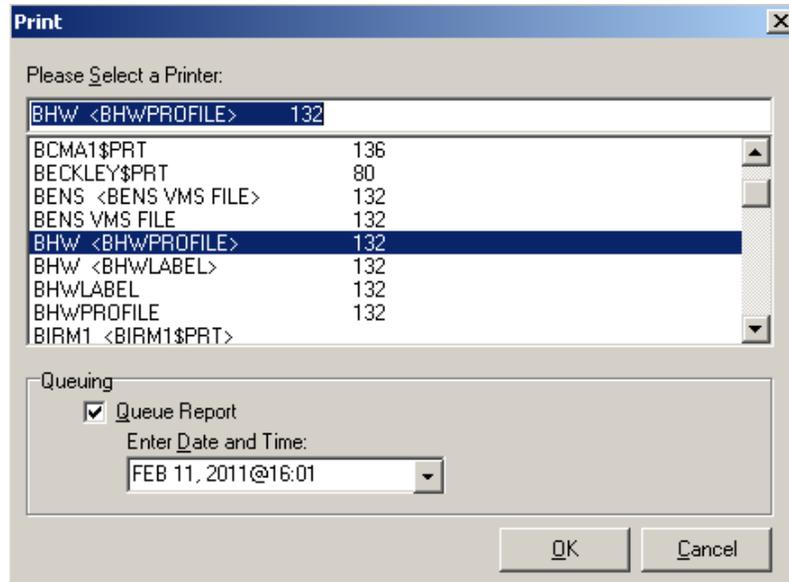


TIP:

You can type the information in the list boxes, or use the drop-down arrows to make your selection.

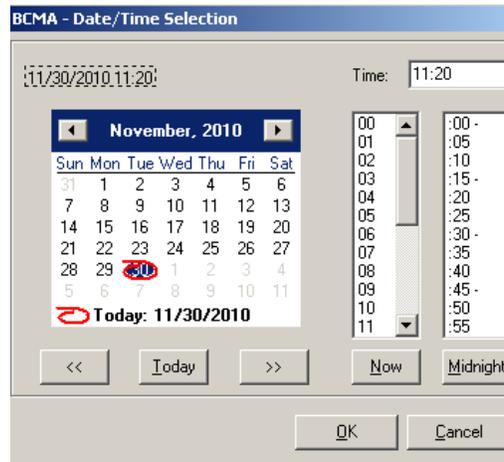
To view/print a Medication Log Report (cont.)

Example: Print Dialog Box



- 8 Perform one or more of the following actions, then click **OK**:
 - Select a printer from the drop-down list box that you want to use for outputting the Medication Log Report.
 - Check the Queuing check box and enter the Date and Time you want the report to print. Click the **DOWN ARROW** in the drop-down list box to display a choice of dates and times.

Example: Date/Time Selection for Print Queuing



TIP:

See the section "Viewing/Printing a Due List Report" to see how a Ward Report by Room-Bed looks when printed.

Viewing and Printing BCMA Reports

Viewing/Printing a Medication Log Report (cont.)

To view/print a Medication Log Report (cont.)

Note: The printer that you select becomes the “default” printer for *all* reports printed from BCMA.

Example: Medication Log Report by Patient

=====

MEDICATION LOG REPORT for SEP 04, 2007@0001 to SEP 05, 2007@2400
 Continuous/PRN/On-Call/One Time Medication/Treatment Record (Detailed Log) (V&F 10-2970 B, C, D) Run Date: SEP 05, 2007@15:58
 Log Type: INDIVIDUAL PATIENT Page: 1

Patient: ECHAPATIENT,ONE SSN: 000-00-9678 DOB: SEP 2,1947 (60)
 Sex: MALE Ht/Wt: */* Ward: 7A GEN MED Rm 724-A
 Dx: TESTING Last Mvmt: AUG 3,2006@12:17:30 Type: ADMISSION

ADRs: No ADRs on file.

Allergies: LATEX, STRAWBERRIES

=====

Action Date	Orderable Item	Action	Action	Drug/Additive/Solution	U/Ord	U/Gvn	Unit
Start Date>	[Dose/Sched/Route/Inj Site]	By	Date/Time				
Stop Date<							
09/05/07 09:38	FLUORESCHEIN [1 VIAL TID AC OS]	OB	09/05/07 09:38 Given				
8/29/07 06:00>	Comments: 09/05/07 09:38	OB	Patient sleeping	FLUORESCHEIN 2% OPHT SOL	1.00	1.00	2 drops
9/11/07 17:20<							
09/05/07 10:56	HYDROCORTISONE [500mg STAT IV IM]	OB	09/05/07 10:56 Given				
8/29/07 14:40>	Comments: <No Comments>			HYDROCORTISONE 500MG/2ML INJ	1.00	1.00	500mg
9/5/07 10:56:30<							
09/05/07 11:24	MILK OF MAGNESIA [30 ML Q6H PRN PO]	OB	09/05/07 11:24 Given				
9/5/07 09:48>	PRN Reason: Indigestion PRN Effectiveness: <No PRN Effectiveness Entered> Comments: <No Comments>			MILK OF MAGNESIA 16 OZ.	1.00	1.00	30 ML
9/19/07 09:48<							
09/05/07 15:28	MULTIVITAMINS [INFUSE OVER 30 MIN. QD IVP Inj Site: IV/LOCK]	OB	09/05/07 15:28 Given	Bag ID #780V95 MVI - 250 ML DEXTRROSE 5% IN WATER - 50 ML	NA	NA	NA
8/29/07 14:12>	Comments: <No Comments>						
9/28/07 14:14<							

Report 1 of 1 [Print] [Next] [Cancel]

Unique Identifier Number for IV Bag

Viewing and Printing BCMA Reports

Viewing/Printing an MAH Report



TIP:

You can specify the date range (as defined for CPRS), for an MAH Report. See "Note" on this page for more information.



TIP:

Use the Med Admin Hist Button on the BCMA Tool Bar, or the Reports Tab in CPRS, to quickly display the Patient Medications Given dialog box.

You can view on-screen and print a Medication Administration History (MAH) Report for Unit Dose and IV medication orders. This report lists a clinician's name and initials, and the exact time that an action was taken on an order (in a conventional MAR format). Each order is listed alphabetically by the orderable item. The Date column lists three asterisks (***) to indicate that a medication is not due. This information is also noted in the Legend at the bottom of the MAH Report.

An MAH Report includes patient demographic data, allergies and ADRs, plus detailed information about the order, such as the drug/additive/solution; the medication schedule, dose, route, and injection site; the actual administration times; the name and initials of the clinician who administered the medication; and the individuals who verified the order. It also includes information about when an order is placed "On Hold" and taken "Off Hold" by a provider, and the order Start and Stop Date/Time for the medication.

Note: If no parameter is defined in CPRS, the maximum date range defaults to a seven-date range. For example, a Report would list the Sunday proceeding, and the Saturday following, the date that you selected for the Report.

To view/print an MAH Report

- 1 Select the Medication Admin History command from the Reports menu. The Patient Medications Given dialog box displays.

Keyboard Shortcut: Press **ALT+R** to display the Reports menu, and then press **H** to display the Medication Admin History dialog box.

Example: Medication Admin History Dialog Box

Viewing and Printing BCMA Reports

Viewing/Printing an MAH Report (cont.)



TIP:

You can type the information in the list boxes, or use the drop-down arrows to make your selection.



TIP:

See the section “Viewing/Printing a Due List Report” to see how a Ward Report by Room-Bed looks when printed.

To view/print an MAH Report (cont.)

- 2 Use the **DOWN ARROW**, within the list boxes, to select the Start and Stop Dates of the MAH Report that you want to view on-screen or print.

Note: Clicking on the **DOWN ARROW** on the Start and Stop Date list boxes displays a calendar. You can use the scroll arrows in the upper corners of the calendar to display a different month, and then click on a date to select it and close the calendar. Clicking inside the Start/Stop Time list boxes provides selections.

Keyboard Shortcut: Use **TAB** to move among the different areas of the dialog box.

- 3 In the Print by area, select to print by Patient or Ward.

Note: If you choose to print the report by Patient, go to step 6.

Note: If you choose to print the report by Ward, make your selection from the Ward list box provided.

Keyboard Shortcut: Use the **DOWN ARROW** to select the Ward, and then select a ward location from the drop-down list box.

- 4 To include Inactive Wards, click inside the check box to deselect the default “Exclude Inactive Wards”.
- 5 Select Sort by Patient (default), Sort by Room-Bed, or Print Selected Patients on Ward.

Note: If you choose to print selected patients, you must click **SELECT PATIENTS** and then select the patients you want to preview or print, then click **OK**.

- 6 Perform one of the following actions:
 - Click **PREVIEW** to display the report on-screen.
 - Click **PRINT** to display the Printer dialog box.
 - Click **CANCEL** to return to the patient’s VDL.

Keyboard Shortcut: Use **TAB** to move among the **PREVIEW**, **PRINT** and **CANCEL** buttons.

- 7 Perform one or more of the following actions, then click **OK**:
 - Select a printer from the drop-down list box that you want to use for outputting the MAH Report.

Viewing and Printing BCMA Reports

Viewing/Printing an MAH Report (cont.)



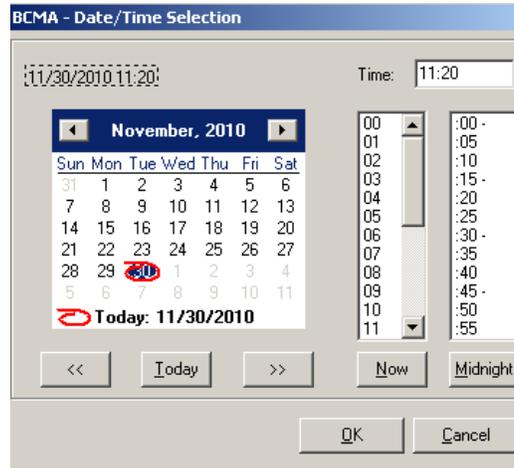
TIP:

You can print this report, after a patient has been discharged, using CHUI BCMA.

To view/print an MAH Report (cont.)

- Check the Queuing check box and enter the Date and Time you want the report to print. Click the down arrow in the drop-down list box to display a choice of dates and times.

Example: Date/Time Selection for Print Queuing



Note: The printer that you select becomes the “default” printer for *all* reports printed from BCMA.

Note: If you select dates that do not have applicable data, the MAH Report will appear “empty” when displayed on-screen or printed.

Note: For orders containing Special Instructions/Other Print Info, if Special Instructions/Other Print Info flow to another page, a blank line and the message “***CONTINUED ON NEXT PAGE***” will be printed before the page break, only if printing to an external printer. The message “***CONTINUED FROM PREVIOUS PAGE***” and a blank line will be printed on the subsequent page after the page headers, only if printing to an external printer.

Viewing and Printing BCMA Reports

Viewing/Printing an MAH Report (cont.)

To view/print an MAH Report (cont.)

Example: MAH Report by Patient

Continuing/PBN/Stat/One Time Medication/Treatment Record (VAF 10-2970 B, C, D) Run Date: JAN 20, 2012@13:24
Page: 1

Patient: BCPATIENT_TWO SSN: 000-00-0202 DOB: MAY 16,1970 (41)
 Sex: FEMALE Rr/Wc: */* Ward: GENERAL MED Pn GENMED-2
 Dx: LUNG CANCER Last Mvmt: OCT 12,2010@08:53:40 Type: ADMISSION

ADPs: No ADPs on file.
 Allergies: No Allergy Assessment

Start Date and Time	Stop Date and Time	Admin Times	01/14/2012	01/15/2012	01/16/2012	01/17/2012	01/18/2012	01/19/2012	01/20/2012
01/18/2012 01:07	01/25/2012 01:07	0100							
		0500							
		0900							
		1300							
		1700							
		2100							
			***	***	***	***	***		

Continuing/PBN/Stat/One Time Medication/Treatment Record (VAF 10-2970 B, C, D) Run Date: JAN 20, 2012@13:24
Page: 2

Patient: BCPATIENT_TWO SSN: 000-00-0202 DOB: MAY 16,1970 (41)
 Sex: FEMALE Rr/Wc: */* Ward: GENERAL MED Pn GENMED-2
 Dx: LUNG CANCER Last Mvmt: OCT 12,2010@08:53:40 Type: ADMISSION

ADPs: No ADPs on file.
 Allergies: No Allergy Assessment

Start Date and Time	Stop Date and Time	Action Status	Action Date/Times	PBN Reason
01/18/2012 01:39	02/01/2012 01:39			

Special Instructions:
 For low magnesium***Magnesium <2.4 give 11gm; Mag <2.2 give 2gm; mag < 2 give 3 gm; Mag < 1.8 give 2 x 2gm** Then Recheck Magnesium

Continuing/PBN/Stat/One Time Medication/Treatment Record (VAF 10-2970 B, C, D) Run Date: JAN 20, 2012@13:24
Page: 3

Patient: BCPATIENT_TWO SSN: 000-00-0202 DOB: MAY 16,1970 (41)
 Sex: FEMALE Rr/Wc: */* Ward: GENERAL MED Pn GENMED-2
 Dx: LUNG CANCER Last Mvmt: OCT 12,2010@08:53:40 Type: ADMISSION

ADPs: No ADPs on file.

Report 1 of 1

Viewing and Printing BCMA Reports

Viewing/Printing a Missed Medications Report

BCMA V. 3.0 lets you print a Missed Medications Report (or Missed Meds Report), for Continuous and One-Time Unit Dose and IV Piggyback medications that were not administered to a patient during a medication pass.

A Missed Medications Report includes patient demographic data, allergies and ADR information, plus detailed information about the order, such as the medication type; the administration date and time; and the order number. The report also includes a “Ver” column containing the initials of the nurse who verified the order or three asterisks (***) indicating the order was not nurse verified.

Users can specify a Start and Stop Date/Time for the report, defaulting to a 24-hour period but with a maximum limit based on a CPRS site parameter. The following items can also be included in the report:

- Active, On Hold, DC'd, and Expired orders
- Held and Refused administrations and missing doses
- Comments/ reasons

Note: The Held, Refused and Comments/Reasons checkboxes will automatically be selected as a default when the report dialog initially displays. These settings will always be in effect when the report is executed. The Comments/Reasons checkbox will be selected regardless of parameter settings for Reports-Include Comments. Upon display of the dialog, you will be able to uncheck these checkboxes if desired.

Note: Self-medications do not display on the Missed Medications Report.

To view/print a Missed Medications Report

- 1 Select the Missed Medications command from the Reports menu. The Patient Missed Medications dialog box displays.

Keyboard Shortcut: Press **ALT+R** to display the Reports menu, and then press **M** to display the Patient Missed Medications dialog box.

Viewing and Printing BCMA Reports

Viewing/Printing a Missed Medications Report (cont.)

To view/print a Missed Medications Report (cont.)

Example: Patient Missed Medications Dialog Box

Patient Missed Medications

Missed Medications

Start Date: 5/10/2011 Stop Date: 5/10/2011

Start Time: 0001 Stop Time: 2400

Include Order Status:
 Active DC'd Expired

Include Admin Status:
 Missing Dose Held Refused

Include Detail:
 Comments/Reasons

Print by:
 Patient Ward Exclude Inactive Wards

Print by Ward Options:
 Sort by Patient
 Sort by Room-Bed
 Print Selected Patients on Ward - No Patients Selected

Viewing and Printing BCMA Reports

Viewing/Printing a Missed Medications Report (cont.)



TIP:

You can type the information in the list boxes, or use the drop-down arrows to make your selection.



TIP:

See the section “Viewing/Printing a Due List Report” to see how a Ward Report by Room-Bed looks when printed.

To view/print a Missed Medications Report (cont.)

- 2 Use the **DOWN ARROW**, within the list boxes, to select the Start and Stop Dates, and Start and Stop Times for the Missed Medications Report that you want to view on-screen or print.

Note: Clicking on the **DOWN ARROW** on the Date for Report list box displays a calendar. You can use the scroll arrows in the upper corners of the calendar to display a different month, and then click on a date to select it and close the calendar. Clicking inside the Start/Stop Time list boxes provide selections.

Keyboard Shortcut: Use **TAB** to move among the different areas of the dialog box.

- 3 In the Include areas, select the order status, admin status, and/or comments you want to include on the report.

Note: Active orders with a status of Missing Dose are always included in this report.

- 4 In the Print by area, select to print by Patient or Ward.

Note: If you choose to print the report by Patient, go to step 7.

Note: If you choose to print the report by Ward, make your selection from the Ward list box provided.

Keyboard Shortcut: Use the **DOWN ARROW** to select the Ward, and then select a ward location from the drop-down list box.

- 5 To include Inactive Wards, click inside the check box to deselect the default “Exclude Inactive Wards”.
- 6 Select Sort by Patient (default), Sort by Room-Bed, or Print Selected Patients on Ward.

Note: If you choose to print selected patients, you must click **SELECT PATIENTS** and then select the patients you want to preview or print, then click **OK**.

- 7 Perform one of the following actions:
 - Click **PREVIEW** to display the report on-screen.
 - Click **PRINT** to display the Printer dialog box.
 - Click **CANCEL** to return to the patient’s VDL.

Viewing and Printing BCMA Reports

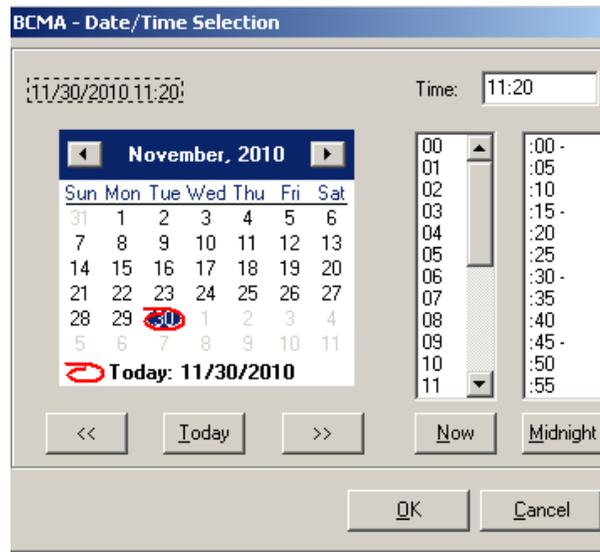
Viewing/Printing a Missed Medications Report (cont.)

To view/print a Missed Medications Report (cont.)

Keyboard Shortcut: Use **TAB** to move among the **PREVIEW**, **PRINT** and **CANCEL** buttons.

- 8 Perform one or more of the following actions, then click **OK**:
 - Select a printer from the drop-down list box that you want to use for outputting the Missed Medications Report.
 - Check the Queuing check box and enter the Date and Time you want the report to print. Click the **DOWN ARROW** in the drop-down list box to display a choice of dates and times.

Example: Date/Time Selection for Print Queuing



Note: The printer that you select becomes the “default” printer for *all* reports printed from BCMA.

Viewing and Printing BCMA Reports

Viewing/Printing a Missed Medications Report (cont.)

To view/print a Missed Medications Report (cont.)

Note: Medications placed “On Hold” or taken “Off Hold,” in CPRS or Inpatient Medications V. 5.0, display on the Missed Medications Report with the Hold information below the medication. The Hold information applies only to administrations due within the Hold timeframe. The “Order Num” column on the report lists the actual order number and order type (i.e., Unit Dose or IV). This information is quite helpful when troubleshooting problems with BCMA.

Example: Missed Medications Report by Patient

The screenshot shows a window titled "Patient Missed Medications" with the following content:

```

=====
MISSED MEDICATIONS REPORT for Mar 02, 2012@00:01 to Mar 02, 2012@24:00          Run Date: MAR 02, 2012@11:17
Order Status(es): Active / DC'd / Expired                                          Page: 1
Admin Status(es): Missing Dose / Held / Refused
Include Comments/Reasons

Patient:  BCMAPATIENT,TWELVE              SSN:    000-00-1212          DOB:    APR 16,1983 (28)
Sex:      FEMALE                          Ht/Wt:  +/+                Ward:   CARDIO Rm CARDIO-2
Dx:      ANGINA PECTORIS                  Last Mvmt: OCT 12,2010@17:46:22  Type:  ADMISSION

ADRs:    No ADRs on file.

Allergies: FENTANYL, MORPHINE
=====
Order Status  Ver  Administration Date/Time  Medication                                Order Stop Date
=====
Active        ***  03/02/2012@0100         ACYCLOVIR CAP,ORAL                       04/13/2012@1124
Active        ***  03/02/2012@0100         ALENDRONATE TAB                          06/22/2012@1635
Active        ***  03/02/2012@0100         GENTAMICIN INJ,SOLN                      04/21/2012@0018
Active        ***  03/02/2012@0100         GENTAMICIN INJ,SOLN                      08/24/2012@1059
Active        ***  03/02/2012@0100         HEPARIN *HIGH ALERT* INJ,SOLN           12/16/2012@2133
Active        ***  03/02/2012@0100         HYDRALAZINE *HIGH ALERT* TAB            07/16/2012@1322
Active        ***  03/02/2012@0100         HYDROCORTISONE LOTION, TOP              04/06/2012@1158
Active        ***  03/02/2012@0100         LORAZEPAM INTRAMUSCULAR/IV PUSH INJ    02/23/2013@1121

Active        ***  03/02/2012@0500         ACYCLOVIR CAP,ORAL                       04/13/2012@1124
Active        ***  03/02/2012@0500         ALENDRONATE TAB                          06/22/2012@1635
Active        ***  03/02/2012@0500         GENTAMICIN INJ,SOLN                      04/21/2012@0018
Active        ***  03/02/2012@0500         GENTAMICIN INJ,SOLN                      08/24/2012@1059
Active        ***  03/02/2012@0500         HEPARIN *HIGH ALERT* INJ,SOLN           12/16/2012@2133
Active        ***  03/02/2012@0500         HYDRALAZINE *HIGH ALERT* TAB            07/16/2012@1322
Active        ***  03/02/2012@0500         HYDROCORTISONE LOTION, TOP              04/06/2012@1158
Active        ***  03/02/2012@0500         LORAZEPAM INTRAMUSCULAR/IV PUSH INJ    02/23/2013@1121
Active        ***  03/02/2012@0900         HYDRALAZINE *HIGH ALERT* TAB            07/16/2012@1322
=====
Report 1 of 1
Print Next Cancel
  
```

Viewing and Printing BCMA Reports

Viewing/Printing a PRN Effectiveness List Report



TIP:

You can print this report, after a patient has been discharged, using CHUI BCMA.

You can view (and print) a PRN Effectiveness List Report using BCMA V. 3.0. This Report lists PRN medications administered to a patient that need Effectiveness comments. It also includes patient demographic data, allergies and ADR information; plus the PRN medication, administration date and time; and the individual(s) who administered the order.

To view/print a PRN Effectiveness Report

- 1 Select the PRN Effectiveness List command from the Reports menu. The PRN Effectiveness List dialog box displays.

Keyboard Shortcut: Press **ALT+R** to display the Reports menu, and then press **P** to display the PRN Effectiveness List dialog box.

Example: PRN Effectiveness List Dialog Box

- 2 Use the **DOWN ARROW**, within the list boxes, to select the Start and Stop Dates, and Start and Stop Times for the PRN Effectiveness List Report that you want to view on-screen or print.

Viewing and Printing BCMA Reports

Viewing/Printing a PRN Effectiveness List Report (cont.)



TIP:

You can type the information in the list boxes, or use the drop-down arrows to make your selection.



TIP:

See the section “Viewing/Printing a Due List Report” to see how a Ward Report by Room-Bed looks when printed.

To view/print a PRN Effectiveness List Report (cont.)

Note: Clicking on the **DOWN ARROW** on the Date for Report list box displays a calendar. You can use the scroll arrows in the upper corners of the calendar to display a different month, and then click on a date to select it and close the calendar. Clicking inside the Start/Stop Time list boxes provides selections.

Keyboard Shortcut: Use **TAB** to move among the different areas of the dialog box.

- 3 In the Print by area, select to print by Patient or Ward.

Note: If you choose to print the report by Patient, go to step 6.

Note: If you choose to print the report by Ward, make your selection from the Ward list box provided.

Keyboard Shortcut: Use the **DOWN ARROW** to select the Ward, and then select a ward location from the drop-down list box.

- 4 To include Inactive Wards, click inside the check box to deselect the default “Exclude Inactive Wards”.
- 5 Select Sort by Patient (default), Sort by Room-Bed, or Print Selected Patients on Ward.

Note: If you choose to print selected patients, you must click **SELECT PATIENTS** and then select the patients you want to preview or print, then click **OK**.

- 6 Perform one of the following actions:
 - Click **PREVIEW** to display the report on-screen.
 - Click **PRINT** to display the Printer dialog box.
 - Click **CANCEL** to return to the patient’s VDL.

Keyboard Shortcut: Use **TAB** to move among the **PREVIEW**, **PRINT** and **CANCEL** buttons.

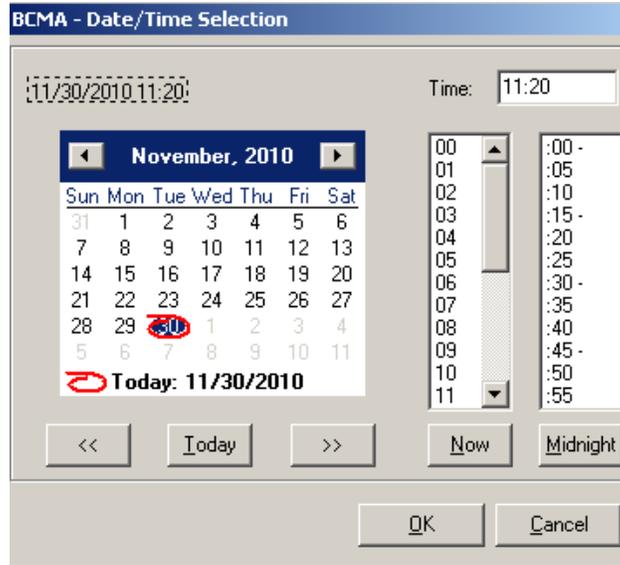
- 7 Perform one or more of the following actions, then click **OK**:
 - Select a printer from the drop-down list box that you want to use for outputting the PRN Effectiveness List Report.
 - Check the Queuing check box and enter the Date and Time you want the report to print. Click the down arrow in the drop-down list box to display a choice of dates and times.

Viewing and Printing BCMA Reports

Viewing/Printing a PRN Effectiveness List Report (cont.)

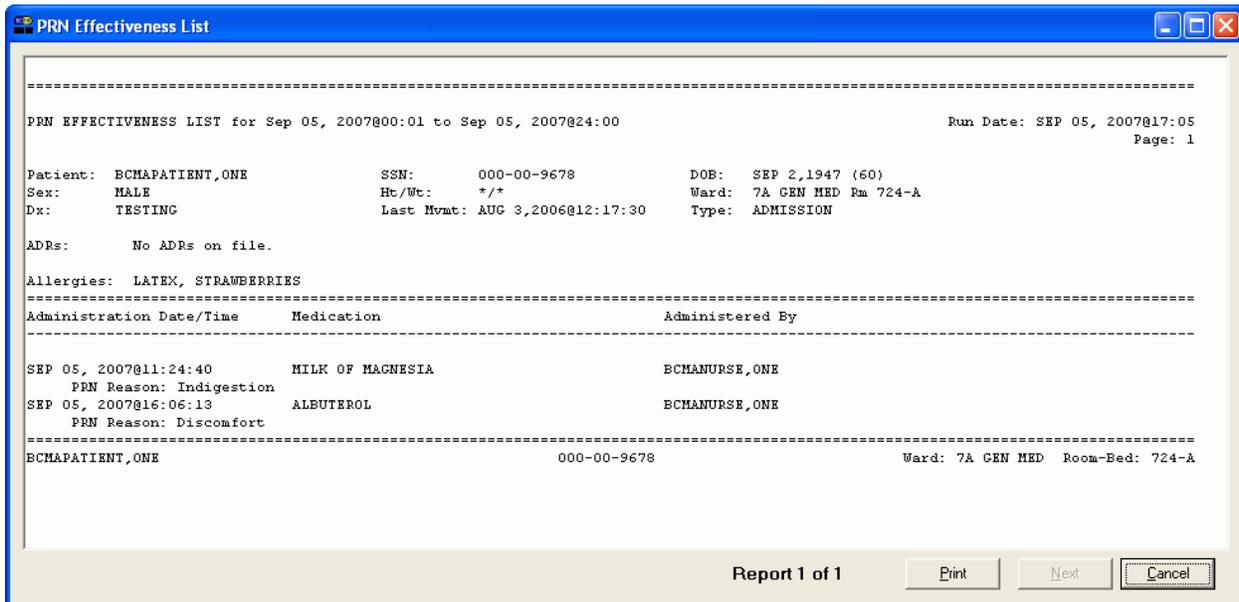
To view/print a PRN Effectiveness List Report (cont.)

Example: Date/Time Selection for Print Queuing



Note: The printer that you select becomes the “default” printer for *all* reports printed from BCMA.

Example: PRN Effectiveness List Report by Patient



Viewing and Printing BCMA Reports

Viewing/Printing an Administration Times Report

You can print, and still view on-screen, an Administration Times Report. This report lists a patient's medications by the scheduled administration time (from the earliest to the latest).

The Administration Times Report includes patient demographic data, allergies and ADR information, plus detailed information about the order, such as the medication type, dose, route, and the administration time.

To view/print an Administration Times Report

- 1 Select the Administration Times command from the Reports menu. The Patient Ward Administration Times dialog box displays.

Keyboard Shortcut: Press **ALT+R** to display the Reports menu, and then press **A** to display the Patient Ward Administration Times dialog box.

Example: Patient Ward Administration Times Dialog Box

The screenshot shows the 'Patient Ward Administration Times' dialog box. It features a title bar with the text 'Patient Ward Administration Times' and a close button (X). The main area is divided into several sections. At the top, there are two date pickers: 'Start Date' and 'Stop Date', both set to '11/30/2010'. Below these is a 'Print by' section with two radio buttons: 'Patient' (selected) and 'Ward'. To the right of the 'Ward' radio button is a dropdown menu. Further right is a checked checkbox labeled 'Exclude Inactive Wards'. Below this is a 'Print by Ward Options' section with three radio buttons: 'Sort by Patient', 'Sort by Room-Bed', and 'Print Selected Patients on Ward - No Patients Selected'. To the right of these options is a 'Select Patients' button. At the bottom of the dialog are three buttons: 'Preview', 'Print', and 'Cancel'.

Viewing and Printing BCMA Reports

Viewing/Printing an Administration Times Report (cont.)



TIP:

You can type the information in the list boxes, or use the drop-down arrows to make your selection.



TIP:

See the section “Viewing/Printing a Due List Report” to see how a Ward Report by Room-Bed looks when printed.

To view/print an Administration Times Report (cont.)

- 2 Use the **DOWN ARROW**, within the list box, to select the Start and Stop Dates of the Administration Times Report that you want to view on-screen or print.

Note: Clicking on the **DOWN ARROW** on the Date for Report list box displays a calendar. You can use the scroll arrows in the upper corners of the calendar to display a different month, and then click on a date to select it and close the calendar.

Keyboard Shortcut: Use **TAB** to move among the different areas of the dialog box.

- 3 In the Print by area, select to print by Patient or Ward.

Note: If you choose to print the report by Patient, go to step 6.

Note: If you choose to print the report by Ward, make your selection from the Ward list box provided.

Keyboard Shortcut: Use the **DOWN ARROW** to select the Ward, and then select a ward location from the drop-down list box.

- 4 To include Inactive Wards, click inside the check box to deselect the default “Exclude Inactive Wards”.
- 5 Select Sort by Patient (default), Sort by Room-Bed, or Print Selected Patients on Ward.

Note: If you choose to print selected patients, you must click **SELECT PATIENTS** and then select the patients you want to preview or print, then click **OK**.

- 6 Perform one of the following actions:
 - Click **PREVIEW** to display the report on-screen.
 - Click **PRINT** to display the Printer dialog box.
 - Click **CANCEL** to return to the patient’s VDL.

Keyboard Shortcut: Use **TAB** to move among the **PREVIEW**, **PRINT** and **CANCEL** buttons.

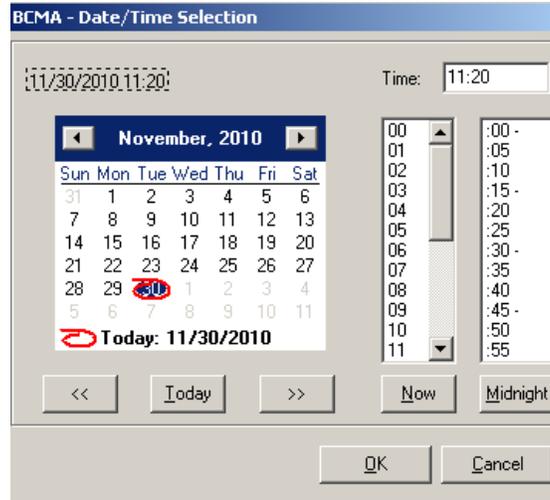
- 7 Perform one or more of the following actions, then click **OK**:
 - Select a printer from the drop-down list box that you want to use for outputting the Administration Times Report.
 - Check the Queuing check box and enter the Date and Time you want the report to print. Click the **DOWN ARROW** in the drop-down list box to display a choice of dates and times.

Viewing and Printing BCMA Reports

Viewing/Printing an Administration Times Report (cont.)

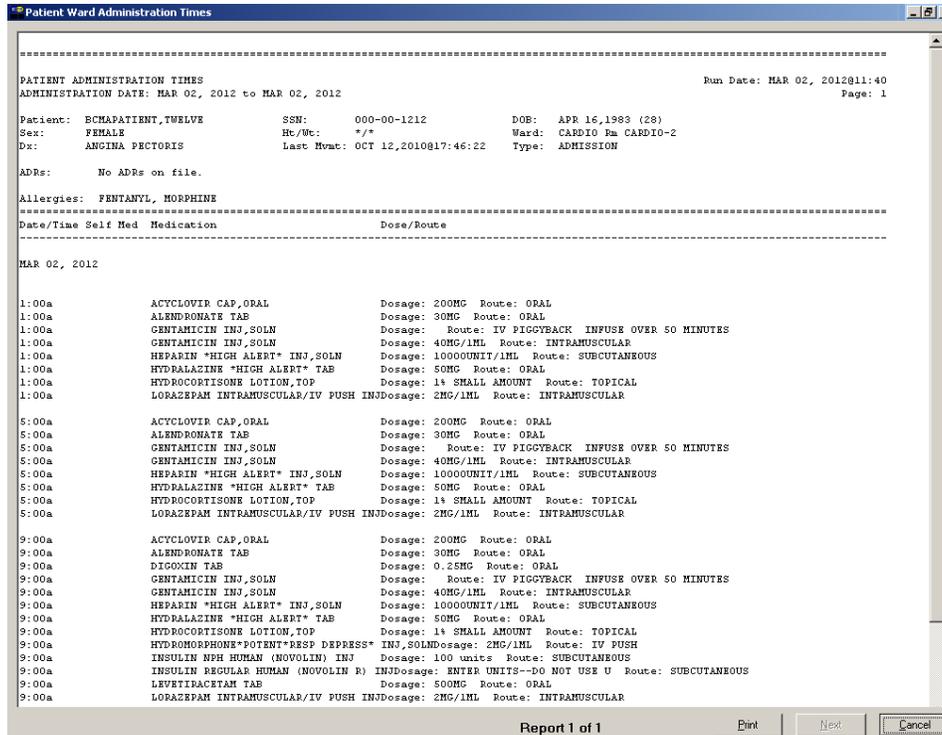
To view/print an Administration Times Report (cont.)

Example: Date/Time Selection for Print Queuing



Note: The printer that you select becomes the “default” printer for *all* reports printed from BCMA.

Example: Administration Times Report by Patient



Viewing and Printing BCMA Reports

Viewing/Printing a Medication History Report



TIP:

Right click on a medication displayed on the VDL, and then select the Med History command in the Right Click drop-down menu to display the Medication History dialog box.

BCMA provides two ways to access a patient's Medication History Report (or Med History Report). They include the Med History command in the Due List menu and in the Right Click drop-down menu.

This Report lists the administration date and time, and orderable item of a medication selected on the BCMA VDL. It also includes the medication status, schedule type, and dose; room location; and initials of the clinician who administered the medication.

Note: A Medication History Report is called an "Administration History Report" in CPRS. You can access it by selecting the Meds Tab in CPRS, and then right clicking on a medication.

To view/print a Medication History Report

- 1 Select the Med History command from the Due List menu. The Medication History dialog box displays.

Keyboard Shortcut: Press **ALT+D** to display the Due List menu, and then press **E** to display the Medication History dialog box.

Example: Medication History Dialog Box

Medication History

Start Date: 6/24/2010 Stop Date: 9/21/2010

Include Detail:
 Comments

Print by:
 Patient
 Ward [Dropdown] Exclude Inactive Wards

Print by Ward Options:
 Sort by Patient
 Sort by Room-Bed
 Print Selected Patients on Ward - No Patients Selected [Select Patients]

Preview Print Cancel

Viewing and Printing BCMA Reports

Viewing/Printing a Medication History Report (cont.)

To view/print a Medication History Report (cont.)

- 2 Use the **DOWN ARROW**, within the list box, to select the Start and Stop Dates of the Medication History Report that you want to view on-screen or print.

Note: Clicking on the **DOWN ARROW** on the Date for Report list box displays a calendar. You can use the scroll arrows in the upper corners of the calendar to display a different month, and then click on a date to select it and close the calendar.

Keyboard Shortcut: Use **TAB** to move among the different areas of the dialog box.

- 3 In the Include Detail area, select the check box to include/exclude comments on the report.
- 4 Perform one of the following actions:
 - Click **PREVIEW** to display the report on-screen.
 - Click **PRINT** to display the Printer dialog box.
 - Click **CANCEL** to return to the patient's VDL.

Keyboard Shortcut: Use **TAB** to move among the **PREVIEW**, **PRINT** and **CANCEL** buttons.

- 5 Select a printer from the drop-down list box that you want to use for outputting the Medication History Report for the medication selected on the BCMA VDL. Then click **OK**.

Note: The printer that you select becomes the “default” printer for *all* reports printed from BCMA.

Viewing and Printing BCMA Reports

Viewing/Printing a Medication History Report (cont.)

To view/print a Medication History Report (cont.)

Example: Medication History Report

The screenshot shows a window titled "Medication History" with the following content:

=====

MEDICATION HISTORY for AUG 07, 2007 to SEP 05, 2007 Run Date: SEP 05, 2007@17:09

MEDICATIONS SEARCH LIST: FLUORESCHEIN Page: 1

Patient: BCMAPATIENT,ONE SSN: 000-00-9678 DOB: SEP 2,1947 (60)
 Sex: MALE Ht/Wt: */* Ward: 7A GEN MED Rm 724-A
 Dx: TESTING Last Mvmt: AUG 3,2006@12:17:30 Type: ADMISSION

ADRs: No ADRs on file.

Allergies: LATEX, STRAWBERRIES

Location	St	Sch	Administration Date	By	Injection Site Medication & Dosage	Units GIVEN	Units of Administration
7A GEN MED 724-A	G	C	SEP 05, 2007@16:05	OB	FLUORESCHEIN 2% OPHT SOL	1	2 drops
7A GEN MED 724-A	G	C	SEP 05, 2007@09:38	OB	FLUORESCHEIN 2% OPHT SOL	1	2 drops
Comments: ----- SEP 05, 2007@09:38:08 OB Patient sleeping							
7A GEN MED 724-A	G	C	AUG 29, 2007@13:54	OB	FLUORESCHEIN 2% OPHT SOL	1	2 drops
Comments: ----- AUG 29, 2007@13:37:15 MN Patient was sleeping AUG 29, 2007@13:41:47 MN Undo Given: AUG 29, 2007@13:54:20 OB Patient was sleeping.							

=====

BCMAPATIENT,ONE 000-00-9678 Ward: 7A GEN MED Room-Bed: 724-A

Report 1 of 1

Viewing and Printing BCMA Reports

Viewing/Printing a Medication Variance Log Report



TIP:

A variance preceded by a minus sign (such as -24), indicates the number of minutes that a medication was given *before* the administration time.



TIP:

The Medication Variance Log dialog box “defaults” include today’s date listed, and the Patient report selected for printing.

With GUI BCMA, you can print the Medication Variance Log Report by patient or by ward, using the Medication Variance Log in the Reports menu.

This Report lists “event” information within a selected date range, such as the type and number of events (i.e., Early/Late/PRN), and the total percentage of events that occurred. It also includes the medication type, date/time of the variance, and the initials of and comments by the clinician who administered the medication.

To view/print a Medication Variance Log Report

- 1 Select the Medication Variance Log command from the Reports menu. The Medication Variance Log dialog box displays.

Keyboard Shortcut: Press **ALT+R** to display the Reports menu, and then press **E** to display the Medication Variance Log dialog box.

Example: Medication Variance Log Dialog Box

Medication Variance Log

Medication Variance

Start Date: 9/21/2010 Stop Date: 9/21/2010

Start Time: 0001 Stop Time: 2400

Print by

Patient

Ward [dropdown]

Exclude Inactive Wards

Print by Ward Options

Sort by Patient

Sort by Room-Bed

Print Selected Patients on Ward - No Patients Selected [Select Patients]

Preview Print Cancel

Viewing and Printing BCMA Reports

Viewing/Printing a Medication Variance Log Report (cont.)



TIP:

You can type the information in the list boxes, or use the drop-down arrows to make your selection.

To view/print a Medication Variance Log Report (cont.)

- 2 Use the **DOWN ARROW**, within the list boxes, to select the Start and Stop Dates and Times of the Medication Variance Log Report that you want to view on-screen or print.

Note: Clicking on the **DOWN ARROW** on the Start/Stop Date list boxes displays a calendar. You can use the scroll arrows in the upper corners of the calendar to display a different month, and then click on a date to select it and close the calendar. Clicking inside the Start/Stop Time list boxes provides selections.

Keyboard Shortcut: Use **TAB** to move among the different areas of the dialog box.

- 3 In the Print by area, select to print by Patient or Ward.

Note: If you choose to print the report by Patient, go to step 6.

Note: If you choose to print the report by Ward, make your selection from the Ward list box provided.

Keyboard Shortcut: Use the **DOWN ARROW** to select the Ward, and then select a ward location from the drop-down list box.

- 4 To include Inactive Wards, click inside the check box to deselect the default “Exclude Inactive Wards”.
- 5 Select Sort by Patient (default), Sort by Room-Bed, or Print Selected Patients on Ward.

Note: If you choose to print selected patients, click **SELECT PATIENTS** and then select the patients’ orders you want to preview or print.

- 6 Perform one of the following actions:
 - Click **PREVIEW** to display the report on-screen.
 - Click **PRINT** to display the Printer dialog box.
 - Click **CANCEL** to return to the patient’s VDL.

Keyboard Shortcut: Use **TAB** to move among the **PREVIEW**, **PRINT** and **CANCEL** buttons.

- 7 Perform one or more of the following actions, then click **OK**:
 - Select a printer from the drop-down list box that you want to use for outputting the Medication Variance Log Report.
 - Check the Queuing check box and enter the Date and Time you want the report to print. Click the down arrow in the drop-down list box to display a choice of dates and times.

Viewing and Printing BCMA Reports

Viewing/Printing a Medication Variance Log Report (cont.)

To view/print a Medication Variance Log Report (cont.)

Note: The printer that you select becomes the “default” printer for *all* reports printed from BCMA.

Example: Medication Variance Log Report by Patient

Medication Variance Log

Run Date: SEP 05, 2007@17:11
Page: 1

Patient: BCMAPATIENT, ONE SSM: 000-00-9678 DOB: SEP 2, 1947 (60)
Sex: MALE Ht/Wt: */* Ward: 7A GEN MED Rm 724-A
Dx: TESTING Last Mvmt: AUG 3, 2006@12:17:30 Type: ADMISSION

ADRs: No ADRs on file.

Allergies: LATEX, STRAWBERRIES

Event Date/Time	Event	Var	Medication
SEP 05, 2007@09:38:08	EARLY/LATE DOSE	218	FLUORESCHEIN
	Ward:	7A GEN MED 724-A	
	Comments:	09/05/07 09:38	By: OB Patient sleeping
SEP 05, 2007@09:38:44	EARLY/LATE DOSE	9938	NICOTINE
	Ward:	7A GEN MED 724-A	
	Comments:	08/29/07 13:58	By: OB Patient went outside to smoke.
SEP 05, 2007@15:28:43	EARLY/LATE DOSE	148	AMPICILLIN
	Ward:	7A GEN MED 724-A	
	Comments:	09/05/07 15:28	By: OB Pt off ward
SEP 05, 2007@16:09:38	EARLY/LATE DOSE	89	PENICILLIN
	Ward:	7A GEN MED 724-A	
	Comments:	09/05/07 16:09	By: OB Patient off ward

Total Number of Events for the reporting period is: 4.
Total number of EARLY/LATE DOSE events is 4.
Percentage of Total Events: 100%

BCMAPATIENT, ONE 000-00-9678 Ward: 7A GEN MED Room-Bed: 724-A

Report 1 of 1 Print Next Cancel

Viewing and Printing BCMA Reports

Viewing/Printing a Cumulative Vitals/Measurement Report



TIP:

The Vitals Cumulative dialog box "defaults" include today's date listed, and the Patient report selected for printing. The Ward Radio button is disabled for this report.

BCMA lets you view/print the Cumulative Vitals/Measurement Report, which lists a patient's vitals from the Vitals package, along with their demographics and hospital location information. You can print the report using the Vitals Cumulative command from the Reports menu.

To view/print a Cumulative Vitals/Measurement Report

- 1 Select the Vitals Cumulative command from the Reports menu. The Vitals Cumulative dialog box displays.

Keyboard Shortcut: Press **ALT+R** to display the Reports menu, and then press **V** to display the Vitals Cumulative dialog box.

Example: Vitals Cumulative Dialog Box

Vitals Cumulative

Start Date: 9/21/2010 Stop Date: 9/21/2010

Print by:
 Patient
 Ward

Exclude Inactive Wards

Print by Ward Options:
 Sort by Patient
 Sort by Room-Bed
 Print Selected Patients on Ward - No Patients Selected

Select Patients

Preview Print Cancel

Viewing and Printing BCMA Reports

Viewing/Printing a Cumulative Vitals/Measurement Report (cont.)



TIP:

You can type the information in the list boxes, or use the drop-down arrows to make your selection.

To view/print a Cumulative Vitals/Measurement Report (cont.)

- 2 Use the **DOWN ARROW**, within the list boxes, to select the Start and Stop Date of the Cumulative Vitals/Measurement Report that you want to view on-screen or print.

Note: Clicking on the **DOWN ARROW** on the Start/Stop Date list boxes displays a calendar. You can use the scroll arrows in the upper corners of the calendar to display a different month, and then click on a date to select it and close the calendar.

Keyboard Shortcut: Use **TAB** to move among the different areas of the dialog box.

- 3 Perform one of the following actions:
 - Click **PREVIEW** to display the report on-screen.
 - Click **PRINT** to display the Printer dialog box.
 - Click **CANCEL** to return to the patient's VDL.

Keyboard Shortcut: Use **TAB** to move among the **PREVIEW**, **PRINT** and **CANCEL** buttons.

- 4 Perform one or more of the following actions, then click **OK**:
 - Select a printer from the drop-down list box that you want to use for outputting the report.
 - Check the Queuing check box and enter the Date and Time you want the report to print. Click the **DOWN ARROW** in the drop-down list box to display a choice of dates and times.

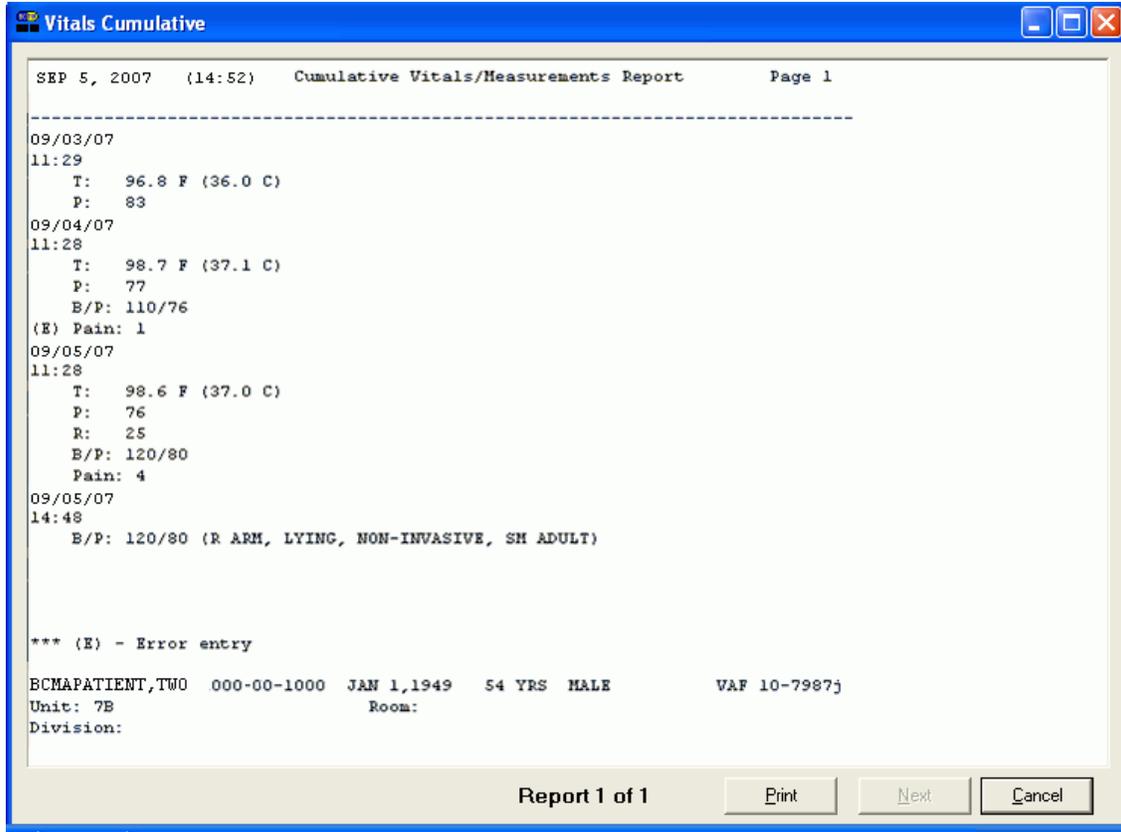
Note: The printer that you select becomes the “default” printer for *all* reports printed from BCMA.

Viewing and Printing BCMA Reports

Viewing/Printing a Cumulative Vitals/Measurement Report (cont.)

To view/print a Cumulative Vitals/Measurement Report (cont.)

Example: Cumulative Vitals/Measurement Report



Viewing and Printing BCMA Reports

Viewing/Printing the Patient Record Flag Report



TIP:

For more information on PRFs, see the "Patient Record Flags User Guide" in the Admission Discharge Transfer (ADT) section of the VistA Documentation Library.

The Patient Record Flag report displays all active PRF assignments associated with the patient. Applicable National (Category I) and Local (Category II) flag types are displayed. When the **FLAG** button is enabled on the tool bar, it signifies that the current patient on the VDL has one or more active Patient Record Flags (PRFs). The PRF alerts VHA employees to patients whose behavior or characteristics may pose a threat either to their safety, the safety of other patients, or compromise the delivery of quality health care.

There are two ways to access the Patient Record Flag Report:

- **From the VDL:** Click the flag button (displayed in RED) on the tool bar to view and print the Patient Record Flag Report. A Patient Flag option is also available on the View menu.
- **During the patient look-up process:** Click the **DETAILS** button on the the Patient Confirmation dialog box.

Note: If any active PRFs exist for a patient, it is strongly recommended that you run the Patient Record Flag report to view the active patient record flag details, especially for behavioral flags, to view information which may be critical to patient and employee safety.

In addition to patient demographic data, the following information is displayed on the Patient Record Flag Report:

- **Flag Name:** The nationally or locally assigned name of patient record flag.
- **Flag Type:** Identifies the usage classification of the Patient Record Flag, e.g., BEHAVIORAL, CLINICAL, OTHER, RESEARCH.
- **Flag Category:** Category I Behavioral National PRFs are nationally approved and are to be used by all facilities. Category II Local PRFs may be locally established by individual Veterans Integrated Service Networks (VISNs) or facilities.
- **Assignment Status:** Active or Inactive; only Active PRFs display on the PRF Report.
- **Initial Assigned Date:** The date the PRF was initially assigned to the patient.
- **Approved by:** The provider who approved the assignment.
- **Next Review Date:** The date that the flag assignment is due for review to determine continuing appropriateness.

Viewing and Printing BCMA Reports

Viewing/Printing the Patient Record Flag Report (cont.)



TIP:

The Patient Record Flag Report can also be accessed by clicking the Details button in the Patient Confirmation Dialog box.

- **Owner Site:** The current site that owns this patient flag assignment. Patient assignments may only be edited by the owner site. The owner site normally corresponds to the site providing primary care to the patient.
- **Originating Site:** The site that initially assigned the patient record flag to this patient. The site that assigns the flag is not required to be the owner of the assignment.
- **Assignment Narratives:** Description of the incident or reason that generated the need for this patient record flag assignment. The description is followed by recommended actions that should be performed by a person working with this specific patient.

To view/print a Patient Record Flag Report

- 1 Click the **FLAG** button (displayed in **RED**) on the tool bar to view the Patient Record Flag Report on-screen. The Patient Record Flag Report displays only active PRF assignments associated with the current patient record.

Note: If the **FLAG** button is disabled, there are no active PRFs for this patient.

Keyboard Shortcut: Press **CTRL+F** to display the Patient Record Flag report.

- 2 Perform one of the following actions:
 - Click **PREVIEW** to display the report on-screen.
 - Click **PRINT** to display the Printer dialog box.
 - Click **CANCEL** to return to the patient's VDL.

Keyboard Shortcut: Use **TAB** to move among the **PREVIEW**, **PRINT** and **CANCEL** buttons.

- 3 Perform one or more of the following actions, then click **OK**:
 - Select a printer from the drop-down list box that you want to use for outputting the Patient Record Flag Report.
 - Check the Queuing check box and enter the Date and Time you want the report to print. Click the **DOWN ARROW** in the drop-down list box to display a choice of dates and times.

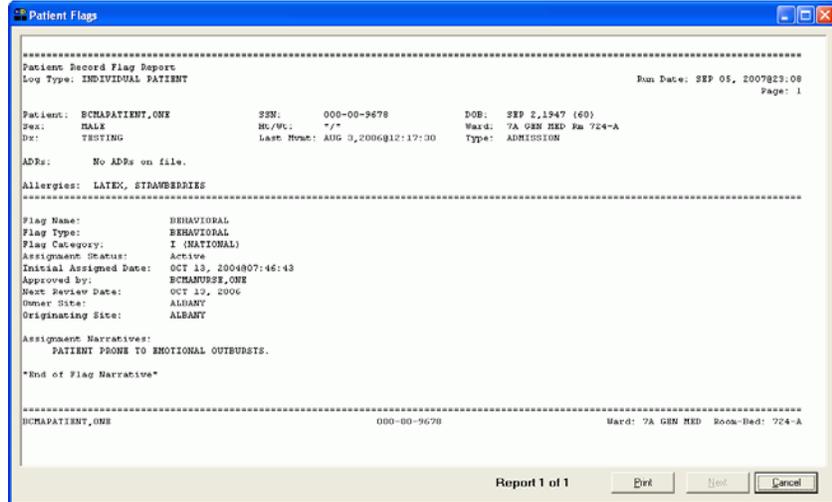
Viewing and Printing BCMA Reports

Viewing/Printing the Patient Record Flag Report (cont.)

To view/print a Patient Record Flag Report (cont.)

Note: The printer that you select becomes the “default” printer for *all* reports printed from BCMA.

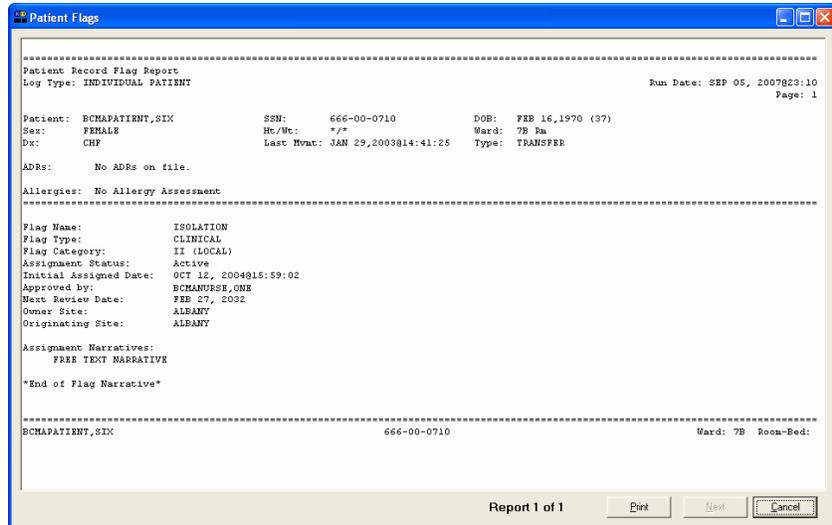
Example: PRF Report (National)



The screenshot shows a window titled "Patient Flags" displaying a Patient Record Flag Report for a national patient. The report includes patient demographics, allergies, and flag details.

```
-----  
Patient Record Flag Report  
Log Type: INDIVIDUAL PATIENT  
Run Date: SEP 05, 2007@23:08  
Page: 1  
-----  
Patient: BCHAPATIENT,ONE          SSM: 000-00-9678          DOB: SEP 2,1947 (60)  
Sex:  MALE                        Ht/Wt:  "/> 
```

Example: PRF Report (Local)



The screenshot shows a window titled "Patient Flags" displaying a Patient Record Flag Report for a local patient. The report includes patient demographics, allergies, and flag details.

```
-----  
Patient Record Flag Report  
Log Type: INDIVIDUAL PATIENT  
Run Date: SEP 05, 2007@23:10  
Page: 1  
-----  
Patient: BCHAPATIENT,SIX          SSM: 666-00-0710          DOB: FEB 16,1970 (37)  
Sex:  FEMALE                       Ht/Wt:  "/> 
```

Viewing and Printing BCMA Reports

Viewing/Printing an Unknown Actions Report

You can use the Unknown Actions Report to print a listing of administrations that have an unknown action status within a specified date range. When a user is in the process of documenting an administration in BCMA CHUI *Manual Medication Entry*, the administration status initially defaults to blank (null). If the order is not completed with a valid administration status, the Admin Status will be listed as unknown, and appear on the Unknown Actions Report.

The unknown (null) status can occur during *Manual Medication Entry* when the user's network connection is broken, their terminal emulator software malfunctions, or if the user improperly exits out of the application.

Use the BCMA GUI Edit Med Log to correct the administration status of any entries found on this report.

Note: This report is only accessible to users with the PSB MANAGER security key.

The Unknown Actions Report includes information about the administration with the Unknown status, including patient name and ID, ward/bed, the order number, orderable item, schedule and scheduled administration time, who created the order, and the time the order was created.

To view/print an Unknown Actions Report

- 1 Select the Unknown Actions command from the Reports menu. The Unknown Actions dialog box displays.

Keyboard Shortcut: Press **ALT+R** to display the Reports menu, and then press **U** to display the Unknown Actions dialog box.

Viewing and Printing BCMA Reports

Viewing/Printing an Unknown Actions Report (cont.)



TIP:

You can type the information in the list boxes, or use the drop-down arrows to make your selection.

To view/print an Unknown Actions Report (cont.)

Example: Unknown Actions Dialog Box

- 2 Use the **DOWN ARROW**, within the list boxes, to select the Start Date and Stop Date for the Unknown Actions Report that you want to view on-screen or print.

Note: Clicking on the **DOWN ARROW** on the Start Date and Stop Date list boxes displays a calendar. You can use the scroll arrows in the upper corners of the calendar to display a different month, and then click on a date to select it and close the calendar.

Keyboard Shortcut: Use **TAB** to move among the different areas of the dialog box.

- 3 Perform one of the following actions:
 - Click **PREVIEW** to display the report on-screen.
 - Click **PRINT** to display the Printer dialog box.
 - Click **CANCEL** to return to the patient's VDL.

Keyboard Shortcut: Use **TAB** to move among the **PREVIEW**, **PRINT** and **CANCEL** buttons.

- 4 Perform one or more of the following actions, then click **OK**:
 - Select a printer from the drop-down list box that you want to use for outputting the Unknown Actions Report.
 - Check the Queuing check box and enter the Date and Time you want the report to print. Click the down arrow in the drop-down list box to display a choice of dates and times.

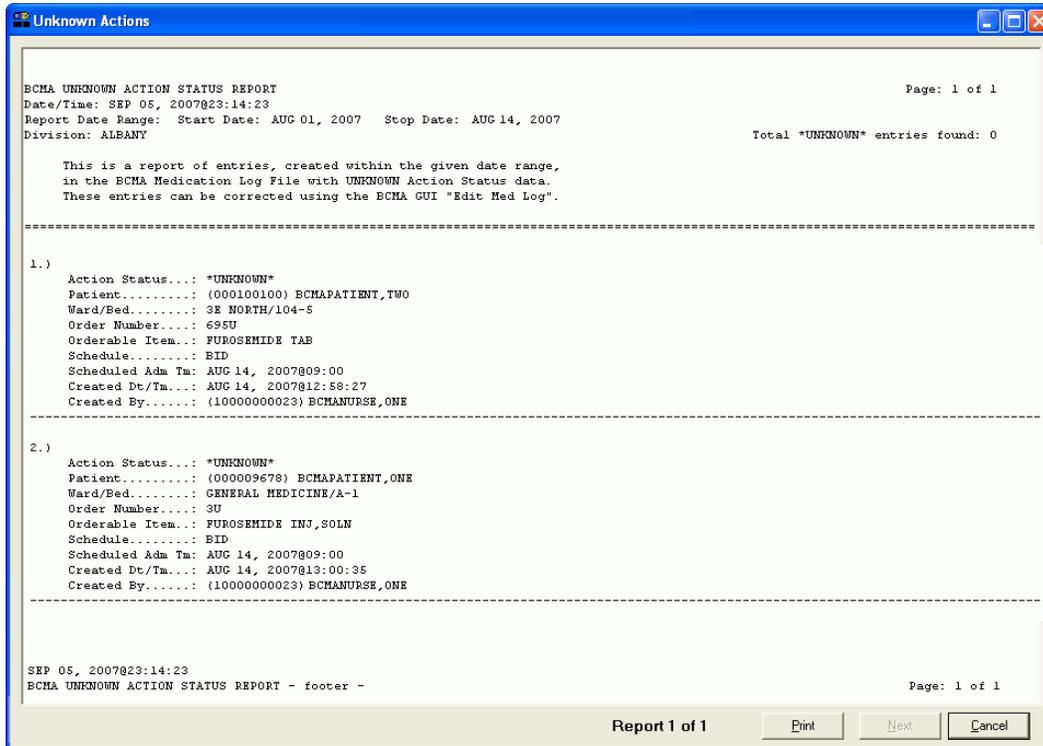
Viewing and Printing BCMA Reports

Viewing/Printing an Unknown Actions Report (cont.)

To view/print an Unknown Actions Report (cont.)

Note: The printer that you select becomes the “default” printer for *all* reports printed from BCMA.

Example: Unknown Actions Report



Viewing and Printing BCMA Reports

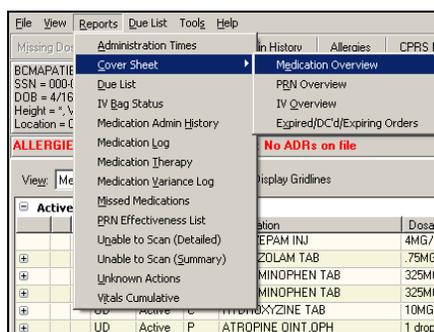
Viewing/Printing Cover Sheet Reports

Cover Sheet Reports can be accessed from the BCMA GUI Reports menu and then previewed and/or printed. They include the following reports:

- Medication Overview
- PRN Overview
- IV Overview
- Expired/DC'd/Expiring Orders

The Cover Sheet Reports mimic the Coversheet, which is patient based, so the reports are designed to be patient based as well, not ward based like the other reports. To print for a group of patients, you must select multiple patients. When selecting multiple patients, a single patient report is printed for each patient selected.

Example: Cover Sheet Reports Menu



To view/print a Cover Sheet Report

- 1 Select the Cover Sheet command from the Reports menu and then select the Cover Sheet Report you want to see.

Note: It is not necessary to display the Cover Sheet in order to run a Cover Sheet Report. Cover Sheet reports can be run from the Reports Menu at any time.

- 2 The appropriate report dialog box displays. Refer to the following sections for more information on each report dialog box.

Keyboard Shortcut: Press **ALT+R** to display the Reports menu, and then press **C** to display the Cover Sheet dialog box.

- Press **E** to display the Medication Overview dialog box.
- Press **R** to display the PRN Overview dialog box.
- Press **O** to display the IV Overview dialog box.
- Press **X** to display the Expired/DC'd/Expiring dialog box.

Viewing and Printing BCMA Reports

Viewing/Printing Cover Sheet– Medication Overview Report

The Cover Sheet–Medication Overview Report displays and groups active, expired or discontinued, and future orders for the current patient and by ward. The total number of orders per group displays in brackets next to each group heading. The Cover Sheet–Medication Overview Report can be accessed from the Reports menu and then previewed and/or printed.

The Cover Sheet–Medication Overview Report provides three levels of detail for each order displayed.

- 1) The top level displays order and next administration data, and includes the following header and information in the order listed below.
 - **VDL Tab:** the name of the tab within BCMA where administrations are displayed.
 - **Order Status:** the current status of the order (i.e., Active, Expired, Hold)
 - **Type:** the schedule type of the order (C for Continuous, O for One Time, OC for On Call, P for PRN)
 - **Medication; Dosage, Route:** the orderable item associated with the order; plus the dosage and route of the order separated by a comma
 - **Schedule:** the order schedule (i.e., Q2H, BID)
 - **Next Action:** one of the following:
 - **“DUE”** followed by the next scheduled administration time after the last action taken for active orders that have defined administration times in MM/DD/YYYY@HHMM format.
 - **“Missed”** followed by the next scheduled administration time after the last action taken if administration date/time exceeds the “After Scheduled Admin Time” site parameter in MM/DD/YYYY@HHMM format.
 - **“Provider Hold”** for active orders on provider hold
 - Blank for PRN, On Call, and One-Time orders
 - **Special Instructions:** special instructions associated with the order
 - **Order Start Date:** the order’s start date/time displayed in MM/DD/YYYY@HHMM format.

Viewing and Printing BCMA Reports

Viewing/Printing Cover Sheet—Medication Overview Report (cont.)

- **Order Stop Date:** the order’s stop date/time displayed in MM/DD/YYYY@HHMM format
- 2) The second level displays a maximum of four previous actions taken against this specific order, and includes the following header and information in the order listed below.

Note: Actions whose activity dates exceed the “Med History Days Back” site parameter will not be displayed.

- **Bag ID:** If the order is an IV order, then the Bag ID header and field displays, which is the unique identifier for the bag associated with this action.
- **Action By:** the initials of the person that performed the action, and the date/time of the action in MM/DD/YYYY@HHMM format
- **Action:** the status of the administration (i.e., Given, Held, Refused, Missing, etc.).
- If the order has a PRN schedule type, the following headers and fields will display:
 - **PRN Reason:** the PRN reason associated with the action
 - **PRN Effectiveness:** the PRN Effectiveness comment for this action

Example: Medication Overview Report

Medication Overview

BCMA GOVERNMENT MEDICATION OVERVIEW REPORT
Order Status(es): Future / Active / Expired / DC'd
Include Action(s) & Comments/Reasons
Run Date: SEP 05, 2007 02:45
Page: 1

Patient: SCHAPATIENT, ONE SSN: 000-00-9678 DOB: SEP 2, 1947 (60)
Sex: MALE Ht/Wt: 5'7" Ward: 7A GEN MED Rm 724-A
Di: TESTING Last Mvnt: AUG 3, 2006 @ 12:17:30 Type: ADMISSION

ADRs: No ADRs on file.

Allergies: LATEX, STRAWBERRIES
Total Orders reported: 19

UDL Tab	Order Status	Type	Medication; Dosage, Route	Schedule	Next Action	Order Start Date	Order Stop Date
ACTIVE (11 Orders)							
1	UD	On Hold	C (ACETAMINOPHEN/CODINE ELIXIR) ACETAMINOPHEN, CODINE ELIXIR (OZ) ; 1 TEASPOONFUL , ORAL	QCH	Provider Hold	09/5/2007 09:49	09/10/2007 09:45
2	UD	Active	P (ALBUTEROL AEROSOL) ALBUTEROL INHALER ; 1 puff , ORAL INHALATION	QCH PRN		08/29/2007 08:00	09/28/2007 08:42
ACTION BY: OB 09/5/2007 08:06 ACTION: GIVEN PRN REASON: Discomfort COMMENT BY: OB 09/5/2007 08:06 COMMENT: Pain Score of 1 entered into Vitals via BCMA at 09/05/2007 08:06							
Special Instructions: !As needed for wheezing							
3	IUPB	Active	C (AMPICILLIN IM) AMPICILLIN, DEXTROSE 5% IN WATER ; INFUSE OVER 30 MIN., IV PUSH	TID	MISSED 09/5/2007 08:00	09/5/2007 08:11	09/14/2007 08:40
BAG ID: 780V101 ACTION BY: OB 09/5/2007 08:20 ACTION: GIVEN COMMENT BY: OB 09/5/2007 08:20 COMMENT: Pt off ward							

Report 1 of 1 Print New Cancel

Viewing and Printing BCMA Reports

Viewing/Printing Cover Sheet–Medication Overview Report (cont.)

3) The third level displays comments associated with the action and includes the following header and information in the order listed below.

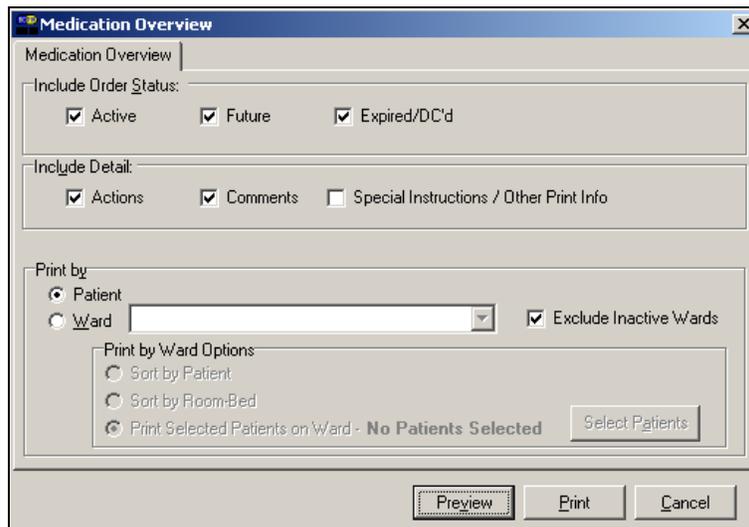
- **Comment By:** the initials of the person that entered the comment and the date/time the comment was entered in MM/DD/YYYY@HHMM format
- **Comment:** the text of the comment

To view/print a Cover Sheet Medication Overview Report

- 1 Select the Cover Sheet command from the Reports menu, and then select the Medication Overview report. The Medication Overview dialog box displays.

Keyboard Shortcut: Press **ALT+R** to display the Reports menu, and then press **C** to display the Cover Sheet reports. Press **E** to display the Medication Overview dialog box.

Example: Cover Sheet Medication Overview Dialog Box



- 2 In the Include Order Status area, click inside the check boxes to exclude Active, Future, or Expired/DC'd orders.
- 3 In the Include Detail area, click inside the checkboxes to include/exclude Actions and Comments.

Keyboard Shortcut: Use **TAB** to move among the different areas of the dialog box. Press **SPACEBAR** to click inside a check box.

Viewing and Printing BCMA Reports

Viewing/Printing Cover Sheet– Medication Overview Report (cont.)

To view/print a Cover Sheet Medication Overview Report (cont.)

- 4 In the Print by area, select to print by Patient or Ward.

Note: If you choose to print the report by Patient, go to step 6.

- 5 If you choose to print the report by Ward, make your selection from the list box provided. Clicking on the **DOWN ARROW** on the Ward list box displays an alphabetical list of MAS wards and Nurse Units.

Note: After selecting a ward, you must select patients within that ward before running the report. Click **SELECT PATIENTS** and then select the patients you want to preview or print, then click **OK**.

Note: To include Inactive Wards, click inside the check box to deselect the default “Exclude Inactive Wards”.

- 6 Perform one of the following actions:
 - Click **PREVIEW** to display the report on-screen.
 - Click **PRINT** to display the Printer dialog box.
 - Click **CANCEL** to return to the patient’s VDL.

Keyboard Shortcut: Use **TAB** to move among the **PREVIEW**, **PRINT** and **CANCEL** buttons.

- 7 Perform one or more of the following actions, then click **OK**:
 - Select a printer from the drop-down list box that you want to use for outputting the Cover Sheet Medication Overview Report.
 - Check the Queuing check box and enter the Date and Time you want the report to print. Click the **DOWN ARROW** in the drop-down list box to display a choice of dates and times.

Note: The printer that you select becomes the “default” printer for *all* reports printed from BCMA.

Viewing and Printing BCMA Reports

Viewing/Printing Cover Sheet–PRN Overview Report

The Cover Sheet–PRN Overview Report displays and groups active expired or discontinued and future orders with a schedule type of PRN for the current patient and by ward. The total number of orders per group displays in brackets next to each group heading. The Cover Sheet–PRN Overview Report can be accessed from the Reports menu and then previewed and/or printed.

The Cover Sheet–PRN Overview Report provides three levels of detail for each order displayed.

- 1) The top level displays order and next administration data, and includes the following header and information in the order listed below.
 - **VDL Tab:** the name of the tab within BCMA where administrations are displayed.
 - **Status:** the current status of the order (i.e., Active, Expired, Hold)
 - **Medication; Dosage, Route:** the orderable item associated with the order, including multiple dispense drugs, additives, and solutions; plus the dosage and route of the order separated by a comma
 - **Last Given:** the last administration and the date/time the action was performed for the orderable item in ACTION MM/DD/YYYY@HHMM format
 - **Since Last Given:** the number of hours and minutes since the last administration of the orderable item in ##d ##h ##m format (e.g., 1d 10h 23m)
 - **Special Instructions:** special instructions associated with the order
 - **Order Start Date:** the order’s start date/time displayed in MM/DD/YYYY@HHMM format
 - **Order Stop Date:** the order’s stop date/time displayed in MM/DD/YYYY@HHMM format
- 2) The second level displays a maximum of four previous actions taken against this specific order, and includes the following header and information in the order listed below.

Note: Actions whose activity dates exceed the “Med History Days Back” site parameter will not be displayed.

Viewing and Printing BCMA Reports

Viewing/Printing Cover Sheet–PRN Overview Report (cont.)

- **Bag ID:** If the order is an IV order, then the Bag ID displays, which is the unique identifier for the bag associated with this action. The Bag ID header will not display unless the order type of the order is “IV”.
 - **Action By:** the initials of the person that performed the action, and the date/time of the action in MM/DD/YYYY@HHMM format
 - **Action:** the action that was performed.
 - **PRN Reason:** the PRN reason associated with the action
 - **PRN Effectiveness:** the PRN Effectiveness comment for this action
- 3) The third level displays comments associated with the action and includes the following header and information in the order listed below.
- **Comment By:** the initials of the person that entered the comment and the date/time the comment was entered in MM/DD/YYYY@HHMM format
 - **Comment:** the text of the comment

Example: PRN Overview Report

BCMA COVER SHEET PRN OVERVIEW REPORT
Order Status(es): Future / Active / Expired / DC'd
Include Action(s) & Comments/Reasons
Run Date: SEP 05, 2007 08:46
Page: 1

Patient: SCHAPATIENT, ONE SSN: 000-00-9678 DOB: SEP 2, 1947 (-225)
Sex: MALE Ht/Uc: */* Ward: 7A GEN MED Rm 724-A
Dx: TESTING Last Mvmt: AUG 3, 2006 @ 12:17:30 Type: ADMISSION

ADRs: No ADRs on file.

Allergies: LATEX, STRAWBERRIES

Total Orders reported: 2

Vdl	Status	Type	Medication; Dosage, Route	Last Given	Since	Order Start	Order Stop
Tab				Last Given	Last Given	Date	Date

ACTIVE [2 Orders]
=====

1
UD Active P (ALBUTEROL AEROSOL)
ALBUTEROL INHALER ; 1 puff , ORAL
INHALATION
09/5/2007@1606 0d 7h 40m 08/29/2007@1800 09/28/2007@1426
ACTION BY: OB 09/5/2007@1606 ACTION: GIVEN PRN REASON: Discomfort
COMMENT BY: OB 09/5/2007@1606 COMMENT: Pain Score of 1 entered into Vitals via BCMA at
09/05/2007@16:06
Special Instructions: !As needed for wheezing

2
UD Active P (MILK OF MAGNESIA SUSP)
MILK OF MAGNESIA 16 OZ. ; 30 ML ,
ORAL
09/5/2007@1124 0d 12h 22m 09/5/2007@0948 09/19/2007@0948
ACTION BY: OB 09/5/2007@1124 ACTION: GIVEN PRN REASON: Indigestion
Special Instructions: !GIVE AS NEEDED FOR ACID INDIGESTION

Report 1 of 1 Print Next Cancel

Viewing and Printing BCMA Reports

Viewing/Printing Cover Sheet–PRN Overview Report (cont.)

To view/print a Cover Sheet PRN Overview Report

- 1 Select the Cover Sheet command from the Reports menu and then select the PRN Overview report. The PRN Overview dialog box displays.

Keyboard Shortcut: Press **ALT+R** to display the Reports menu, and then press **C** to display the Cover Sheet reports. Press **R** to display the PRN Overview dialog box.

Example: Cover Sheet PRN Overview Dialog Box

The screenshot shows the 'PRN Overview' dialog box. It has a title bar with a close button. The main area is divided into three sections: 'Include Order Status' with three checked checkboxes (Active, Future, Expired/DC'd); 'Include Detail' with three checkboxes (Actions checked, Comments unchecked, Special Instructions / Other Print Info checked); and 'Print by' with two radio buttons (Patient selected, Ward unselected), a dropdown menu, and an 'Exclude Inactive Wards' checked checkbox. Below 'Print by' is a 'Print by Ward Options' section with three radio buttons (Sort by Patient unselected, Sort by Room-Bed unselected, Print Selected Patients on Ward - No Patients Selected selected) and a 'Select Patients' button. At the bottom are 'Preview', 'Print', and 'Cancel' buttons.

- 2 In the Include Order Status area, click inside the check boxes to exclude Active, Future, or Expired/DC'd orders.
- 3 In the Include Detail area, click inside the checkboxes to include/exclude Actions, Comments, or Special Instructions / Other Print Info.

Keyboard Shortcut: Use **TAB** to move among the different areas of the dialog box. Press **SPACEBAR** to click inside a check box.

- 4 In the Print by area, select to print by Patient or Ward.

Note: If you choose to print the report by Patient, go to step 6.

Viewing and Printing BCMA Reports

Viewing/Printing Cover Sheet– PRN Overview Report (cont.)

To view/print a Cover Sheet PRN Overview Report (cont.)

- 5 If you choose to print the report by Ward, make your selection from the list box provided. Clicking on the **DOWN ARROW** on the Ward list box displays an alphabetical list of MAS wards and Nurse Units.

Note: After selecting a ward, you must select patients within that ward before running the report. Click **SELECT PATIENTS** and then select the patients you want to preview or print, then click **OK**.

Note: To include Inactive Wards, click inside the check box to deselect the default “Exclude Inactive Wards”.

- 6 Perform one of the following actions:
 - Click **PREVIEW** to display the report on-screen.
 - Click **PRINT** to display the Printer dialog box.
 - Click **CANCEL** to return to the patient’s VDL.

Keyboard Shortcut: Use **TAB** to move among the **PREVIEW**, **PRINT** and **CANCEL** buttons.

- 7 Perform one or more of the following actions, then click **OK**:
 - Select a printer from the drop-down list box that you want to use for outputting the report.
 - Check the Queuing check box and enter the Date and Time you want the report to print. Click the **DOWN ARROW** in the drop-down list box to display a choice of dates and times.

Note: The printer that you select becomes the “default” printer for *all* reports printed from BCMA.

Viewing and Printing BCMA Reports

Viewing/Printing Cover Sheet– IV Overview Report

The Cover Sheet–IV Overview Report displays and groups IV bag information on active, expired, and discontinued orders for the current patient and by ward. The total number of IV bags per group displays in brackets next to each group heading. The Cover Sheet–IV Overview Report can be accessed from the Reports menu and then previewed and/or printed.

The groups display top down in the following order:

- **Infusing:** any bag that is currently infusing on an active, expired, or discontinued order
- **Stopped:** any bag that is currently stopped on an active, expired, or discontinued order
- **All Other:** any bag that is not infusing or stopped on an active order

The Cover Sheet–IV Overview Report provides two levels of detail for each order displayed.

- 1) The top level displays bag and order data, and includes the following header and information in the order listed below.

- **Bag ID:** the unique identifier of the bag.
- **Order Status:** the current status of the order to which the bag belongs
- **Bag Status:** the current status of the bag (Infusing, Stopped, Available, Complete).

Note: Bag status is blank for active IV orders that have no bags associated with them.

- **Medication; Dosage, Route:** the orderable item associated with the order, including additives and solutions; plus the dosage and route of the order separated by a comma.
- **Infusion Rate:** the infusion rate associated with the order.
- **Other Print Info:** other print information associated with the order
- **Bag Info:** “changed order” if the bag is associated with an order that has been edited
- **Order Start Date:** the order’s start date/time displayed in MM/DD/YYYY@HHMM format

Viewing and Printing BCMA Reports

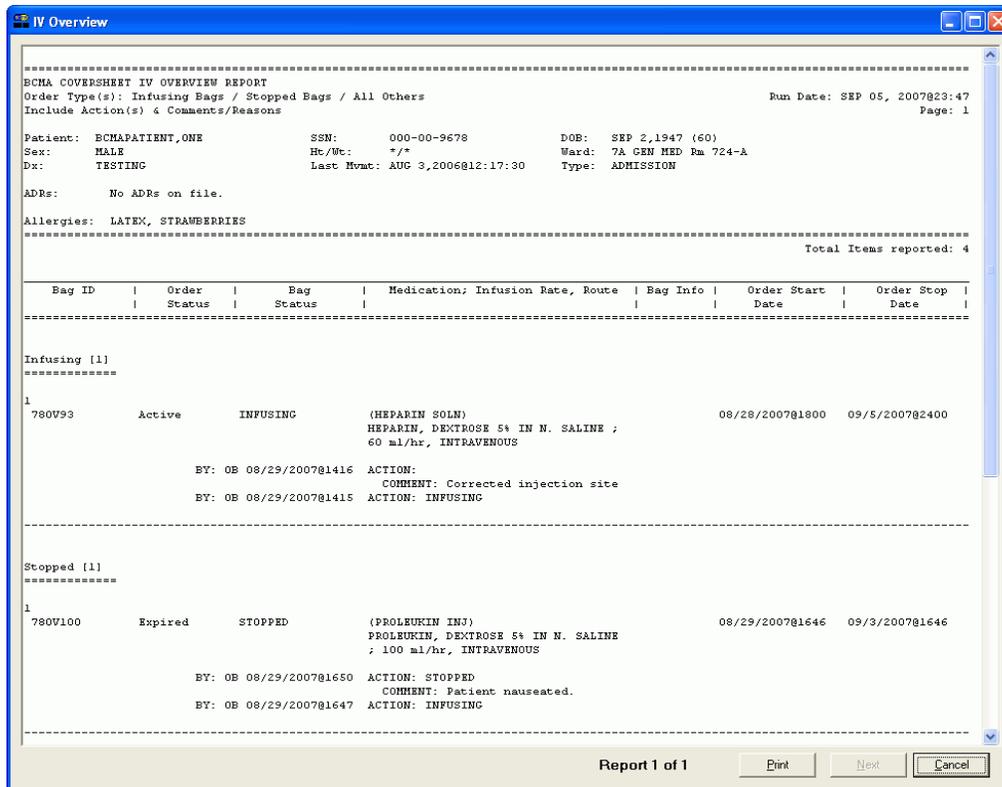
Viewing/Printing Cover Sheet– IV Overview Report (cont.)

- **Order Stop Date:** the order’s stop date/time displayed in MM/DD/YYYY@HHMM format
- 2) The second level displays the bag history (actions and comments) and contains the following header and information>

Note: A maximum of four previous actions display at the second level. Actions with activity date exceeding the “Med History Days Back” site parameter do not display.

- **Date/Time:** If the order is an IV order, then the Bag ID displays, which is the unique identifier for the bag associated with this action.
- **By:** the initials of the person that performed the action or entered the comment.
- **Action:** the action that was performed.
- **Comment:** the text of the comment.

Example: IV Overview Report



Viewing and Printing BCMA Reports

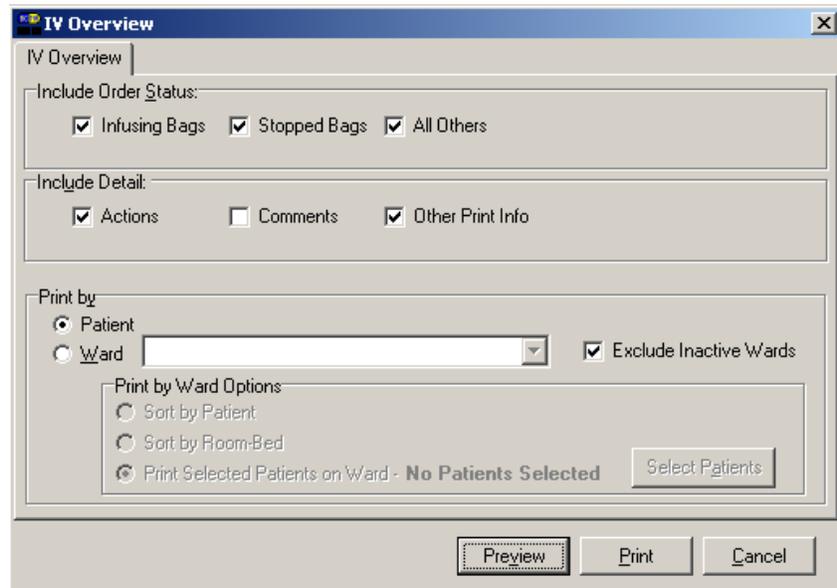
Viewing/Printing Cover Sheet–IV Overview Report (cont.)

To view/print a Cover Sheet IV Overview Report

- 1 Select the Cover Sheet command from the Reports menu, and then select the IV Overview report. The IV Overview dialog box displays.

Keyboard Shortcut: Press **ALT+R** to display the Reports menu, and then press **C** to display the Cover Sheet reports. Press **O** to display the IV Overview dialog box.

Example: Cover Sheet IV Overview Dialog Box



- 2 In the Include Order Status area, click inside the check boxes to exclude Infusing Bags, Stopped Bags, or All Others.
- 3 In the Include Detail area, click inside the checkboxes to include/exclude Actions, Comments or Other Print Info.

Keyboard Shortcut: Use **TAB** to move among the different areas of the dialog box. Press **SPACEBAR** to click inside a check box.

- 4 In the Print by area, select to print by Patient or Ward.

Note: If you choose to print the report by Patient, go to step 6.

Viewing and Printing BCMA Reports

Viewing/Printing Cover Sheet– IV Overview Report (cont.)

To view/print a Cover Sheet IV Overview Report (cont.)

- 5 If you choose to print the report by Ward, make your selection from the list box provided. Clicking on the **DOWN ARROW** on the Ward list box displays an alphabetical list of MAS wards and Nurse Units.

Note: After selecting a ward, you must select patients within that ward before running the report. Click **SELECT PATIENTS** and then select the patients you want to preview or print, then click **OK**.

Note: To include Inactive Wards, click inside the check box to deselect the default “Exclude Inactive Wards”.

Keyboard Shortcut: Use the **DOWN ARROW** to select the Ward, and then select a ward location from the drop-down list box.

- 6 Perform one of the following actions:
 - Click **PREVIEW** to display the report on-screen.
 - Click **PRINT** to display the Printer dialog box.
 - Click **CANCEL** to return to the patient’s VDL.

Keyboard Shortcut: Use **TAB** to move among the **PREVIEW**, **PRINT** and **CANCEL** buttons.

- 7 Perform one or more of the following actions, then click:
 - Select a printer from the drop-down list box that you want to use for outputting the report.
 - Check the Queuing check box and enter the Date and Time you want the report to print. Click the **DOWN ARROW** in the drop-down list box to display a choice of dates and times.

Note: The printer that you select becomes the “default” printer for *all* reports printed from BCMA.

Viewing and Printing BCMA Reports

Viewing/Printing Cover Sheet– Expired/DC’d/ Expiring Orders Report

The Cover Sheet–Expired/DC’d/Expiring Orders Report displays and groups expired and discontinued orders, as well as orders that will expire for the current patient and by ward. For each group, the total number of IV bags per group is displayed in brackets next to the group heading. The Cover Sheet–Expired/DC’d/Expiring Orders Report can be accessed from the Reports menu and then previewed and/or printed.

The groups display top down in the following order:

- **Expired/DC’d:** orders that have expired or discontinued within the last 24 hours.
- **Expiring Today:** orders that have not yet expired, but will expire before midnight of the current day
- **Expiring Tomorrow:** orders that expire after midnight of the current day but before midnight of the next day

The Cover Sheet Expired/DC’d/Expiring Orders Report provides three levels of detail for each order displayed.

- 1) The top level displays order and next administration data, and includes the following header and information in the order listed below.
 - **VDL Tab:** the name of the tab within BCMA where administrations are displayed.
 - **Status:** the current status of the order (i.e., Active, Expired, Hold)
 - **Type:** the schedule type of the order
 - **Medication; Dosage, Route:** the orderable item associated with the order, including multiple dispense drugs, additives, and solutions; plus the dosage and route of the order separated by a comma
 - **Schedule:** the order schedule (i.e., Q2H, BID).
 - **Special Instructions:** special instructions associated with the order
 - **Order Start Date:** the order’s start date/time displayed in MM/DD/YYYY@HHMM format
 - **Order Stop Date:** the order’s stop date/time displayed in MM/DD/YYYY@HHMM format

Viewing and Printing BCMA Reports

Viewing/Printing Cover Sheet– Expired/DC'd/ Expiring Orders Report (cont.)

- 2) The second level displays a maximum of four previous actions taken against the order and contains the following header and information:
 - **Bag ID:** if the order is an IV order, the Bag ID displays.
 - **Action By:** the initials of the person that performed the action and the date/time of the action in MM/DD/YYYY@HHMM format.
 - **Action:** the action that was performed.
 - If the order has a PRN schedule type, the following headers and fields will display:
 - **PRN Reason:** the PRN reason associated with the action
 - **PRN Effectiveness:** the PRN Effectiveness comment for this action
- 3) The third level displays comments associated with the action and includes the following header and information in the order listed below.
 - **Comment By:** the initials of the person that entered the comment and the date/time the comment was entered in MM/DD/YYYY@HHMM format.
 - **Comment:** the text of the comment.

Example: Expired/DC'd/Expiring Orders Report

=====

BCMA GOVERNMENT EXPIRED/DC'd/EXPIRING ORDERS REPORT

Order Statistics: Expired / DC'd / Expiring Today / Expiring Tomorrow Run Date: MAR 02, 2012@12:24

Include Action(s) & Comment/Status Page: 1

Patient: SCHASATIENT, TWO SSN: 000-00-0202 DOB: MAY 16, 1970 (41)

Sex: FEMALE Ht/Wt: */* Ward: GENERAL MED Rm 02000-2

Dx: LUNG CANCER Last Mvmt: OCT 12, 2010@09:59:40 Type: ADMISSION

ADRs: No ADRs on file.

Allergies: LATEX

=====

Total Orders reported: 4

VDL	Status	Type	Medication	Dosage, Route	Schedule	Next Action	Order Start Date	Order Stop Date
Expired/DC'd [0 Orders]								
1	Expired	C	(MIDODDINE TAB)	MIDODDINE HCL 5MG TAB ; 5MG , ORAL	CONTINUOUS DISP		02/16/2012@1206	03/1/2012@1206
2	Expired	C	(THIORIDAZINE TAB)	THIORIDAZINE HCL 25MG TAB ; 12.5MG , ORAL	TID		02/16/2012@1213	03/1/2012@1213
3	Expired	O	(THIORIDAZINE TAB)	THIORIDAZINE HCL 25MG TAB ; 12.5MG , ORAL	NOW		02/16/2012@1257	03/1/2012@1257
Expiring Tomorrow [0 Orders]								

=====

REPORT LEGEND

SCHEDULE TYPES

C - Continuous

O - One Time

OC - On Call

N - N/A

Report 1 of 1 Print View Cancel

Viewing and Printing BCMA Reports

Viewing/Printing Cover Sheet–Expired/DC’d/Expiring Orders Report (cont.)

To view/print a Cover Sheet Expired/DC’d/Expiring Orders Report

- 1 Select the Cover Sheet command from the Reports menu, and then select the Expired/DC’d/Expiring Orders report. The Expired/DC’d/Expiring Orders dialog box displays.

Keyboard Shortcut: Press **ALT+R** to display the Reports menu, and then press **C** to display the Cover Sheet reports. Press **X** to display the Expired/DC’d/Expiring Orders dialog box.

Example: Cover Sheet Expired/DC’d/Expiring Orders Dialog Box

The screenshot shows the 'Expired/DC'd/Expiring Orders' dialog box. It has a title bar with the text 'Expired/DC'd/Expiring Orders' and a close button. The dialog box is divided into several sections. The first section is 'Include Order Status' with three checked checkboxes: 'Expired/DC'd', 'Expiring Today', and 'Expiring Tomorrow'. The second section is 'Include Detail' with three checkboxes: 'Actions' (checked), 'Comments' (unchecked), and 'Special Instructions / Other Print Info' (checked). The third section is 'Print by' with two radio buttons: 'Patient' (selected) and 'Ward'. To the right of the 'Ward' radio button is a dropdown menu and a checked checkbox 'Exclude Inactive Wards'. Below the 'Print by' section is a 'Print by Ward Options' section with three radio buttons: 'Sort by Patient' (unchecked), 'Sort by Room-Bed' (unchecked), and 'Print Selected Patients on Ward - No Patients Selected' (selected). To the right of these radio buttons is a 'Select Patients' button. At the bottom of the dialog box are three buttons: 'Preview', 'Print', and 'Cancel'.

- 2 In the Include Order Status area, click inside the check boxes to exclude Expired/DC’d, Expiring Today, or Expiring Tomorrow orders.
- 3 In the Include Detail area, click inside the checkboxes to include/exclude Actions, Comments or Special Instructions / Other Print Info.

Keyboard Shortcut: Use **TAB** to move among the different areas of the dialog box. Press **SPACEBAR** to click inside a check box.

- 4 In the Print by area, select to print by Patient or Ward.

Note: If you choose to print the report by Patient, go to step 6.

Viewing and Printing BCMA Reports

Viewing/Printing Cover Sheet–Expired/DC’d/Expiring Orders Report (cont.)

To view/print a Cover Sheet Expired/DC’d/Expiring Orders Report (cont.)

- 5 If you choose to print the report by Ward, make your selection from the list box provided. Clicking on the **DOWN ARROW** on the Ward list box displays an alphabetical list of MAS wards and Nurse Units.

Note: After selecting a ward, you must select patients within that ward before running the report. Click **SELECT PATIENTS** and then select the patients you want to preview or print, then click **OK**.

Note: To include Inactive Wards, click inside the check box to deselect the default “Exclude Inactive Wards”.

- 6 Perform one of the following actions:
 - Click **PREVIEW** to display the report on-screen.
 - Click **PRINT** to display the Printer dialog box.
 - Click **CANCEL** to return to the patient’s VDL.

Keyboard Shortcut: Use **TAB** to move among the **PREVIEW**, **PRINT** and **CANCEL** buttons.

- 7 Perform one or more of the following actions, then click **OK**:
 - Select a printer from the drop-down list box that you want to use for outputting the Cover Sheet Expired/DC’d/Expiring Orders Report.
 - Check the Queuing check box and enter the Date and Time you want the report to print. Click the **DOWN ARROW** in the drop-down list box to display a choice of dates and times.

Note: The printer that you select becomes the “default” printer for *all* reports printed from BCMA.

Viewing and Printing BCMA Reports

Viewing/Printing a Medication Therapy Report

The Medication Therapy Report is similar to the Medication History Report, but contains additional information and does not require a patient record to be open. If no patient record is open, it defaults to a ward-based report. If a patient record is open, the report searches the current patient's administrations.

The Medication Therapy Report allows users to search by VA Drug Class, orderable item, or dispense drug. The report searches through all of currently admitted patients' previous administrations that fall within the specified date range and match the specified schedule types and selected medications.

To view/print a Medication Therapy Report

- 1 Select the Medication Therapy command from the Reports menu. The Medication Therapy dialog box displays.

Keyboard Shortcut: Press **ALT+R** to display the Reports menu, and then press **T** to display the Medication Therapy dialog box.

Example: Medication Therapy Dialog Box

Medication Therapy

Medication Therapy

Start Date: 9/20/2010 Stop Date: 9/21/2010

Include Schedule Types:

Continuous On-Call
 PRN One-Time

Include Detail:

Comments

Medication Search:

Select Medications No Medications Selected

Print by:

Patient Ward [Dropdown]
 Exclude Inactive Wards

Print by Ward Options:

Sort by Patient
 Sort by Room-Bed
 Print Selected Patients on Ward - No Patients Selected [Select Patients]

Preview Print Cancel

Viewing and Printing BCMA Reports

Viewing/Printing a Medication Therapy Report (cont.)

To view/print a Medication Therapy Report (cont.)

- 2 Use the **DOWN ARROW**, within the list boxes, to select the Start and Stop Dates of the Medication Therapy Report that you want to view on-screen or print.

Note: Clicking on the **DOWN ARROW** on the Date for Report list box displays a calendar. You can use the scroll arrows in the upper corners of the calendar to display a different month, and then click on a date to select it and close the calendar. Clicking inside the Start/Stop Time list boxes provides selections.

Keyboard Shortcut: Use **TAB** to move among the different areas of the dialog box.

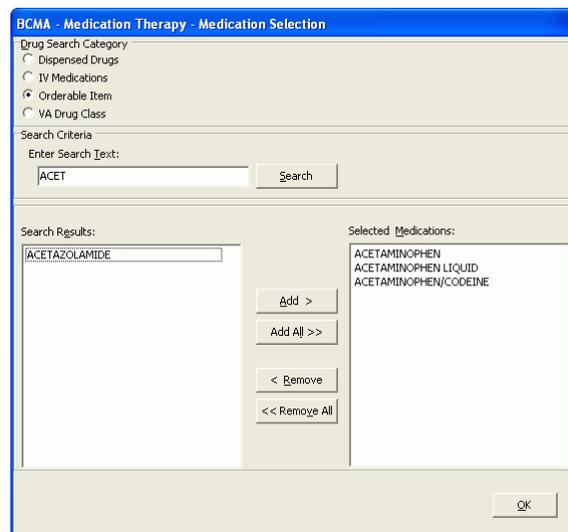
- 3 In the Include Schedule Types area, click inside the check boxes to exclude Continuous, PRN, On-Call, and One-Time in the Medication Therapy Report.

Keyboard Shortcut: Press **SPACEBAR** to select a check box.

- 4 In the Include Detail area, click inside the check box to include/exclude comments.
- 5 Click **SELECT MEDICATIONS** to display the Medication Therapy – Medication Selection dialog box.

Note: You must select medications prior to running this report.

Example: Medication Therapy – Medication Selection Dialog Box



Viewing and Printing BCMA Reports

Viewing/Printing a Medication Therapy Report (cont.)

To view/print a Medication Therapy Report (cont.)

- 6 In the Drug Search Category, click a category to choose the method by which you want to search for a medication. Choices include Dispensed Drugs, IV Medications, Orderable Item (default), and VA Drug Class. Regardless of the drug category you choose for searching, the search results will return Dispensed Drugs.

Note: Currently, when searching by VA Drug Class, BCMA accepts only VA Drug Class Classification Text, not VA Drug Class Codes.

- 7 In the Search Criteria area, enter search text as applicable. If you are unsure of the spelling of an item, you can enter a partial name. Press **ENTER** or click the **SEARCH** button.
- 8 When Search Results display, select the medications you want on the report using one of the following methods:
 - To select only one medication, click its name and then click **ADD**.
 - To select all listed medications, click one and then click **ADD ALL**.
 - To remove a medication that was selected by mistake, click its name in the Selected Medications area and then click **REMOVE**.
 - To remove all medications in the Selected Medications area, click one name and then click **REMOVE ALL**.

Keyboard Shortcut: To select medications from the Search Results or Selected Medications lists, use **CTL+CLICK** or **SHIFT+CLICK** for each name. To select all medications in a list, use **ALT+A**.

- 9 Click **OK** to return to the Medication Therapy – Medication Selection dialog box.

- 10 In the Print by area, select to print by Patient or Ward.

Note: If you choose to print the report by Patient, go to step 12.

- 11 If you choose to print the report by Ward, make your selection from the list box provided. Clicking on the **DOWN ARROW** on the Ward list box displays an alphabetical list of MAS wards and Nurse Units.

Note: After selecting a ward, you must select patients within that ward before running the report.

Viewing and Printing BCMA Reports

Viewing/Printing a Medication Therapy Report (cont.)

To view/print a Medication Therapy Report (cont.)

Note: To include Inactive Wards, click inside the check box to deselect the default “Exclude Inactive Wards”.

Keyboard Shortcut: Use the **DOWN ARROW** to select the Ward, and then select a ward location from the drop-down list box.

Note: If you choose to print selected patients, you must click **SELECT PATIENTS** and then select the patients you want to preview or print, then click **OK**.

1 2 Perform one of the following actions:

- Click **PREVIEW** to display the report on-screen.
- Click **PRINT** to display the Printer dialog box.
- Click **CANCEL** to return to the patient’s VDL.

Keyboard Shortcut: Use **TAB** to move among the **PREVIEW**, **PRINT** and **CANCEL** buttons.

1 3 Perform one or more of the following actions, then click **OK**:

- Select a printer from the drop-down list box that you want to use for outputting the report.
- Check the Queuing check box and enter the Date and Time you want the report to print. Click the **DOWN ARROW** in the drop-down list box to display a choice of dates and times.

Note: The printer that you select becomes the “default” printer for *all* reports printed from BCMA.

Viewing and Printing BCMA Reports

Viewing/Printing a Medication Therapy Report (cont.)

To view/print a Medication Therapy Report (cont.)

Example: Medication Therapy Report

The screenshot shows a window titled "Medication Therapy" with a report for a patient from August 26, 2007, to September 6, 2007. The report includes patient demographics, allergies, and a table of medication administrations. The table shows two entries for Acetaminophen 325mg tablets, one on August 29 and one on August 28, both administered at 7A GEN MED 724-A. Comments for each entry mention a pain score of 3 and 6, respectively, entered into the system via BCMA. A legend at the bottom explains the schedule types (C, O, OC, P) and initials (OB).

BCMA MEDICATION THERAPY REPORT for AUG 26, 2007@0001 to SEP 06, 2007@2400 Run Date: SEP 06, 2007
Schedule Type(s): Continuous / PEN / OnCall / OneTime Page: 1
Include Comments

ORDERABLE ITEM SEARCH LIST: ACETAMINOPHEN LIQUID / ACETAMINOPHEN/CODEINE / ACETAMINOPHEN

Patient: BCMAPATIENT,ONE SN: 000-00-9678 DOB: SEP 2,1947 (60)
Sex: MALE Hc/Wc: +/- Ward: 7A GEN MED Rm 724-A
Dx: TESTING Last Hvst: AUG 3,2006@12:17:30 Type: ADMISSION

ADRs: No ADRs on file.

Allergies: LATEX, STRAWBERRIES

Location	St	Sch	Administration Date	By	Injection Site Medication & Dosage	Units Ordered	Units Given	Units of Administration
7A GEN MED 724-A	G	P	AUG 29, 2007@13:57	OB	ACETAMINOPHEN 325MG TABLET	2	2	TAB
Comments:								
AUG 29, 2007@13:57:09 OB								
Pain Score of 3 entered into Vitals via BCMA at 08/29/2007@13:57								
7A GEN MED 724-A	G	P	AUG 28, 2007@17:29	OB	ACETAMINOPHEN 325MG TABLET	2	2	TAB
Comments:								
AUG 28, 2007@17:29:10 OB								
Pain Score of 6 entered into Vitals via BCMA at 08/28/2007@17:29								

REPORT LEGEND

SCHEDULE TYPES INITIALS

C - Continuous OB - BCMANURSE,ONE
O - One Time
OC - On Call
P - PRN (As Needed)

Report 1 of 1 [Print] [Next] [Cancel]

Viewing and Printing BCMA Reports

Viewing/Printing an IV Bag Status Report

You can print (and view) a patient's IV Bag Status Report, which provides status on IV bags, excluding available bags, by patient or by selected patients on the ward. Users can include/exclude completed, infusing, stopped, missing, held, and refused IV bags, as well as bags for which no action has been taken on the order.

To view/print an IV Bag Status Report

- 1 Select the IV Bag Status command from the Reports menu. The Medication Therapy dialog box displays.

Keyboard Shortcut: Press **ALT+R** to display the Reports menu, and then press **B** to display the IV Bag Status dialog box.

Example: IV Bag Status Dialog Box

The screenshot shows the 'IV Bag Status' dialog box. It features a title bar with a close button. The main area is divided into several sections: 'Start Date' and 'Stop Date' (both set to 12/18/2011 and 12/21/2011 respectively); 'Start Time' (0001) and 'Stop Time' (2400); 'Include Order Status' with checkboxes for 'Active', 'DC'd', and 'Expired'; 'Include Bag Status' with checkboxes for 'Completed', 'Infusing', 'Stopped', 'Missing Dose', 'Held', and 'Refused'; 'Include Detail' with checkboxes for 'Comments' and 'Other Print Info'; 'Print by' with radio buttons for 'Patient' and 'Ward', and a dropdown menu; 'Print by Ward Options' with radio buttons for 'Sort by Patient', 'Sort by Room-Bed', and 'Print Selected Patients on Ward - No Patients Selected'; and a 'Select Patients' button. At the bottom are 'Preview', 'Print', and 'Cancel' buttons.

- 2 Use the **DOWN ARROW**, within the list boxes, to select the Start and Stop Dates of the IV Bag Status Report that you want to view on-screen or print.

Note: Clicking on the down arrow on the Date for Report list box displays a calendar. You can use the scroll arrows in the upper corners of the calendar to display a different month, and then click on a date to select it and close the calendar. Clicking inside the Start/Stop Time list boxes provides selections.

Keyboard Shortcut: Use **TAB** to move among the different areas of the dialog box.

Viewing and Printing BCMA Reports

Viewing/Printing an IV Bag Status Report (cont.)

To view/print an IV Bag Status Report (cont.)

- 3 Use the **DOWN ARROW**, within the list boxes, to select the Start and Stop Times to include on the report.
- 4 In the Include Order Status area, click inside the check boxes to exclude Active, DC'd or Expired orders.
- 5 In the Include Bag Status area, click inside the check boxes to include/exclude Completed, Infusing, Stopped, Missing Dose, Held, Refused and No Action Taken, status.

Keyboard Shortcut: Press **SPACEBAR** to select a check box.

- 6 In the Include Detail area, click inside the check box to include/exclude comments or Other Print Info.
- 7 In the Print by area, select to print by Patient or Ward.

Note: If you choose to print the report by Patient, go to step 9.

Keyboard Shortcut: Use the **DOWN ARROW** to select the Ward, and then select a ward location from the drop-down list box.

- 8 If you choose to print the report by Ward, make your selection from the list box provided. Clicking on the **DOWN ARROW** on the Ward list box displays an alphabetical list of MAS wards and Nurse Units.

Note: After selecting a ward, you must select patients within that ward before running the report. Click **SELECT PATIENTS** and then select the patients you want to preview or print, then click **OK**.

Note: To include Inactive Wards, click inside the check box to deselect the default "Exclude Inactive Wards".

- 9 Perform one of the following actions:
 - Click **PREVIEW** to display the report on-screen.
 - Click **PRINT** to display the Printer dialog box.
 - Click **CANCEL** to return to the patient's VDL.

Keyboard Shortcut: Use **TAB** to move among the **PREVIEW**, **PRINT** and **CANCEL** buttons.

- 10 Perform one or more of the following actions, then click **OK**:
 - Select a printer from the drop-down list box that you want to use for outputting the IV Bag Status Report.
 - Check the Queuing check box and enter the Date and Time you want the report to print. Click the **DOWN ARROW** in the drop-down list box to display a choice of dates and times.

Viewing and Printing BCMA Reports

Viewing/Printing an IV Bag Status Report (cont.)

To view/print an IV Bag Status Report (cont.)

Note: The printer that you select becomes the “default” printer for *all* reports printed from BCMA.

Example: IV Bag Status Report

BCMA IV BAG STATUS REPORT for Feb 28, 2012@00:01 to Mar 02, 2012@24:00 Run Date: MAR 02, 2012@12:11
Order Status(es): Active / DC'd / Expired Page: 1
Bag Status(es): Infusing / Stopped / Held
Include Comments/Reasons

Patient: BCMAPATIENT,TWELVE SSN: 000-00-1212 DOB: APR 16,1983 (28)
Sex: FEMALE Ht/Wt: */* Ward: CARDIO Rm CARDIO-2
Dx: ANGINA PECTORIS Last Hwmt: OCT 12,2010@17:46:22 Type: ADMISSION

ADRs: No ADRs on file.

Allergies: FENTANYL, MORPHINE

Order Start Date	Order Stop Date	Order Status	Medication	Bag UID	Bag Status	Action Date/Time
1 (23V) 01/31/2012@1255	07/29/2012@1257	Active	FUROSEMIDE D5*/NACL 0.9%/KCL ZOMEQ/L	750WS42	INFUSING	03/2/2012@1021

BCMAPATIENT,TWELVE 000-00-1212 Ward: CARDIO Room-Bed: CARDIO-2
BCMA IV BAG STATUS REPORT MAR 02, 2012@12:11:35 Page: 1 of 1

Report 1 of 1 Print Next Cancel

Viewing and Printing BCMA Reports

Viewing/Printing an Unable to Scan (Detailed) Report

You can use the Unable to Scan (Detailed) Report to view/print detailed information for each scanning failure logged via Unable to Scan functionality. Report data for a wristband scanning failure is collected after you complete the Unable to Scan process and successfully select, confirm, and open the patient record. Report data for a medication scanning failure is collected after you complete the Unable to Scan process and complete all steps of the medication administration. Canceling out of the Unable to Scan process or canceling a medication administration at any point in the process will not log the Unable to Scan event. Only logged Unable to Scan events print on the Detailed report. It is not necessary to open a patient record in order to view/print this report.

Note: This report is only accessible to users with the PSB UNABLE TO SCAN security key.

To view/print an Unable to Scan (Detailed) Report

- 1 Select the Unable to Scan (Detailed) command from the Reports menu. The Unable to Scan (Detailed) dialog box displays.

Keyboard Shortcut: Press **ALT+R** to display the Reports menu, and then press **N** to display the Unable to Scan (Detailed) dialog box.



TIP:

You can type the information in the list boxes, or use the drop-down arrows to make your selection.

Example: Unable to Scan (Detailed) Dialog Box

- 2 Use the **DOWN ARROW**, within the list boxes, to select the Start and Stop Dates of the Unable to Scan (Detailed) Report that you want to view on-screen or print.

Viewing and Printing BCMA Reports

Viewing/Printing an Unable to Scan (Detailed) Report (cont.)

To view/print an Unable to Scan (Detailed) Report (cont.)

Note: Clicking on the **DOWN ARROW** on the Start Date and Stop Date list boxes displays a calendar. You can use the scroll arrows in the upper corners of the calendar to display a different month, and then click on a date to select it and close the calendar. Clicking inside the Start/Stop Time list boxes provides selections.

Keyboard Shortcut: Use **TAB** to move among the different areas of the dialog box.

- 3 Use the **DOWN ARROW**, within the list boxes, to select the Start and Stop Times of the Unable to Scan (Detailed) Report that you want to view on-screen or print.

Note: Report will begin searching for Unable to Scan events that occurred on or after the Start Date @ Start Time specified and will stop searching for Unable to Scan events that occurred before or on the Stop Date @ Stop Time specified.

- 4 In the Type of Scanning Failure area, select the type of scanning failure to include in the report.
- 5 Use the **DOWN ARROW**, within the Select Reason list box, to select the reason for the scanning failure.

Note: Reasons are filtered by Type of Scanning Failure selection.

- 6 In the For area, select the All Wards/Patients radio button or the Ward radio button and choose the individual ward or Nurse Unit from the list box.

Note: To include Inactive Wards in the list box, click inside the check box to deselect the default “Exclude inactive Wards.”

Note: To include MAS Wards in the list box, click inside the check box to deselect the default “Exclude MAS Wards.”

- 7 In the Sort area, specify the criteria by which you would like to sort your report. You can select up to three levels of fields to sort by. By default, the report is sorted by Date/Time of Scanning Failure (ascending). Select Primary and optional Second and Third Sort By options.
- 8 Perform one of the following actions:
 - Click **PREVIEW** to display the report on-screen.
 - Click **PRINT** to display the Printer dialog box.
 - Click **CANCEL** to return to the patient’s VDL.

Viewing and Printing BCMA Reports

Viewing/Printing an Unable to Scan (Detailed) Report (cont.)

To view/print the Unable to Scan (Detailed) Report (cont.)

Keyboard Shortcut: Use **TAB** to move among the **PREVIEW**, **PRINT** and **CANCEL** buttons.

9 Perform one or more of the following actions, then click **OK**:

- Select a printer from the drop-down list box that you want to use for outputting the Unable to Scan (Detailed) report.
- Check the Queuing check box and enter the Date and Time you want the report to print. Click the **DOWN ARROW** in the drop-down list box to display a choice of dates and times.

Note: The printer that you select becomes the “default” printer for *all* reports printed from BCMA.

Example: Unable to Scan (Detailed) Report

BCMA UNABLE TO SCAN (Detailed) Page: 1 of 1

Date/Time: NOV 20, 2008@15:18:44
 Report Date Range: Start Date: NOV 07, 2008@00:01 Stop Date: NOV 13, 2008@24:00
 Type of Scanning Failure: All
 Reason: All Reasons
 Division: ANYTOWN VA HCS Nurse Location: All
 Sorted By: DATE/TIME of UTS (ascending) Total BCMA Unable to Scan events: 5

This is a report of documented BCMA "Unable to Scan" events within the given date range.

PATIENT'S NAME (PID)	DATE/TIME of UTS	LOCATION WARD/RmBd	TYPE	DRUG (ID#)	USER'S NAME	REASON UTS
1. SJERAM, BHYYHSE HIPLUI (8560)	NOV12,2008 @09:05:23	9D-BU /917D1-3-BU	MED	ORD#: 34U INSULIN REC (5176)	GRABAR,SUZANNE R	Damaged Medication Label
COMMENT: [Verify Five Rights Override Selected] label was torn						
2. SJERAM, BHYYHSE HIPLUI (8560)	NOV12,2008 @09:27:45	9D-BU /917D1-3-BU	WRIST		GRABAR,SUZANNE R	Damaged Wristband
COMMENT: rn notified						
3. SJERAM, BHYYHSE HIPLUI (8560)	NOV12,2008 @11:33:05	9D-BU /917D1-3-BU	MED	ORD#: 32U NITROGLYCERIN 0.4MG/HR PATCH (2313)	GRABAR,SUZANNE R	Damaged Medication Label
COMMENT: [Verify Five Rights Override Selected] label is torn						
4. SJERAM, BHYYHSE HIPLUI (8560)	NOV12,2008 @11:43:24	9D-BU /917D1-3-BU	WRIST		GRABAR,SUZANNE R	Damaged Wristband
COMMENT: replacing wrist band						

Report 1 of 1 Print Next Cancel

Viewing and Printing BCMA Reports

Viewing/Printing an Unable to Scan (Summary) Report

You can use the Unable to Scan (Summary) Report to view/print the total number and percentages of wristbands scanned, wristbands by-passed, medications scanned, and medications by-passed. It is not necessary to open a patient record in order to view/print this report.

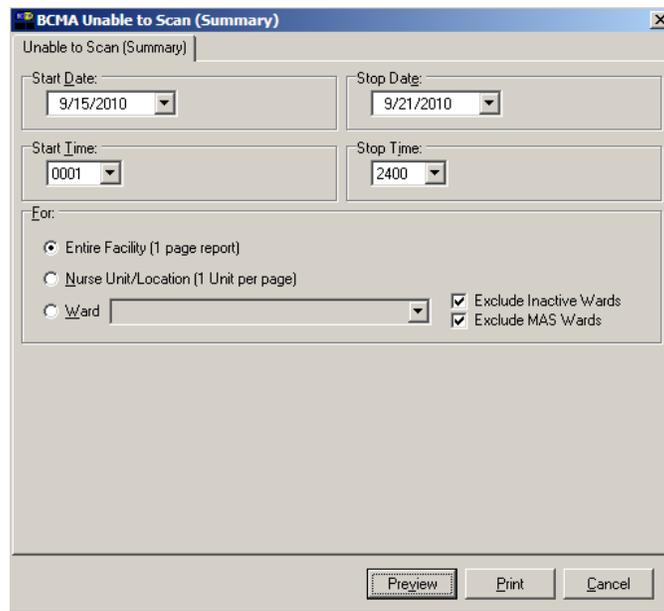
Note: This report is only accessible to users with the PSB UNABLE TO SCAN security key.

To view/print an Unable to Scan (Summary) Report

- 1 Select the Unable to Scan (Summary) command from the Reports menu. The Unable to Scan (Summary) dialog box displays.

Keyboard Shortcut: Press **ALT+R** to display the Reports menu, and then press **S** to display the Unable to Scan (Summary) dialog box.

Example: Unable to Scan (Summary) Dialog Box



TIP:

You can type the information in the list boxes, or use the drop-down arrows to make your selection.

- 2 Use the **DOWN ARROW**, within the list boxes, to select the Start and Stop Dates for the Unable to Scan (Summary) Report that you want to view on-screen or print.

Note: Clicking on the **DOWN ARROW** on the Start Date and Stop Date list boxes displays a calendar. You can use the scroll arrows in the upper corners of the calendar to display a different month, and then click on a date to select it and close the calendar. Clicking inside the Start/Stop Time list boxes provides selections.

Keyboard Shortcut: Use **TAB** to move among the different areas of the dialog box.

Viewing and Printing BCMA Reports

Viewing/Printing an Unable to Scan (Summary) Report (cont.)

To view/print an Unable to Scan (Summary) Report (cont.)

- 3 In the For area, select the Entire Facility radio button, Nurse Unit/Location radio button, or the Ward radio button.
 - The Entire Facility option prints a one page report containing grand totals and percentages for your entire Division. This option is filtered by the Division you selected when you logged into BCMA.
 - The Nurse Unit/Location option prints a summary report page for each Nurse Unit in your Division (one unit per page). This option is filtered by the Division you selected when you logged into BCMA.
 - The Ward option allows you print a summary report for a selected MAS Ward or Nurse Unit.
- 4 If you choose to print the report by Ward, make your selection from the list box provided. Clicking on the **DOWN ARROW** on the Ward list box displays an alphabetical list of MAS Wards and/or Nurse Units.

Note: To include Inactive Wards in the list box, click inside the check box to deselect the default “Exclude Inactive Wards.”

Note: To include MAS Wards in the list box, click inside the check box to deselect the default “Exclude MAS Wards.”

- 5 Perform one of the following actions:
 - Click **PREVIEW** to display the report on screen.
 - Click **PRINT** to display the Printer dialog box.
 - Click **CANCEL** to return to the patient’s VDL.

Keyboard Shortcut: Use **TAB** to move among the **PREVIEW**, **PRINT** and **CANCEL** buttons.

- 6 Perform one or more of the following actions, then click **OK**:
 - Select a printer from the drop-down list box that you want to use for outputting the Unable to Scan (Summary) report.
 - Check the Queuing check box and enter the Date and Time you want the report to print. Click the **DOWN ARROW** in the drop-down list box to display a choice of dates and times.

Viewing and Printing BCMA Reports

Viewing/Printing an Unable to Scan (Summary) Report (cont.)

To view/print an Unable to Scan (Summary) Report (cont.)

Note: The printer that you select becomes the “default” printer for *all* reports printed from BCMA.

Example: Unable to Scan (Summary) Report

BCMA UNABLE TO SCAN (Summary) Page: 1 of 1

Date/Time: NOV 20, 2008@14:20:05
Report Date Range: Start Date: NOV 14, 2008@00:01 Stop Date: NOV 20, 2008@24:00
Division: ANYTOWN VA HCS Nurse Location: NUR 10D-BU

This is a summary report of BCMA Unable to Scan Events that have occurred within the given date range.

Note: * Access to BCMA Unable to Scan Reports is RESTRICTED. *

Wristband Totals -	Count	% total events	
Processed via SCANNER	1,218	99.9	
Processed via SCANNER BY-PASS.....	1	0.1	
KEYED ENTRY.....	0	0.0	
BCMA UNABLE TO SCAN Option	1	0.1	
Total Wristband Scan Events	1,219		

Medication Label Totals -	Count	% total events	
Processed via SCANNER	3,143	99.0	
Processed via SCANNER BY-PASS.....	33	1.0	
KEYED ENTRY.....	3	0.1	
BCMA UNABLE TO SCAN	30	0.9	
VISTA MANUAL MED ENTRY	0	0.0	
Total Medication Label Scan Events	3,176		

NOV 20, 2008@14:20:05
BCMA UNABLE TO SCAN (Summary) Page: 1 of 1

Report 1 of 1 [Print] [Next] [Cancel]

Glossary

BCMA Lingo

The alphabetical listings, in this chapter, are designed to familiarize you with the many acronyms and terms used within this manual and the BCMA software.

Example: Alphabetical Listing of BCMA Acronyms and Terms

Acronym/Term	Definition
Active	When a medication has been verified, it becomes “active,” and displays on the VDL under the related Medication Tab. A nurse can then administer the medication to the patient. Under the IV Medication Tab, this information is listed in the Status column.
Additive	A drug added in small amounts to an IV solution to improve, strengthen, or otherwise alter it for parenteral administration.
Administration History Report	A report in CPRS that lists the date, time, and orderable item of a medication selected on the CPRS Meds Tab. This report is called “Medication History Report” in BCMA.
Administration Times Report	A report that lists a patient’s medications by the scheduled administration time (from the earliest to the latest).
ADR	Adverse Drug Reaction. See definition under “Adverse Drug Reaction.”
Adverse Drug Reaction	Also called “ADR,” any response to a drug which is noxious and unintended, and which occurs at doses normally used in humans for treatment, diagnosis, or therapy of a disease, or for modifying physiological functions, including toxicity caused by overdose, drug interaction, drug abuse, drug withdrawal, significant failure of expected action, food-drug interaction, or allergy.
Allergy	A type of Adverse Drug Reaction (ADR) that involves a hypersensitivity (i.e., shortness of breath, hives) to a specific substance (i.e., food, drug, chemical).
Audits	The process that tracks the activities of nurses administering medications, by recording selected types of events in the patient’s Medication Log.
Available	This status for an IV bag indicates that the Pharmacy has printed a bag label, and the bag is either being prepared, has been prepared, or has been delivered to the ward for administration. Multiple available bags may display for any specific IV order at any given point in time.
BCMA	Bar Code Medication Administration. A <i>VISTA</i> software application used in VAMCs for validating patient information and medications against active medication orders <i>before</i> being administered to a patient.
BCMA Clinical Reminders	A marquee located in the lower, right-hand corner of the VDL that identifies PRN medication orders needing effectiveness documentation. The setting is based on the “PRN Documentation” site parameter, and applies to current admissions or to the site parameter timeframe (whichever is greater). A mouse-over list displays when the pointer is placed over the PRN Effectiveness Activity, or a full list is available by double clicking on the Activity.

Glossary

Example: Alphabetical Listing of BCMA Acronyms and Terms

Acronym/Term	Definition
CHUI	Character-based User Interface.
Clinician	VAMC personnel who administer active medication orders to patients.
Completed	This status for an IV bag indicates that the infusion has been completed, and the bag is being taken down or replaced with a new bag. No additional actions may be taken on a bag marked as "Completed," other than to enter comments.
Continuous Order	A medication given continuously to a patient for the life of the order, as defined by the order Start and Stop Date/Time.
Cover Sheet	An optional tab on the VDL that provides four alternate user-selectable views of medication data related to the selected patient, and allows the user to drill down to view additional data. The Cover Sheet displays information by order, instead of by administration, as is displayed on the Medication Tabs, and does not allow the user to edit or take action against a patient record.
Cumulative Vitals/ Measurement Report	A report that lists a patient's vitals from the Vitals package, along with their demographics and hospital location information
CPRS	Computerized Patient Record System. A <i>VISTA</i> software application that allows users to enter patient orders into different software packages from a single application. All pending orders that appear in the Unit Dose and IV packages are initially entered through the CPRS package. Clinicians, managers, quality assurance staff, and researchers use this integrated record system.
CPRS Med Order Button	Also called the "Hot Button," a direct link to CPRS for electronically ordering, documenting, reviewing and signing verbal- and phone-type STAT and medication orders that a clinician has already administered to patients. This feature is particularly useful in ICU-type environments, as it helps to streamline the workflow in such a busy setting.
Dispensed Drug	A drug whose name has the strength associated with it (e.g., Acetaminophen 325 mg). The name without the strength is called the "Orderable Item Name."
Due List Report	A report that provides detailed information about active <i>and</i> future Unit Dose and IV medication orders that are "due" for administering to a patient during a time frame that you specify within a 24-hour period.
Electronic Signature Code	Authorizes that you are the user logged in to BCMA. This code is a site parameter setting in GUI BCMA.
Finish	The process in which the pharmacist adds the information necessary to make the order active. For example: dispense drug, and start/stop date.
Frequency	Intervals between medication doses administered to a patient.
Given	When a medication is administered to a patient, it is considered to be "Given" and marked as such (with a "G") in the Status column of the VDL.
GUI	Graphical User Interface. The type of interface chosen for BCMA.

Glossary

Example: Alphabetical Listing of BCMA Acronyms and Terms

Acronym/Term	Definition
Held	When a medication is not actually taken by a patient, it is considered to be “Held” and marked as such (with an “H”) in the Status column of the VDL. Reasons might include the patient being temporarily off the ward. You can select and mark multiple medications as Held on the VDL using the Right Click drop-down menu. In the case of IV bags, this status indicates that the dose was Held. The only actions available for this type of IV bag are to mark the bag as Infusing or Refused, or to submit a Missing Dose Request to the Pharmacy.
Provider Hold	To display a medication order grayed out on the VDL until its Stop Date/Time or until it is Given. Some medical centers require that a nurse mark these order types as “Held,” although it is <i>not</i> necessary that they do so.
Hospital-supplied Self Medication	Also called “HSM,” a medication supplied to a patient by a VAMC’s Pharmacy, but administered by a patient.
HSM	Hospital-supplied Self Medication. A medication supplied to a patient by a medical center’s Pharmacy, but administered by a patient.
IEN	Internal Entry Number. The internal entry drug number entered by Pharmacy personnel into the DRUG file (#50) to identify Unit Dose and IV medications.
Inactive Date	The date that a medication order is no longer active and cannot be administered to a patient.
Infusing	This status, for an IV bag, indicates that the bag is actively being infused. A nurse can enter a comment by right clicking on the bag. If an IV bag is scanned, the only allowable actions are to mark the IV bag as Stopped or Completed.
Infusion Rate	The flow rate at which medication (fluid) in an IV Bag is given to a patient.
Injection Site History	To assist in rotating injection sites where applicable, the Injection Site History summarizes the previous injection site for the orderable item (up to 4) and all injection sites within the time frame (nn), specified by the BCMA Site Parameter, “Injection Site History Max Hours.” The default is 72 hours.
Internal Entry Number	Also called “IEN,” the internal entry drug number entered by Pharmacy personnel into the DRUG file (#50) to identify Unit Dose and IV medications.
IHS	Indian Health Service
IV	A medication given intravenously (within a vein) to a patient from an IV Bag. IV types include Admixture, Chemotherapy, Hyperal, Piggyback, and Syringe.
IVP	Also called “IV Push,” a Unit Dose order with a Medication Route of “IVP” or “IV PUSH.”
IVPB	Also called “IV Piggyback,” an IV order with an IV type of Piggyback.
IV Bag Chronology	On the IV Medication Tab, the area of the VDL that displays the components (with related icons) for all displayable IV bags or Ward Stock bags.
IV Bag Detail	Provides detailed information about the actions taken on the IV bag or Ward Stock bag identifier currently selected in the IV Bag Chronology display area such as the date/time, clinician, action, and comments.

Glossary

Example: Alphabetical Listing of BCMA Acronyms and Terms

Acronym/Term	Definition
Last Action Column	Based on the orderable item (<i>not</i> the medication), to identify to the nurse the last action that occurred on the active medication displayed.
Last Site Column	On the Unit Dose and IVP/IVPB tabs of the VDL, the Last Site column displays the location of the last injection site for the orderable item, when applicable. Applies to administrations that participate in injection site rotation, i.e., with medication routes of Intramuscular, Intradermal, or Subcutaneous.
Limited Access BCMA	A mode in which BCMA can be accessed that provides medication administering users the ability to access the BCMA application without being at the patient's bed side. Active, discharged, and deceased patient records can be opened in Limited Access mode without scanning or using Unable to Scan.
MAH	Medication Administration History. A patient report that lists a clinician's name and initials, and the exact time that an action was taken on an order (in a conventional MAR format). Each order is listed alphabetically by the orderable item. The Date column lists three asterisks (***) to indicate that a medication is not due. The report also lists information about when an order is placed "On Hold" and taken "Off Hold" by a provider, and the order Start and Stop Date/Time for the medication.
MAR	Medication Administration Record. The traditional, handwritten record used for noting when a patient received a medication. BCMA replaces this record with an MAH.
Medication Administration History Report	Also called "MAH," Medication Administration History. A patient report that lists a clinician's name and initials, and the exact time that an action was taken on an order (in a conventional MAR format). Each order is listed alphabetically by the orderable item. The Date column lists three asterisks (***) to indicate that a medication is not due. The report also lists information about when an order is placed "On Hold" and taken "Off Hold" by a provider, and the order Start and Stop Date/Time for the medication.
Medication History Report	A report in BCMA that lists the date, time, and orderable item of a medication selected on the VDL. This report is called "Administration History Report" in CPRS.
Medication Log Report	Also called "Med Log," a report that lists every action taken on a medication order within a specified 24-hour period. You can choose to include/exclude comments and Audits performed on the patient's medication orders.
Medication Order Display Area	The area of the VDL that displays active medication orders, scheduled for administration, according to the Virtual Due List Parameters and Schedule Types selected.
Medication Route	Also called "Route" or "Med Route," the method by which a patient receives medication (i.e., PO, IV, IM, ID, SQ, and SC). Each VAMC determines routes and associated abbreviations, which cannot exceed five characters in length. Otherwise they will <i>not</i> fit on bar code labels and the MAH.

Glossary

Example: Alphabetical Listing of BCMA Acronyms and Terms

Acronym/Term	Definition
Medication Tab	Used to separate and view a type of active medication order (i.e., Unit Dose IV Push, IV Piggyback, and large-volume IVs) that needs to be administered to a patient. The Tab under which an order displays depends on how it was entered. The “alert light” on a Tab turns GREEN <i>only</i> when a medication order exists for the Schedule Type selected within the respective start/stop date and time selected on the BCMA VDL. If grayed out, then none exist.
Medication Variance Log Report	A report in BCMA that provides “exceptions” (variances) to the medication administration process. It also lists “event” information within a selected date range, such as the type and number of events, and the total percentage of events that occurred. A variance preceded by a minus sign (such as –24) indicates the number of minutes that a medication was given before the administration time.
Missing Dose	A medication considered “Missing.” BCMA automatically marks this order type (with an “M”) in the Status column of the VDL after you submit a Missing Dose Request to the Pharmacy. If an IV bag displayed in the IV Bag Chronology display area of the VDL is <i>not</i> available for administration, you may mark the IV bag as a “Missing Dose” using the Missing Dose button or by right clicking the IV bag and selecting the Missing Dose command in the Right Click drop-down menu.
Missed Medications Report	A report that lists information about Continuous and One-Time Unit Dose and IV Piggyback medications that were <i>not</i> administered to a patient.
National Drug Code	Also called “NDC,” the number assigned by a manufacturer to each item/medication administered to a patient.
NDC	National Drug Code. The number assigned by a manufacturer to each item/medication administered to a patient.
Non-Nurse Verified	Medication orders that are not verified by a nurse.
Not Given	The status that a scanned medication marked as “Given,” but <i>not</i> actually taken by a patient, is changed to on the VDL. The administration will display on the VDL as it appeared <i>before</i> it was marked as “Undo–Given.” BCMA notes the status change only in the Audit Trail section of the Medication Log (<i>not</i> on the VDL).
NOW Order	A medication order given ASAP to a patient, entered as a One-Time order by Providers and Pharmacists. This order type displays for a fixed length of time on the VDL, as defined by the order Start and Stop Date/Time.
Order	A medication order given ASAP to a patient, entered as a One-Time order by providers and pharmacists. This order type displays for a fixed length of time on the VDL, as defined by the order Start and Stop Date/Time.
On-Call Order	A specific order or action dependent upon another order or action taking place <i>before</i> it is carried out. For example, “Cefazolin 1gm IVPB On Call to Operating Room.” Since it may be unknown when the patient will be taken to the operating room, the administration of the On-Call Cefazolin is dependent upon that event.
One-Time Order	A medication order given one time to a patient such as a STAT or NOW a order. This order type displays for a fixed length of time on the VDL, as defined by the order Start and Stop Date/Time or until it is Given.

Glossary

Example: Alphabetical Listing of BCMA Acronyms and Terms

Acronym/Term	Definition
Orderable Item	A drug whose name does NOT have the strength associated with it (e.g., Acetaminophen 325 mg). The name with a strength is called the "Dispensed Drug Name."
Patient Record Flag	Also called "PRF" or "Patient Flag." The Patient Record Flag alerts VHA employees to patients whose behavior or characteristics may pose a threat either to their safety, the safety of other patients, or compromise the delivery of quality health care.
Patient Record Flag Report	A report that displays all active PRF assignments associated with a patient. Applicable National (Category I) and Local (Category II) flag types are displayed.
Patient Transfer Notification	A message that displays when a patient's record is opened or the Unit Dose or IVP/IVPB Medication Tab is viewed for the first time. It indicates that the patient has had a movement type (usually a transfer) within the site-definable parameter, and the last action for the medication occurred before the movement, but still within the defined timeframe.
Pending Order	An order entered by a provider through CPRS without Pharmacy personnel verifying the order.
PRF	The abbreviation for Patient Record Flag . See definition under "Patient Record Flag."
PRN Effectiveness List Report	A report that lists PRN medications administered to a patient that needs Effectiveness comments.
PRN Order	The Latin abbreviation for Pro Re Nata . A medication dosage given to a patient on an "as needed" basis.
Provider	Another name for the "Physician" involved in the prescription of a medication (Unit Dose or IV) to a patient.
PSB CPRS MED BUTTON	The name of the security "key" that must be assigned to nurses who document verbal- and phone-type STAT and medication orders using the CPRS Med Order Button on the BCMA VDL.
PSB INSTRUCTOR	The name of the security "key" that must be assigned to nursing instructors, supervising nursing students, so they can access user options within BCMA V. 3.0.
PSB MANAGER	The name of the security "key" that must be assigned to managers so they can access the PSB Manager options within BCMA V. 3.0.
PSB READ ONLY	The name of the security "key" that must be assigned to users that can only access BCMA in Read-Only mode. Users who are assigned the PSB READ ONLY security key will never be able to administer medications or perform any actions against a patient's medical record. The PSB READ ONLY security key overrides all other BCMA security keys.
PSB STUDENT	The name of the security "key" that must be assigned to nursing students, supervised by nursing instructors, so they can access user options with BCMA V. 3.0. This key requires that a nursing instructor sign on to BCMA V. 3.0.
PSB UNABLE TO SCAN	The name of the security "key" that must be assigned to allow the user to run the Unable to Scan detailed and summary reports.

Glossary

Example: Alphabetical Listing of BCMA Acronyms and Terms

Acronym/Term	Definition
Read-Only BCMA	A mode in which BCMA can be accessed that provides non-medication administering users the ability to view a patient's VDL and print reports, without performing any actions against a patient's medical record.
Refused	The status for an IV bag or Unit Dose to indicate that the patient refused to take the dose.
Removed	The status for a patch (i.e., Nitroglycerin, Fentanyl, or Nicotine) to indicate that it has been removed from a patient. Once removed, the letters "RM" (for "Removed") display in the Status column of the VDL.
Schedule	The frequency at which a medication is administered to a patient. For example, QID, QDAILY, QAM, Q4H.
Schedule Type	Identifies the type of schedule (i.e., Continuous, PRN, On-Call, and One-Time) for the medication being administered to a patient.
Schedule Type Indicator	A GREEN "alert light" indicates that a medication order exists for the Schedule Type selected within the respective start/stop date and time selected on the BCMA VDL. If grayed out, then none exist.
Security Keys	Used to access specific options within BCMA that are otherwise "locked" without the security key. Only users designated as "Holders" may access these options.
SM	Self Medication. A medication supplied <i>and</i> administered by a patient.
Solution	A homogeneous mixture of two or more substances. For IVs, these would be liquids.
Start Date/Time	The date and time that a medication is scheduled for administration to a patient.
STAT Order	A medication order given immediately to a patient, entered as a One-Time order by providers and pharmacists. This order type displays for a fixed length of time on the VDL, as defined by the order Start and Stop Date/Time.
Status	A code used to inform a clinician about the condition or progress of a medication order. For Unit Dose and IVP/IVPB orders, status codes include G=Given, H=Held, R=Refused, M=Missing, and RM=Removed (patch removal only). For IV orders, status codes include I=Infusing, H=Held, R=Refused, S=Stopped, C=Completed, and M=Missing.
Status Bar	Includes the name of the clinician(s) administering medications, plus the name of the division, and the time current Server time (system time).
Stop Date/Time	The date and time that a medication order will expire, and should no longer be administered to a patient.
Stopped	This status, for an IV bag, indicates that the IV bag was scanned as Infusing, but was then stopped by a nurse. An IV bag may be stopped and restarted for a variety of reasons. The only actions allowed on a "Stopped" IV bag is to mark the bag as Infusing, Completed, Held, or Refused.

Glossary

Example: Alphabetical Listing of BCMA Acronyms and Terms

Acronym/Term	Definition
Strength	The degree of concentration, distillation, or saturation of a medication.
Unable to Scan (Detailed) Report	A report in BCMA that provides a list of scanning failures and the reasons that were provided for the scanning failures of patient wristbands and medication administrations.
Unable to Scan (Summary) Report	A report in BCMA that provides the total number of wristbands scanned, wristbands bypassed, medications scanned, and medications bypassed.
Unique Identifier Number	The number generated for IV and IV Piggyback medications when the Pharmacy prints a bar code label for an IV bag. It helps to identify which IVs have been manufactured by the Pharmacy. For IV Piggyback orders, use the Available Bags command in the Right Click drop-down menu. For IV orders, locate it in the IV Bag Chronology display area of the VDL.
Unit Dose	A medication given to a patient, such as tablets or capsules.
Unknown Status	If an order created in BCMA CHUI Manual Medication Entry is not completed with a valid administration status, the Admin Status will be stored as null (blank), but will display as “U” (unknown) in the BCMA VDL Status column and “Unknown” in the Last Action column. An Unknown administration status must be corrected using Edit Med Log. The unknown (null) status can occur during Manual Medication Entry when the user’s network connection is broken, their terminal emulator software malfunctions, or if the user improperly exits out of the application.
Verify	When a nurse or a pharmacist confirms that a medication order is accurate and complete, according to the information supplied by the provider.
VDL	Virtual Due List. An on-line “list” used by clinicians when administering active medication orders (i.e., Unit Dose, IV Push, IV Piggyback, and large-volume IVs) to a patient. This is the Main Screen in BCMA.
Virtual Due List	Also called “VDL,” an on-line list used by clinicians when administering active medication orders to a patient. This is the Main Screen in BCMA.
Ward Stock	Unit Dose and IV medications that are “stocked” on an ongoing basis on wards and patient care areas. They are packaged in a ready-to-use form or compounded by the medication administrator.