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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:

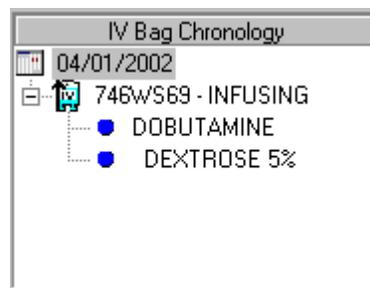
A Ward Stock Number displays on the VDL with the letters "WS" *only* after you scan the related Additives and Solutions. See first Example on this page.

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 mark a large-volume IV or continuous syringe medication with the following status:

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

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 (58), Height = *, Weight = *, Location = 7A GEN MED 724 A. The 'Flag' is set to 'Red'. The 'Virtual Due List Parameters' show Start Time: 08/17@0700 and Stop Time: 08/17@1000. The 'Schedule Types' are set to 'Continuous' and 'One-Time'. The 'ALLERGIES' section lists: latex, strawberries. ADRs: No ADRs on file.

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 DEXTRROSE 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@0801 STOPPED bag on changed order

The 'IV Bag Chronology' section shows 'No Order Selected.' and the 'IV Bag Detail' section shows 'No Bag Selected.'

At the bottom, the 'Scanner Status' is 'Ready' with a green indicator. The 'BCMA Clinical Reminders' section shows a count of 2 and activity for PRN Effectiveness. The server time is 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: File, View, Reports, Due List, Tools, Help. Below the menu bar, there are tabs for Missing Dose, Medication Log, Medication Admin History, Allergies, CPRS, Med Order, and Flag. The main display area is divided into several sections:

- Patient Information:** BCMAPATIENT_ONE (MALE), SSN = 000-00-9678, DOB = 9/2/1947 (61), Height = *, Weight = *, Location = 7A GEN MED 724-A.
- Virtual Due List Parameters:** Start Time: 11/13@0800, Stop Time: 11/13@1800.
- Schedule Types:** Continuous, On-Call, PRN, One-Time.
- Allergies:** latex, strawberries. ADRs: No ADRs on file.
- Medication Table:**

Status	Ver	Type	Medication/Solutions	Infusion Rate	Route	Bag Information
Active	****	Admixture	CEPHAPIRIN INJ CEPHAPIRIN 200 GM DEXTROSE 10% 1000 ML <i>take as directed</i>	30 ml/hr.	INTRAVEN...	
Active	****	Admixture	FUROSEMIDE INJ.SOLN FUROSEMIDE 200 MG DEXTROSE 10% 1000 ML <i>be cautious when administering</i>	30 ml/hr.	INTRAVEN...	
Active	****	Admixture	CEFAZOLIN INJ CEFAZOLIN 300 GM DEXTROSE 10% 1000 ML	60 ml/hr.	INTRAVEN...	
- IV Bag Chronology:** A list of IV bags with expandable icons. The selected bag is 742V18 - INFUSING, containing CEPHAPIRIN and DEXTROSE 10%.
- IV Bag Detail:** A table showing the details of the selected IV bag.

Date/Time	Nurse	Action	Comments
11/13/2008@1329	DBN	INFUSING	

Annotations on the screenshot include:

- An arrow pointing to the Medication/Solutions column in the table, labeled "VDL lists Orderable Item, Additive, and Solution".
- An arrow pointing to the expandable icon for the selected IV bag, labeled "Select order to display available bags".
- An arrow pointing to the date "11/13/2008" in the IV Bag Chronology, labeled "Action date".
- An arrow pointing to the expandable icon for the selected IV bag, labeled "Click to display bag contents".
- An arrow pointing to the "INFUSING" action in the IV Bag Detail table, labeled "Action taken on an IV bag".
- An arrow pointing to the "INFUSING" action in the IV Bag Detail table, labeled "Bag Information identifies an action of Infusing or Stopped, and when an order has been changed.".
- An arrow pointing to the contents of the selected IV bag, labeled "Contents of an IV bag".
- An arrow pointing to the IV Bag Detail table, labeled "Information displays here when an IV bag is selected in the IV Bag Chronology display area".

At the bottom of the interface, there are buttons for Cover Sheet, Unit Dose, IVP/VPB, and IV. A Scanner Status section shows "Ready" and an "Enable Scanner" button. A BCMA Clinical Reminders table shows a count of 1 for PRN Effectiveness. The bottom status bar displays BCMANURSE_ONE, ISC REGION 3, and Server Time: 11/13/2008 13:30.

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.

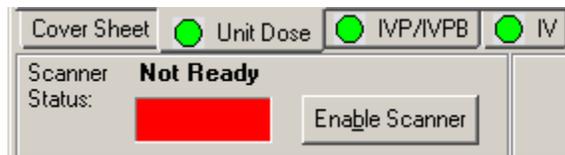
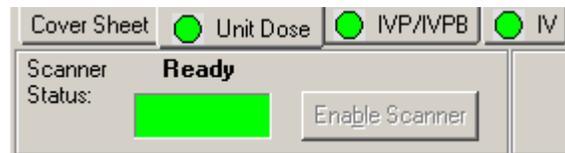
Now you are ready to scan (and verify) the patient's active IV bags to officially begin the medication administration process.

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 167.

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 Rate	Route	Bag Information
Active	***	Admixture	CEFAZOLIN INJ CEFAZOLIN 200 GM DEXTRROSE 10% 1000 ML	30 ml/hr,	INTRAVENOUS	
Active	***	Admixture	OXACILLIN INJ OXACILLIN 100 GM DEXTRROSE 10% 1000 ML	40 ml/hr,	INTRAVENOUS	INFUSING: 11/4/2008@2133

Context Menu Options:

- Display Order F4
- Unable to Scan
- Unable to Scan - Create WS
- Med History

IV Bag Chronology:

- 11/20/2008
 - 739V261 - AVAILABLE
 - 739V259 - AVAILABLE
- 11/4/2008
 - 739V263 - INFUSING
 - OXACILLIN
 - DEXTRROSE 10%
 - 739WS240 - COMPLETED
 - 739WS230 - COMPLETED

IV Bag Detail:

Date/Time	Nurse	Action	Comments
No Bag Selected.			

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

- If an Error message indicates that the Unique Identifier number was not located, see page 161.
- If an Error message indicates that no order exists for the medication that you just scanned, see page 162.
- If no bags are available for the medication displayed on the BCMA VDL, see page 163.
- If IV Parameters fields set to “Warning” and a field is edited in Inpatient Medications V. 5.0, see page 164.

Administering IV Bags with Unique ID Number

Scanning and Verifying Medication Information (cont.)

➤ 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.

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

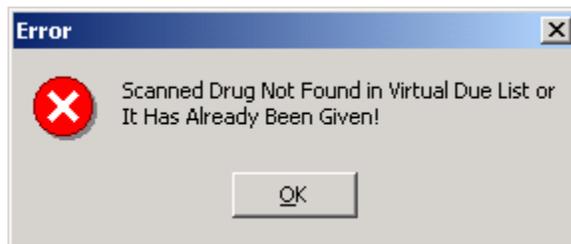
The Error message, provided below, displays if the patient does not have an order for the medication that you just scanned.

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.)

- 3 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

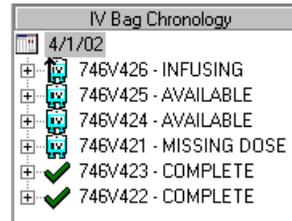
**THEN —
(See Next Page)**

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

The screenshot shows the 'Bar Code Medication Administration - v3.0.28.58' application window. At the top, there are menu options: File, View, Reports, Due List, Tools, Help. Below the menu is a navigation bar with tabs: Missing Dose, Medication Log, Medication Admin History, Allergies, CPRS Med Order, and Flag. The main area displays patient information for 'BCMAPATIENT_ONE (MALE)' with SSN, DOB, Height, and Weight. A 'Virtual Due List Parameters' section shows start and stop times for 10/27/2008. Below this, an 'ALLERGIES' section lists 'latex, strawberries' and 'ADRs: No ADRs on file'. A table lists active medication orders with columns for Status, Ver, Type, Medication/Solutions, Infusion Rate, Route, and Bag Information. The second row is highlighted, and a context menu is open over it, showing options: Display Order (F4), Unable to Scan, Unable to Scan - Create WS, and Med History. At the bottom, there are two panes: 'IV Bag Chronology' showing a list of bags for 10/27/2008 and 10/14/2008, and 'IV Bag Detail' showing 'No Bag Selected.'

- 2 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: 30 ml/hr
Units Per Dose: N/A
Last Action: *** - See Bag Information Column on the VDL
Bag ID: N/A
Medication Route: INTRAVENOUS
Other Print Info: be cautious when administering

Dispensed Drugs/Medications/Solutions:

Name
FUROSEMIDE 200 MG
DEXTROSE 10% 1000 ML

Unable to Scan Reason

Reason: [Dropdown]
Enter a Comment (Optional): (150 Characters Maximum)
[Text Field]
Click OK to Continue
[OK] [Cancel]

- 3 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

Reason: [Dropdown]
Enter a Co [Text Field]
[List Box]
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.)

- 4 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 'Medication Verification' dialog box. It has a title bar with the text 'Medication Verification' and standard window controls. There are two radio buttons: 'Verify Medication' (which is selected) and 'Verify Five Rights'. Under the 'Verify Medication' section, there is a text input field containing the number '742V14' and a 'Submit' button. Below the input field is a large, empty rectangular area with a vertical scrollbar. Under the 'Verify Five Rights' section, there are five checkboxes: 'Right: Patient', 'Right: Medication', 'Right: Dose', 'Right: Route', and 'Right: Time', all of which are unchecked. At the bottom of the dialog are 'OK' and 'Cancel' buttons.

- 5 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 letters, spaces or punctuation marks are allowed.

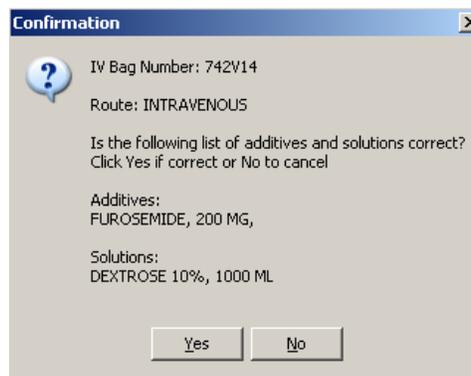
Administering a Patient's IV Medications

Unable to Scan IV Medication (cont.)

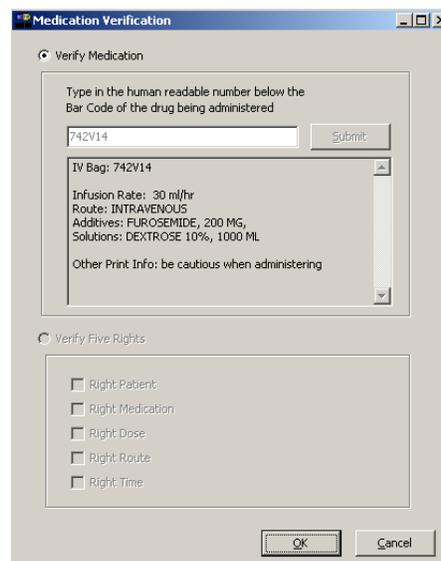
To administer an IV medication using Unable to Scan (cont.)

- 6 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.

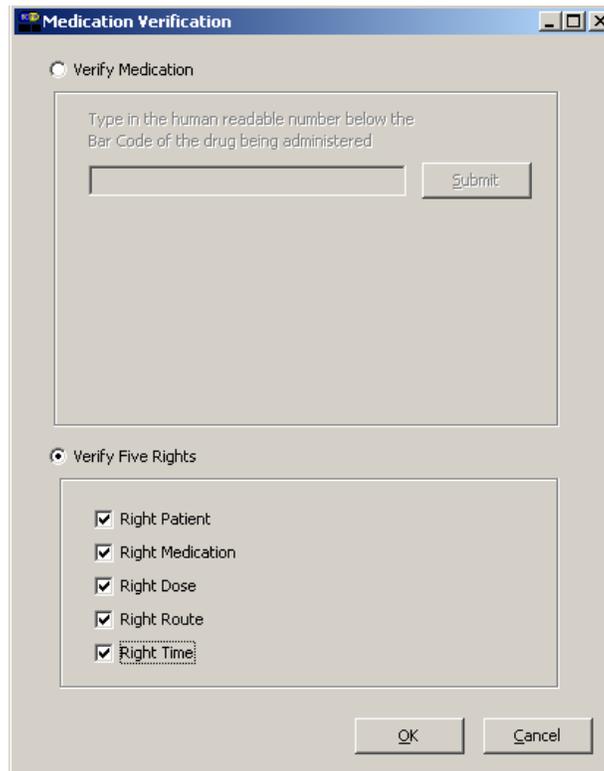
Note: This option is only available if the Five Rights Override Parameter is enabled for IV medications in the BCMA Site Parameters application. If the Five Rights Override parameter is turned off, you will not be able to administer the medication. Refer to your site policies regarding how to contact 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 image shows a 'Medication Verification' dialog box. It has a title bar with the text 'Medication Verification' and standard window controls. The dialog is divided into two sections. The first section is titled 'Verify Medication' and contains a text input field with the placeholder text 'Type in the human readable number below the Bar Code of the drug being administered' and a 'Submit' button. The second section is titled 'Verify Five Rights' and contains five checked checkboxes: 'Right Patient', 'Right Medication', 'Right Dose', 'Right Route', and 'Right Time'. At the bottom of the dialog are 'OK' and 'Cancel' buttons.

- 7 Review the contents of the Medication Verification dialog box and click **OK**.
- 8 If applicable, the Other Print Info box displays. Review the Information message and click **OK** to continue.

Example: Other Print Info Box



The image shows an 'Information' dialog box. It has a title bar with the text 'Information' and a close button. The dialog contains an information icon (a lowercase 'i' in a blue circle) and the text 'be cautious when administering'. At the bottom are 'OK' and 'Cancel' buttons.

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

Scan IV

Bag Information
Current Bag Status: AVAILABLE
IV Bag Number: 742V14
Medication Route:
INTRAVENOUS

Medication/Solutions:
FUROSEMIDE 200 MG
DEXTROSE 10% 1000 ML

Order Changes

Enter a Comment: (150 Characters Maximum)

Select an Action: Infusing

Select an Injection Site:

OK Cancel

Example: Injection Site Selection Dialog Box

Abdomen

Abdomen

Arm

HEP LOCK

IV

IV/LOCK

Left Arm

Left Hand

Left Leg

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

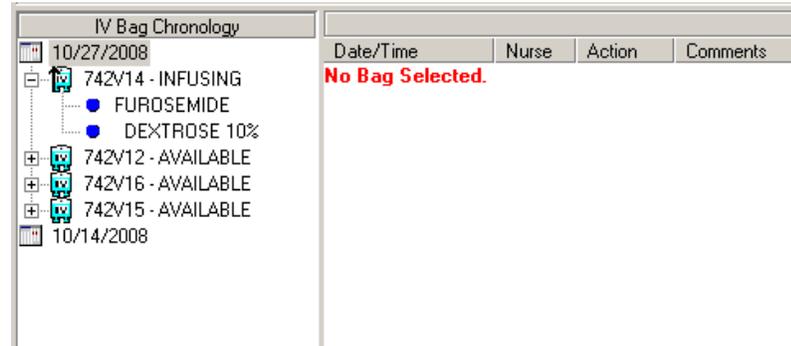
Administering a Patient's IV Medications

Unable to Scan IV Medication (cont.)

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

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

Example: IV Bag Chronology



IV Bag Chronology		Date/Time	Nurse	Action	Comments
10/27/2008	742V14 - INFUSING				No Bag Selected.
	• FUROSEMIDE				
	• DEXTROSE 10%				
	742V12 - AVAILABLE				
	742V16 - AVAILABLE				
	742V15 - AVAILABLE				
10/14/2008					

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."



TIP:

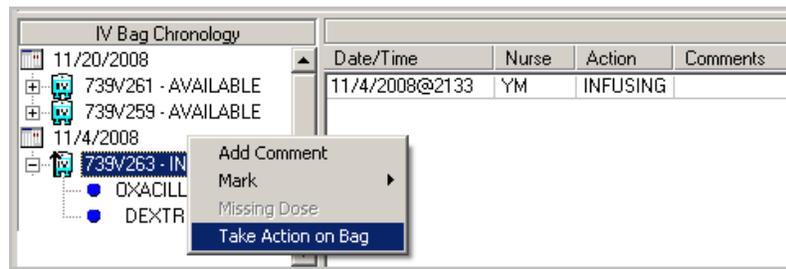
Marking an IV medication as "Stopped" is particularly helpful when a patient needs lab work completed. Then you can scan it again and mark it as "Infusing."

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

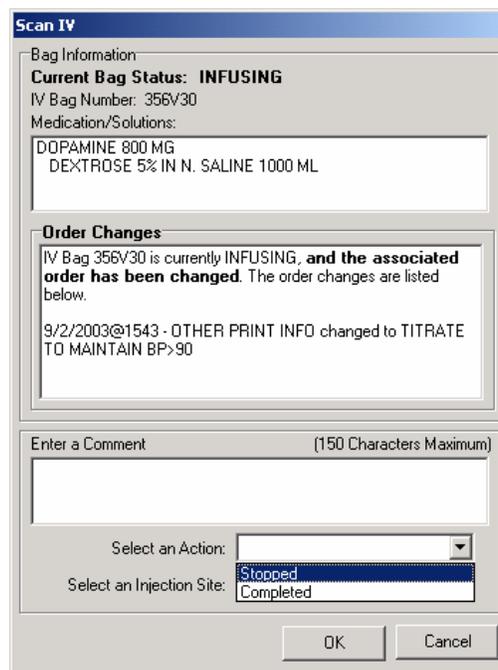
To change the status of an IV bag from the Pharmacy

- 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



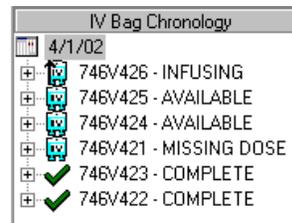
Administering IV Bags with Unique ID Number

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 “Stopped” or “Complete” in the IV Bag Chronology display area of the BCMA VDL.

Example: IV Bag Marked As Complete 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:

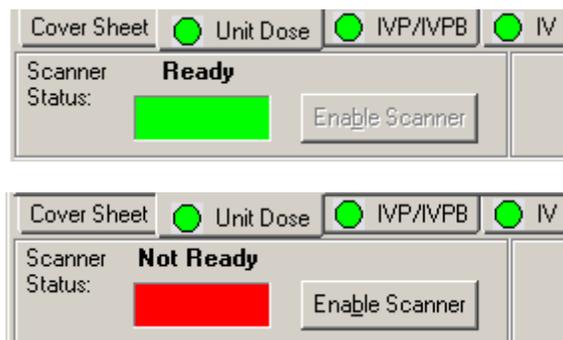
You do *not* have to select a medication order on the VDL, for a Ward Stock Item, before scanning the IEN on the Item.

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 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 182.
- 3 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

DEXTROSE 5% 1000ML INJ.

Continue scanning each additive and/or solution only once. When finished, click OK to search for an order on the Virtual Due List.
If Unable to Scan, type the bar code number for each component, pressing [Enter] after each entry. When typing a bar code, enter numeric values only (omit non-numeric characters).

Scanner Status: **Ready** Scan Bar Code: 627

OK Cancel

- 4 When finished scanning the related Additives and Solutions, click **OK**. BCMA processes the information, 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.

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

Multiple Orders for Scanned Drug

Orderable Item: DEXTROSE/SALINE INJ.SDLN

Select One Order

Status	Ver	Type	Medication/Solutions	Infusion Rate	Route	Bag Information
Active	***	Admixture	DEXTROSE/SALINE INJ.SDLN DEXTROSE 5% IN N. SALINE 1000 ML	300 ml/hr.	IV	
Active	***	Admixture	DEXTROSE/SALINE INJ.SDLN DEXTROSE 5% IN N. SALINE 1000 ML	200 ml/hr.	IV	

OK Cancel

Administering Ward Stock Items

Scanning and Verifying Medication Information (cont.)

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

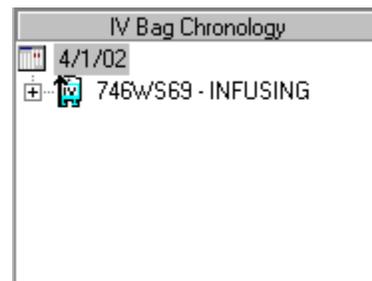
- 5 Select the order related to the Additives and Solutions that you just scanned, and then click **OK**. The Injection Site Selection dialog box displays.

Example: Injection Site Selection Dialog Box



- 6 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



- 7 Write the Ward Stock Unique Identifier Number on the bag to identify the order related to its contents.
- 8 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 command from either the right-click or the Due List menu.

Example: Unable to Scan Right Click Option

- 2 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.

Note: If a bag is currently Infusing for this order, the Confirmation Box displays, allowing you to complete the current bag before infusing the next bag. Click **Yes** to go to the Scan IV dialog box in order to complete the infusing bag and infuse the next bag via Unable to Scan. Click **No** to return to the VDL, leaving the currently infusing bag in place.

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

- 3 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

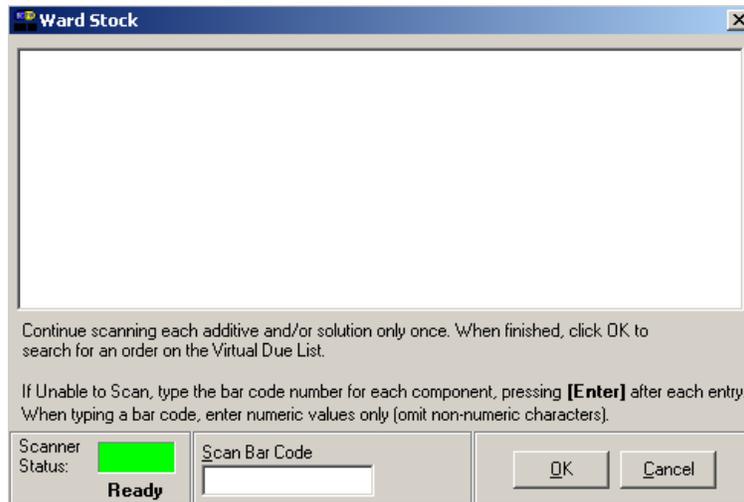
Administering Ward Stock Items

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

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

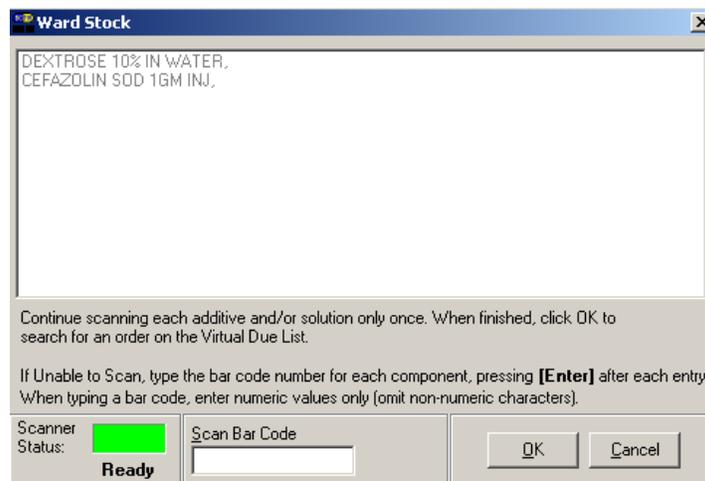
- 4 You may enter an optional text comment. Click **OK**. The Ward Stock dialog box displays. If you click **Cancel**, the “Order Administration Cancelled” message displays.

Example: Ward Stock Dialog Box



- 5 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

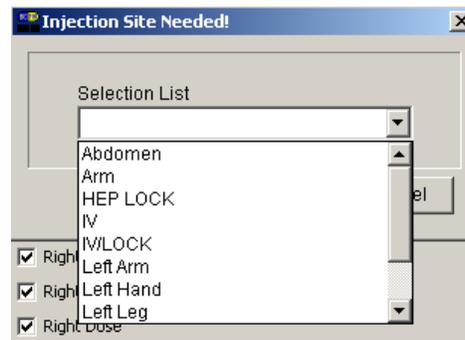
Unable to Scan IV Medication – Ward Stock (cont.)

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.

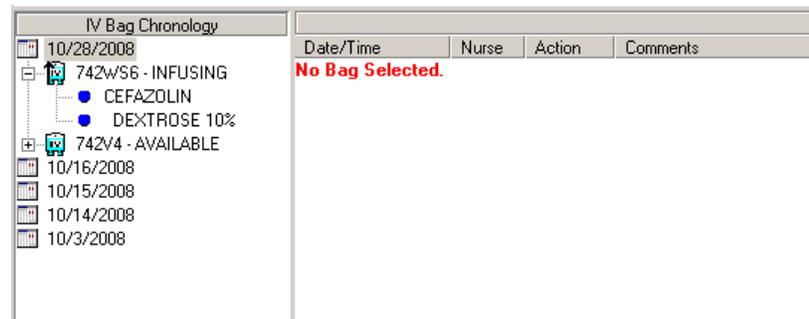
- Click **OK**. BCMA processes the information, searches for a “match” (order) on the BCMA VDL. The Injection Site Selection dialog box displays.

Example: Injection Site Selection Dialog Box



- In the Injection Site Selection drop-down list box, select the location where you are injecting the medication into the patient.
- 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.”

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: 748WS9
Medication/Solutions:
DEXTROSE 5% IN N. SALINE 1000 ML

Order Changes

Enter a Comment (150 Characters Maximum)

Select an Action: [Dropdown]
Select an Injection Site: Stopped, 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.)



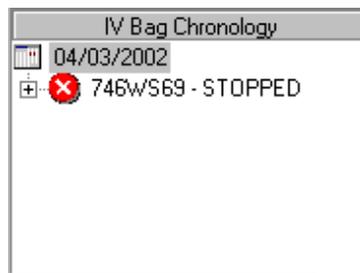
TIP:

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 "Stopped" or "Complete" 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 Special Instructions



TIP:

Special Instructions help 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 Special Instructions in a Pop-up box after a nurse scans a medication. If the Pharmacy answers “NO” to the question, the Special Instructions *only* display in **RED** below the dispensed drug name in the Medication Order Display Area. You must acknowledge the message after administering the medication.

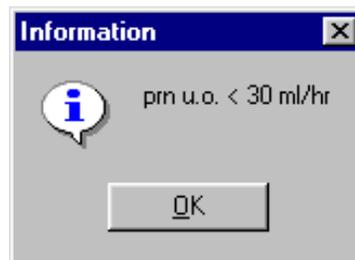
The Special Instructions may include those provided below, or they could even include the sliding scale range written by the provider. That way, you know how much insulin to administer to the patient, based on the patient's blood sugar level.

To review Special Instructions 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.

Example: Special Instructions Pop-up Boxes



- 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

The screenshot shows the 'Scan IV' application window. It contains the following elements:

- Bag Information:**
 - Current Bag Status: **AVAILABLE**
 - IV Bag Number: 748V114
 - Medication/Solutions: DEXTROSE 5% IN N. SALINE 1000 ML
- Order Changes:** An empty rectangular area.
- Enter a Comment:** A text input field with a '(150 Characters Maximum)' label.
- Select an Action:** A dropdown menu currently set to 'Held'.
- Select a Reason:** A dropdown menu currently set to 'Vomiting'. A list of reasons is displayed below it:
 - Blood Pressure Out of Range
 - Blood Sugar Out of Range
 - Lab Out of Range
 - NPO
 - Patient Off Ward
 - Provider Hold
 - Vomiting (highlighted)

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.)

- 4 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



- 5 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: PROLEUKIN INJ

Dispensed Drug:

Special Instructions:

Message

Add Comment

Enter a Comment (150 Characters Maximum)

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

Date/Time	Nurse	Action	Comments
7/31/2008@0843	OBN		Patient complained of slight nausea
7/29/2008@1535	YM	COMPLE...	
7/18/2008@1255	YM	INFUSING	

- 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

Activity Date	Orderable Item	Action	Action	Drug/Additive/Solution	U/Ord	U/Ovn	Unit
08/05/04 10:38	DOPAMINE (TIIRATER) IV Inj	DD	08/05/04 10:38				
0/5/04 10:30				Bag ID #700V20 DOPAMINE - 000 MG DEXTROSE 5% IN N SALINE - 1000 ML	NA	NA	NA
6/1/05 10:31	Comments: 08/12/04 12:43 DD Add comments about the infusing, Stopped, or Completed IV bag here.						

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

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 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 word “Missing” 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. The Missing Dose Request dialog box displays.

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: 7A GEN MED
- Ordered Drug: CORTISPORIN OPTH OINT
- Dosage: 1ml
- Administration Time: 08/01@1800
- Date@Time Needed: (empty)
- Reason: (dropdown menu)
- Buttons: Submit, Cancel

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, 2004, 01 MAY 04, 5/01/04, 050104
- 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
CORTISPORIN OPTH OINT

Dosage
1ml

Administration Time
08/01@1800

Date@Time Needed

Reason
Not Available
Dropped
Empty Package
Not Available
Wrong Dose/Drug Delivered

Administering a Patient's IV Medications

Submitting a Missing Dose Request (cont.)

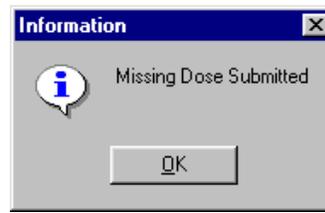
To submit a Missing Dose Request (cont.)

- 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.

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.”



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.

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

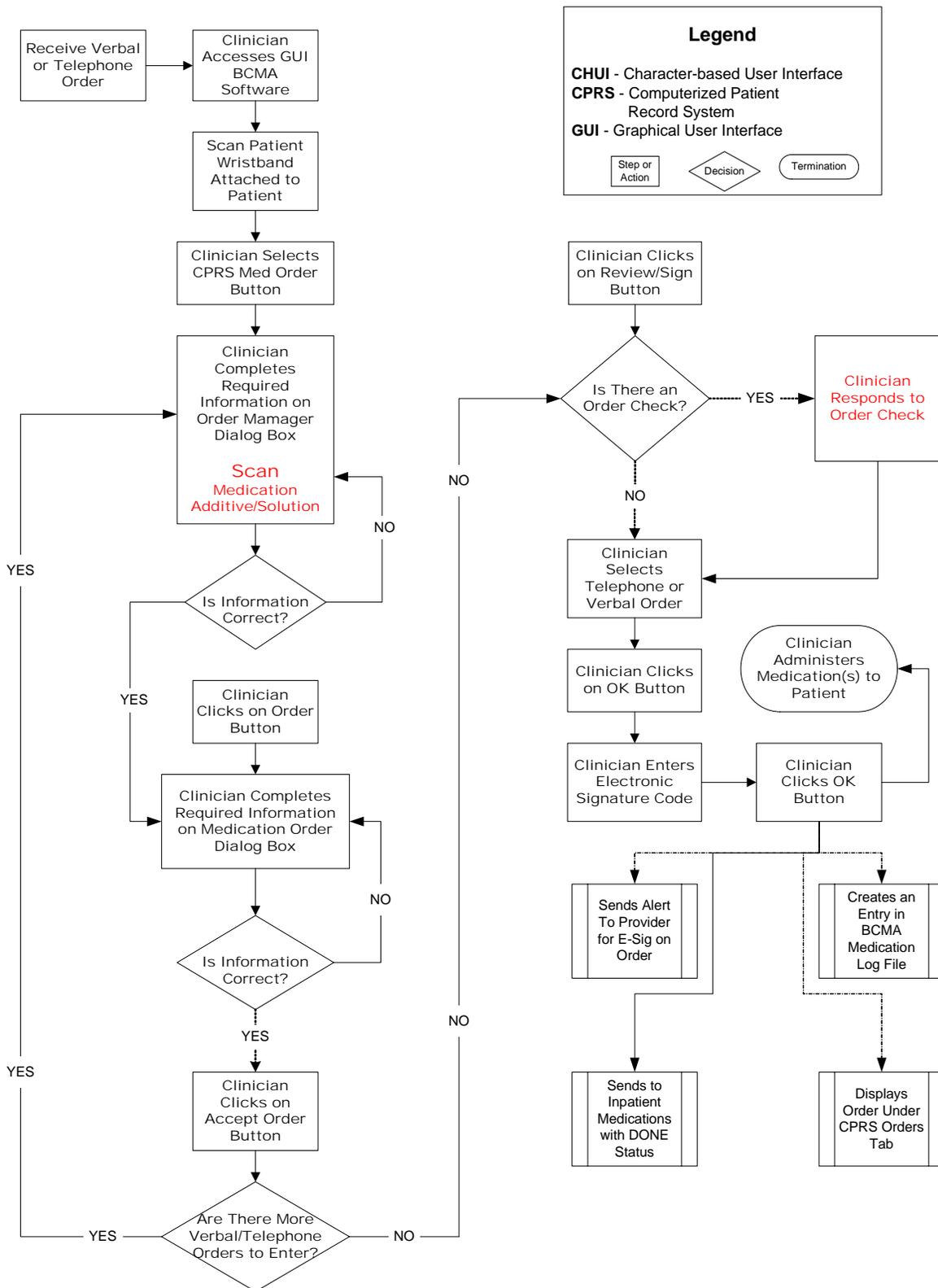
Enabling the CPRS Med Order Button Functionality

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
[Empty List Box]

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, 2002, 01 MAY 02, 5/01/02, 050102
- 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 206.
 - If you placed an IV medication order, proceed to the section “Accepting an Administered IV Order” on page 207.

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		NOW
20MG		STAT
325MG		
650MG		

Comments: Give with milk.

ACETAMINOPHEN TAB
325MG NOW Give with milk.

Accept Order
Quit

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 208.



TIP:

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

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 208.

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

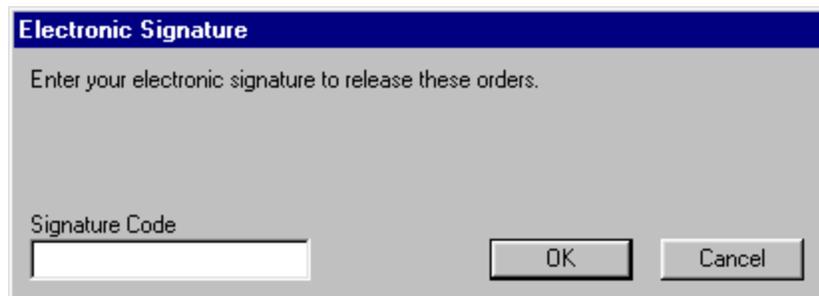
Reviewing and Signing STAT or NOW Orders (cont.)

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.

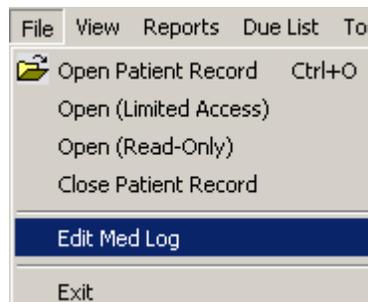
Notes:

- 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	DOPAMINE INJ.SOLN (780V/30)	STOPPED	8/16/2004@1018	A12
P	ACETAMINOPHEN TAB	GIVEN	8/16/2004@1017	A12
OC	FUROSEMIDE TAB	GIVEN	8/16/2004@1017	A12

- 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	000009678	9/2/1947	724-A	7A GEN MED
BCMAPATIENT.THREE	000009945	7/31/1920	724-C	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:
BEHAVIORAL 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

BCMA - Edit Med Log Administration Selection

Patient Name: BCPATIENT.DNE
SSN: 000-00-9678
Searching Date: AUG 16, 2004

Type	Medication	Status	Action Date/Time	Int
C	DOPAMINE INJ.SOLN (780V30)	STOPPED	8/16/2004@1018	A12
P	ACETAMINOPHEN TAB	GIVEN	8/16/2004@1017	A12
DC	FUROSEMIDE TAB	GIVEN	8/16/2004@1017	A12

<< AUG 16, 2004 >>

Displays Previous Day

Displays Next Day

Displays Calendar

OK Cancel



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 AUG 16 2004, 16 AUG 04, 08/16/04, or 081604.

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

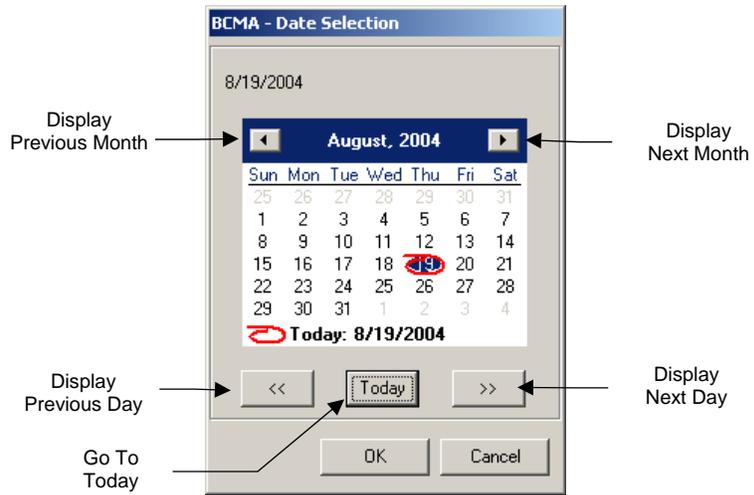
Accessing the Edit Med Log Option (cont.)



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
C	DOPAMINE INJ.SOLN (780V/30)	STOPPED	8/16/2004@1018	A12
P	ACETAMINOPHEN TAB	GIVEN	8/16/2004@1017	A12
OC	FUROSEMIDE TAB	GIVEN	8/16/2004@1017	A12

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: 000009678 Action Date/Time:

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	2	1	TAB

Enter a Comment (Required): (150 Characters Maximum)

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

- Aug 16, 2004, 16 AUG 04, 8/16/04, 081604
- 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@7:00 (Today at 7:00 a.m.)
- 050504@0815 (May 5, 2004 at 8:15 a.m.)
- 0816@1300 (August 16, 2004 at 1:00 p.m.)

Editing the Medication Log

Using the Edit Med Log Option (cont.)

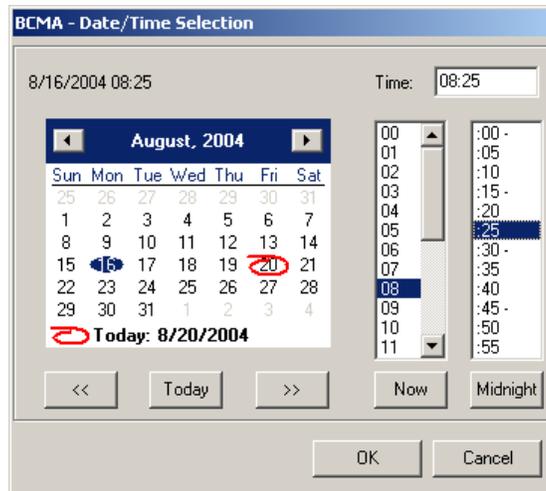


TIP:

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



- 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



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:

Pain Score entered:

(150 Characters Maximum)

PRN required pain scores

- Gastritis
- Headache
- Hiccups
- Indigestion
- Insomnia
- Irritation
- Itching

- 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.)

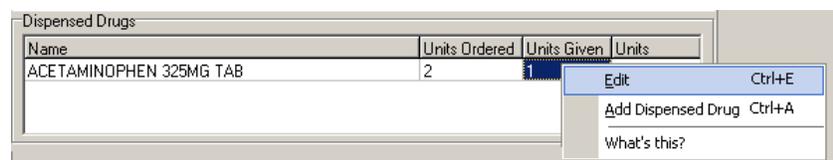
The Dispensed Drugs area of the Edit Med Log dialog box shows a list of dispensed drugs, additives, and/or solutions, including the units ordered, units given, and units (TAB, CAP, etc.). You can only edit this area for Unit Dose orders. You can also add a dispensed drug (if necessary).

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.

- 7 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.)

To edit an administered medication (cont.)

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

PRNs:
Reason:
Effectiveness:
Dispensed Drug
Name
ACETAMINO
acet
Units
TAB



TIP:

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

- 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**.

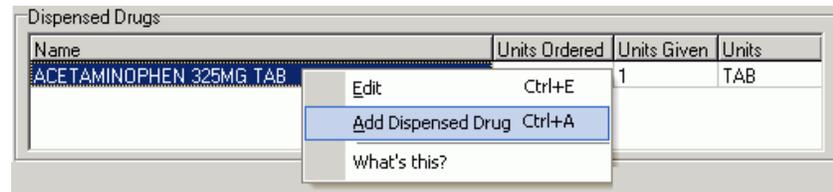
Keyboard Shortcut: Use **CTRL-A** to add a drug in the Dispensed Drugs area of the dialog box.

Editing the Medication Log

Using the Edit Med Log Option (cont.)

To edit an administered medication (cont.)

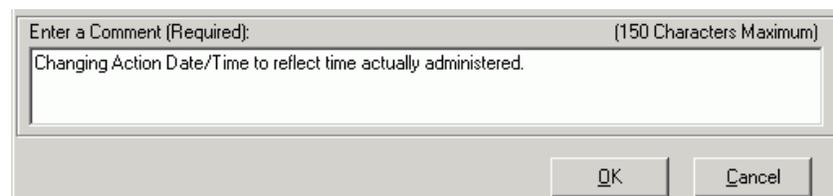
Example: Edit Med Log Add Dispensed Drug



- 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:

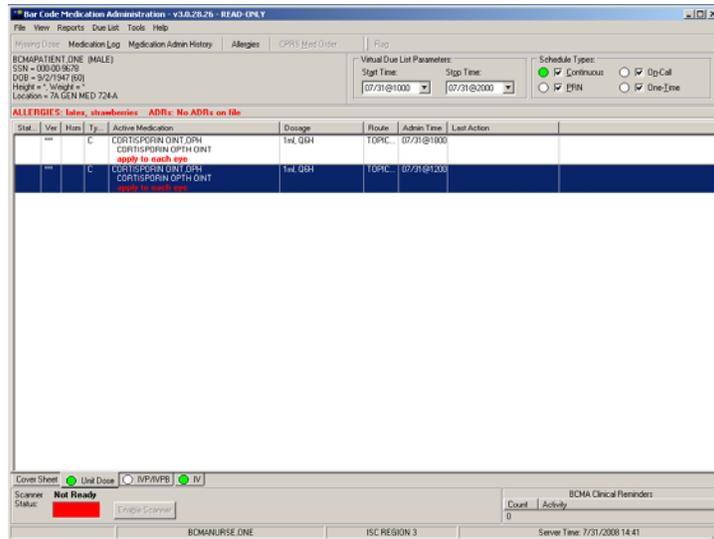
- **Administration of a medication via Scan Medication Bar Code.** While a Read-Only user is signed-on to BCMA, the Scanner Status displays as "Not Ready" and the Enable Scanner button is not available.
- **Modification of any administration via Unable to Scan functionality.** The modification of any 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.)

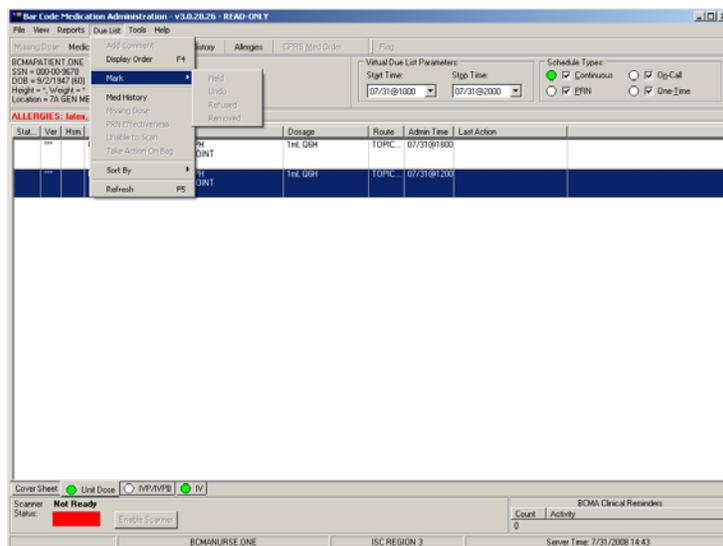
The following example shows a sample patient record being viewed in Read-Only BCMA. Note the “READ-ONLY” message in the title bar, and the tool bar buttons that are unavailable display as grayed-out. In addition, the Scanner Status displays as “Not Ready” and the Enable Scanner button is not available.

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

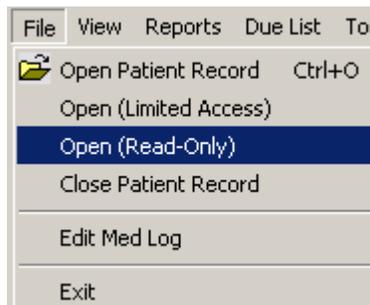
Accessing Read-Only BCMA

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

The screenshot shows a window titled "Bar Code Medication Administration - READ-ONLY". The window has a menu bar with "File", "View", "Reports", "Due List", "Tools", and "Help". Below the menu bar are several tabs: "Missing Dose", "Medication Log", "Medication Admin History", "Allergies", "CPRS Med Order", and "Flag". The "Flag" tab is currently selected. In the center of the window, a dialog box titled "BCMA - Patient Select" is open. This dialog box has a text input field for "Patient Name (Last, First or SSN, Rm-Bd, or Ward)". Below the input field is a section labeled "Patient List" which contains a table with columns for "Name", "SSN", "DOB", "Rm-Bd", and "Ward". The table is currently empty. At the bottom right of the dialog box are "OK" and "Cancel" buttons. At the bottom of the main application window, there is a status bar with the text "BCMANURSE.0NE", "ALBANY", and "Server Time: 8/17/2006 12:54".

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	9/27/1947	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:

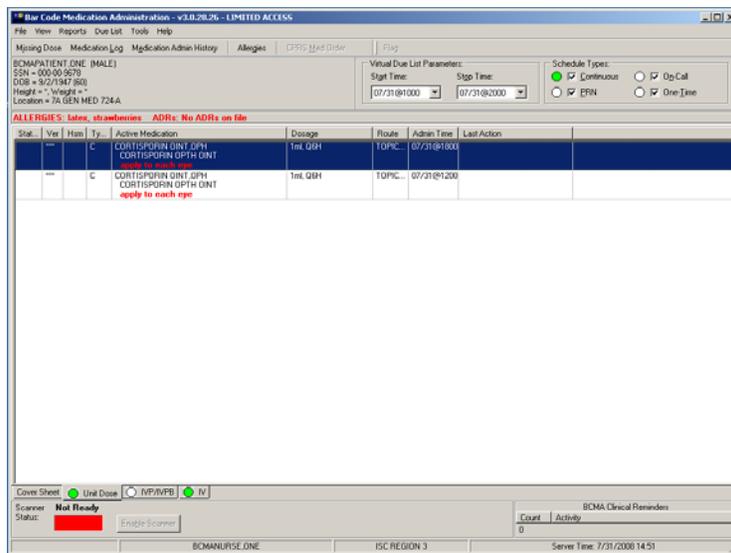
- **Administration of a medication via scanning.** The scanner status remains in a Not Ready state whenever a patient record is opened in BCMA Limited Access mode.
- **Administration of a medication via Unable to Scan functionality.** The Unable to Scan and Unable to Scan-Create WS options will be disabled.
- **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.)

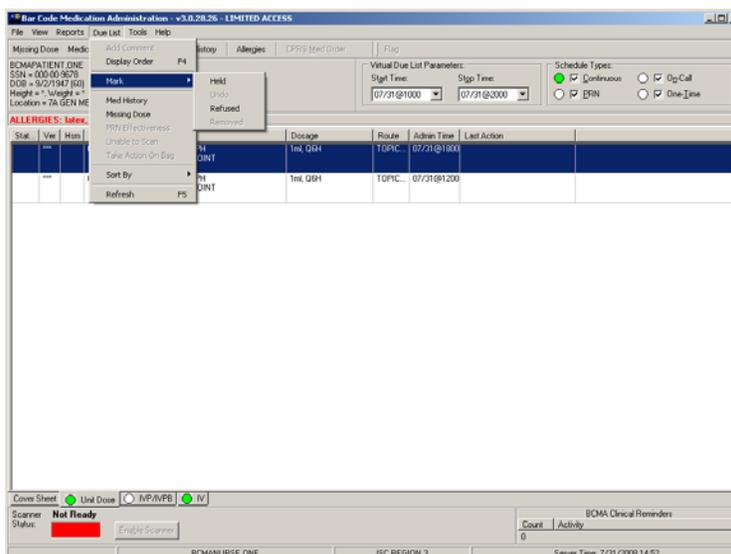
The following example shows a sample patient record being viewed in Limited Access BCMA. Note the “LIMITED ACCESS” message in the title bar, and the tool bar buttons that are unavailable display as grayed-out. In addition, the Scanner Status displays as “Not Ready” and the Enable Scanner button is not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

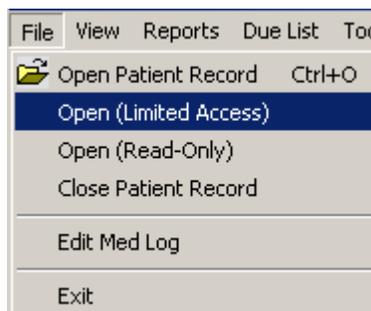
This section describes the method for accessing BCMA in Limited Access mode.

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

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	9/27/1947	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.

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, IV).

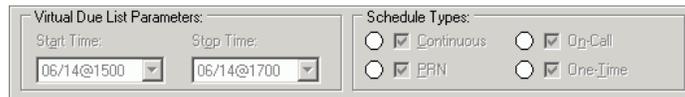
Working with the Cover Sheet

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 panels. The left panel, titled "Virtual Due List Parameters:", contains two dropdown menus for "Start Time:" and "Stop Time:". Both dropdowns are disabled and show the value "06/14@1500" and "06/14@1700" respectively. The right panel, titled "Schedule Types:", contains four radio button options: "Continuous", "On-Call", "PRN", and "One-Time". All radio buttons are disabled and unselected.

- 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:
 - Display Order
 - Med History
 - Available Bags (for IV orders)
 - Display Order Flag Reason, if applicable

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

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

Bar Code Medication Administration

File View Reports Due List Tools Help

Missing Dose Medication Log Medication Admin History Allergies CPRS Med Order Flag

BCPATIENT ONE (MALE)
SSN = 000 00 9678
DOB = 9/2/1947 (58)
Height = *, Weight = *
Location = 7A GEN MED 724A

Virtual Due List Parameters:
Start Time: 08/17@0700 Stop Time: 08/17@1000

Schedule Types:
 Continuous On-Call
 PRN One-Time

ALLERGIES: latex, strawberries ADRs: No ADRs on file

View: Medication Overview Display Guidelines

VDL Tab	Status	T.	Medication	Schedule	Dosage/Route	Next Action	Special Instructions	Order Stop D.
IV	Active		KCL 20MEQ/DS/NAACL 0.9% INJ SOLN I...		100 ml/hr, IV			04/30@1200
IV	Active		PROLEUKIN INJ		100 ml/hr, IV			04/30@1200
IV	Active		KCL 20MEQ/DS/NAACL 0.9% INJ SOLN I...		100 ml/hr, IV			04/30@1200
IVP/IVPB	Active	C	AMPICILLIN INJ	Q4H	INFUSE OVER 10 MIN., IV	MISSED 08/14@1600		08/21@2400
IVP/IVPB	Active	C	FUROSEMIDE INJ SOLN	BID	INFUSE OVER 30 MIN., IV	MISSED 08/07@1700	FOR CONGESTION	04/29@1200
UD	Active	C	HALOPERIDOL TAB	Q4H	1MG, PO	MISSED 08/03@1300		08/17@2400
UD	Active	P	TEMAZEPAM CAP, DRAL	PRN	45MG, PO			08/18@2359
UD	Active	P	ACETAMINOPHEN TAB	Q6H PRN	325MG, PO			08/18@2359
UD	Active	C	THIORIDAZINE TAB	BID	25MG, PO	MISSED 08/14@1700		11/22@1200
UD	Hold	O	DIGOXIN ELIXIR	STAT	0.05MG/1ML, PO	Provider Hold		04/29@1200
UD	Active	OC	FUROSEMIDE TAB	ON CALL	40MG, PO		30 MINUTES PRIO.	04/29@1200
UD	Active	O	LORAZEPAM INJ	STAT	4MG/1ML, IMP			04/29@1200
UD	Active	C	SODIUM BICARBONATE TAB	Q4H	650MG, PO	MISSED 08/14@1700		04/29@1200
UD	Active	C	VITAMIN E CAP, DRAL	Q4H	200 IU, PO	MISSED 08/17@0900		04/29@1200
UD	Active	C	THIORIDAZINE TAB	QD	5MG, PO	MISSED 08/14@1440		05/10@1200
Future [2]								
UD	Active	C	MORPHINE SOLN, DRAL	Q6H	10MG/5ML, PO	DUE 08/18@1500		08/24@2400
UD	Active	P	ACETAMINOPHEN TAB	Q4HPRN	325MG, PO			09/01@2400
Expired/DC'd [5]								
VDL Tab	Status	T.	Medication	Schedule	Dosage/Route	Next Action	Special Instructions	Order Sto...
UD	Disco...	C	MORPHINE SOLN, DRAL	Q4H	10MG/5ML, PO	MISSED 08/17@1015		08/17@1018
UD	Disco...	C	MORPHINE SOLN, DRAL	Q6H	10MG/5ML, PO	DUE 08/17@1500		08/17@1018

Cover Sheet Unit Dose IVP/IVPB IV

Scanner Status: **Not Ready** Enable Scanner

BCMA Clinical Reminders
Count: 2 Activity: PRN Effectiveness

BCMANURSE.ONE ALBANY Server Time: 8/17/2006 12:48

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 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.
 - **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)
 - **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
 - **Schedule:** the order schedule (i.e., Q2H, BID)
 - **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.
 - **“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: 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 'Bar Code Medication Administration' window. At the top, it displays patient information for BCM PATIENT ONE (MALE) and various parameters like SSN, DOB, Height, and Weight. Below this, there are tabs for 'Missing Dose', 'Medication Log', 'Medication Admin History', 'Allergies', 'CPRS Med Order', and 'Flag'. The 'Medication Overview' tab is active, showing a table of medication orders. The table has columns for VDL Tab, Status, T., Medication, Schedule, Dosage/Route, Next Action, Special Instructions, and Order Stop Date. A red box highlights a specific IV order for KCL 20MEQ/05/NAACL 0.9% INJ SOLN L... with a 'Next Action' of 'COMPLETE' and a 'Comment' of 'ASDFASDFSF'. Below the table, there are sections for 'Cover Sheet' (Not Ready) and 'BCMA Clinical Reminders' (Count: 2, Activity: PRN Effectiveness).

VDL Tab	Status	T.	Medication	Schedule	Dosage/Route	Next Action	Special Instructions	Order Stop Date
IV	Active	C	KCL 20MEQ/05/NAACL 0.9% INJ SOLN L...	Q4H	100 ml/hr, IV			04/30@1200
IV	Active	C	PROLEUKIN INJ	Q4H	100 ml/hr, IV			04/30@1200
IV	Active	C	KCL 20MEQ/05/NAACL 0.9% INJ SOLN L...	Q4H	100 ml/hr, IV			04/30@1200
			Bag ID	Action By	Action			
			730V511	DH 08/14	INFUSING			
			#30V55	08/03/07	COMPLETE			
				Comment By	Comment			
				DH 08/07@1235	ASDFASDFSF			
IVP/IVPB	Active	C	AMPICILLIN INJ	Q4H	INFUSE OVER 10 MIN, IV	MISSED 08/14@1600		08/21@2400
IVP/IVPB	Active	C	FUROSEMIDE INJ SOLN	BID	INFUSE OVER 30 MIN...	MISSED 08/07@1700	FDR CONGESTION	04/29@1200
UD	Active	C	HALOPERIDOL TAB	Q4H	1MG, PO	MISSED 08/03@1300		08/17@2400
UD	Active	P	TEMAZEPAM CAP, DRAL	PRN	45MG, PO			08/18@2359
UD	Active	P	ACETAMINOPHEN TAB	Q6H PRN	325MG, PO			08/18@2359
UD	Active	C	THIORIDAZINE TAB	BID	25MG, PO	MISSED 08/14@1700		11/22@1200
UD	Hold	D	DIGOXIN ELIXIR	STAT	0.05MG/1ML, PO	Provider Hold		04/29@1200
UD	Active	OC	FUROSEMIDE TAB	ON CALL	40MG, PO		30 MINUTES PRIO.	04/29@1200
UD	Active	D	LORAZEPAM INJ	STAT	4MG/1ML, IMP			04/29@1200
UD	Active	C	SODIUM BICARBONATE TAB	Q4H	650MG, PO	MISSED 08/14@1700		04/29@1200
UD	Active	C	VITAMIN E CAP, DRAL	Q4H	200 IU, PO	MISSED 08/17@0900		04/29@1200
UD	Active	C	THIORIDAZINE TAB	QD	5MG, PO	MISSED 08/14@1440		05/10@1200

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

Bar Code Medication Administration -

File View Reports Due List Tools Help

Missing Doses Medication Log Medication Admin History Allergies CPRS Med Order Flag

BCMAPATIENT ONE (MALE)
 SSN = 000-00-9679
 DOB = 9/2/1947 (88)
 Height = * Weight = *
 Location = 7A GEN MED 724A

Virtual Due List Parameters:
 Start Time: 08/17@0700 Stop Time: 08/17@1000

Schedule Types:
 Continuous Disp Call
 PRN One-Time

ALLERGIES: latex, strawberries ADRs: No ADRs on file

View: PRN Overview Display Guidelines

VDL Tab	Status	Medication	Schedule	Dosage	Last Given	Since Last Given	Special Instructions	Order Stop Date
UD	Active	TEMAZEPAM CAP DRAL	PRN	45MG, PO	8/10/2006@1026	7d 2h 33m		08/18@2359
UD	Active	ACETAMINOPHEN TAB	Q6H PRN	325MG, PO	8/7/2006@1236	10d 0h 24m		08/18@2359
Future [1]								
UD	Active	ACETAMINOPHEN TAB	Q4HPRN	325MG, PO	8/7/2006@1236	10d 0h 24m		09/01@2400
Expired/DC'd [2]								
UD	Disco...	TEMAZEPAM CAP DRAL	PRN	45MG, PO	8/10/2006@1026	7d 2h 33m		08/17@1020
			Action By	Action	PRN Reason	PRN Effectivene...		
			DH 08/10...	GIVEN	Anxiety			
			DH 08/07...	GIVEN	Agitation			
			DH 08/04...	GIVEN	Anxiety	0122450783012...		
					Comment By	Comment		
					DH 08/04@1250	changed UG for 30mg from ...		
UD	Disco...	ACETAMINOPHEN TAB	PER PS-0...	325MG, PO	8/7/2006@1236	10d 0h 24m		08/17@1022

Cover Sheet Unit Dose IVP/IVPB IV

Scanner Status: **Not Ready** Enable Scanner

BCMA Clinical Reminders
 Count: 2 Activity: PRN Effectiveness

BCMANURSE.ONE ALBANY Server Time: 8/17/2006 12:59

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 icon 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.
 - **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)
 - **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
 - **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



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: PRN Overview (cont.)

- 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

The screenshot shows the 'IV Overview' view for patient BCMAPATIENT.ONE (MALE). The interface includes a menu bar, a toolbar with options like 'Missing Dose', 'Medication Log', and 'Allergies', and a 'Flag' section for 'Virtual Due List Parameters'. The main area displays a table of IV bags grouped into three categories: 'Infusing [2]', 'Stopped [1]', and 'All Other [7]'. Each group contains a table with columns for Bag ID, Order Status, Bag Status, Medication, Infusion Rate, Other Print Info, and Bag Info. The 'All Other' group includes bags with statuses like 'AVAILABLE' and 'COMPLETE'. At the bottom, there is a 'Cover Sheet' section with 'Unit Dose', 'IV/IVPB', and 'IV' options, a 'Scanner Status' section showing 'Not Ready', and a 'BCMA Clinical Reminders' table with a count of 2.

Bag ID	Order Status	Bag Status	Medication	Infusion Rate	Other Print Info	Bag Info
780V76	Active	INFUSING	PROLEUKIN INJ	100 ml/hr		Changed Order
780V/S11	Active	INFUSING	KCL 20MEQ/D5/NAACL 0.9% INJ.SOLN IV ...	100 ml/hr		Changed Order
780V74	Active	STOPPED	KCL 20MEQ/D5/NAACL 0.9% INJ.SOLN IV ...	100 ml/hr		Changed Order
780V75	Active	AVAILABLE	KCL 20MEQ/D5/NAACL 0.9% INJ.SOLN IV ...	100 ml/hr		Changed Order
780V76	Active	AVAILABLE	KCL 20MEQ/D5/NAACL 0.9% INJ.SOLN IV ...	100 ml/hr		Changed Order
780V77	Active	AVAILABLE	KCL 20MEQ/D5/NAACL 0.9% INJ.SOLN IV ...	100 ml/hr		Changed Order
780V79	Active	COMPLETE	PROLEUKIN INJ	100 ml/hr		Changed Order
780V/S10	Active	COMPLETE	KCL 20MEQ/D5/NAACL 0.9% INJ.SOLN IV ...	100 ml/hr		Changed Order
780V/S8	Active	COMPLETE	KCL 20MEQ/D5/NAACL 0.9% INJ.SOLN IV ...	100 ml/hr		Changed Order
780V/S9	Active	COMPLETE	KCL 20MEQ/D5/NAACL 0.9% INJ.SOLN IV ...	100 ml/hr		Changed Order

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 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.
 - **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
 - **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
- 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



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: 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.

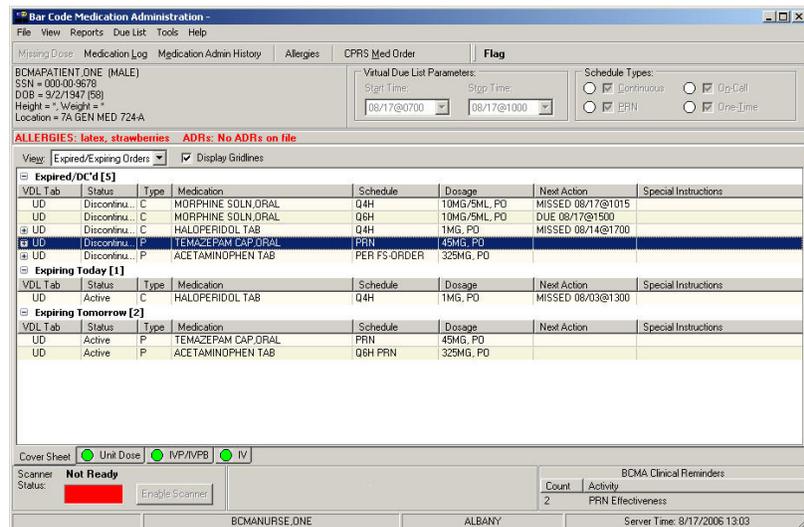
Example: Fields to Expand Display Timeframe



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
 - **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)
 - **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.
 - **"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

BCMAPATIENT.ONE (MALE)
 SSN = 000-00-9678
 DOB = 9/2/1947 (59)
 Height = 5, Weight = 160
 Location = 7A.GEN.MED.724-A

ALLERGIES: latex, strawberries **ADRs:** No ADRs on file

VDL Tab	Status	T.	Medication	Schedule	Dosage_Route	Next Action	Special Instructions	Order Stop D...
IV	Active		KCL 20MEQ/D5/NAACL 0.9% INJ.SOLN I...		100 ml/hr, IV			04/30@1200
IV	Active		PROLEUKIN INJ		100 ml/hr, IV			04/30@1200
IV	Active		KCL 20MEQ/D5/NAACL 0.9% INJ.SOLN I...		100 ml/hr, IV			04/30@1200
IVP/IVPB	Active	C	AMPICILLIN INJ	Q4H	INFUSE OVER 10 MIN., IV	MISSED 08/14@1600		08/21@2400
IVP/IVPB	Active	C	FUROSEMIDE INJ.SOLN	BID	INFUSE OVER 30 MIN., ...	MISSED 08/07@1700	FOR CONGESTION	04/29@1200
UD	Active	C	HALOPERIDOL TAB	Q4H	1MG, PO	MISSED 08/03@1300		08/17@2400
UD	Active	P	TEMAZEPAM CAP. ORAL	PRN	45MG, PO			08/18@2355
UD	Active	P	ACETAMINOPHEN TAB	Q6H PRN	325MG, PO			08/19@2355
UD	Active	C	THIURIDAZINE TAB	BID	25MG, PO	MISSED 08/14@1700		11/22@1200
UD	Hold	O	DIGOXIN ELKRIP	STAT	0.05MG/1ML, PO	Provider Hold		04/29@1200
UD	Active	OC	FUROSEMIDE TAB	ON CALL	40MG, PO		30 MINUTES PRIOR...	04/29@1200
UD	Active	O	LORAZEPAM INJ	STAT	4MG/1ML, IMP			04/29@1200
UD	Active	C	SODIUM BICARBONATE TAB	Q4H	650MG, PO	MISSED 08/14@1700		04/29@1200
UD	Active	C	VITAMIN E CAP. ORAL	Q4H	200 IU, PO	MISSED 08/17@0900		04/29@1200
UD	Active	C	THIURIDAZINE TAB	QD	5MG, PO	MISSED 08/14@1440		05/10@1200

Future [2]

VDL Tab	Status	T.	Medication	Schedule	Dosage_Route	Next Action	Special Instructions	Order Sto...
UD	Active	C	MORPHINE SOLN. ORAL	Q6H	10MG/5ML, PO	DUE 08/18@1500		09/24@2400
UD	Active	P	ACETAMINOPHEN TAB	Q4HPRN	325MG, PO			09/01@2400

Expired/DC'd [5]

VDL Tab	Status	T.	Medication	Schedule	Dosage_Route	Next Action	Special Instructions	Order Sto...
UD	Disco...	C	MORPHINE SOLN. ORAL	Q4H	10MG/5ML, PO	MISSED 08/17@1015		08/17@1018
UD	Disco...	C	MORPHINE SOLN. ORAL	Q6H	10MG/5ML, PO	DUE 08/17@1500		08/17@1018

Scanner Status: **Not Ready** (Enable Scanner)

BCMA Clinical Reminders: Count: 2, Activity: PRN Effectiveness

Server Time: 8/17/2006 12:48

Working with the Cover Sheet

Accessing the Cover Sheet (cont.)

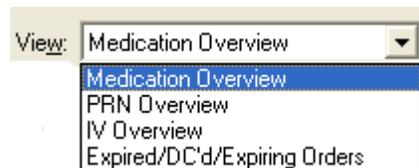
The Cover Sheet opens to the Medication Overview by default. You may select one of the four available Cover Sheet views.

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

The screenshot displays the 'Medication Administration' window for patient BCMANURSE ONE. The main table shows a list of medications with columns for VES Tab, Status, Medication, Schedule, Dosage, Route, Next Action, Special Instructions, and Order Stop Date. One row is fully expanded, showing details for 'KCL 20MEQ/0.5NACL 0.3% IU SOLN 1'. The expanded view includes a 'Tag ID' (782W511), 'Action By' (DH 08/14), 'Action' (INFUSING), and 'Order Stop Date' (04/30/1200). Below the main table, there are sections for 'Future' medications and a 'Scanner' status area.

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

- 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



- 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' application window. The patient information is: BCPATIENT, ONE (MALE), SSN = 000-00-8878, DOB = 3/2/1947 (58), Height = 5', Weight = 170, Location = 7A GEN MED 724A. Allergies listed are latex, strawberries, and ADRs: No ADRs on file. The medication list is as follows:

VDL Tab	Status	Type	Medication	Schedule	Dosage/Route	Next Action	Special Instructions	Order Stop Date
UD	Active	P	ACE TAMINDPHEN TAB	Q4H PRN	325MG, PO			10/01/02,400
IV	Active	C	AMINO ACIDS INJ.SOLN		300 ml/hr, IV			09/26/02,300
IVP/IVPB	Active	C	AMPICILLIN INJ	Q4H	INFUSE DIVER 20...	MISSED 08/25/0100		06/09/01,200
IV	Active	C	DEXTRIOSE/SALINE INJ.SOLN		100 ml/hr, IV			06/07/01,200
UD	Active	O	DIBSDIN ELIQR	STAT	0.05MG/TML, PO			06/07/01,200
IV	Active	C	DOPAMINE INJ.SOLN		TITRATE@1, IV			06/07/01,200
IVP/IVPB	Active	C	FUROSEMIDE INJ.SOLN	BID	INFUSE DIVER 5 M...	MISSED 08/25/0900	For Congestion	06/09/01,200
UD	Active	OC	FUROSEMIDE TAB	ON CALL	40MG, PO		30 Minutes Prior to Ciplation	12/11/00055
UD	Hold	C	HALOPERIDOL TAB	Q4H	1MG, PO		Provider Hold	06/07/01,200
IV	Active	C	KCL 20MEQ/05/NACL 0.9% INJ.SOLN L...		200 ml/hr, IV			09/27/02,300
UD	Active	O	LORAZEPAM INJ	STAT	4MG/TML, IMP			06/07/01,200
UD	Active	C	NITROGLYCERIN PATCH	Continuous Drip	10MG, PO	MISSED 03/29/0140	Apply Patch at 2pm and remove patch...	12/11/00059
UD	Active	C	SODIUM BICARBONATE TAB	Q4H	325MG, PO	MISSED 08/25/0100		12/11/00002
Future [1]								
VDL Tab	Status	Type	Medication	Schedule	Dosage/Route	Next Action	Special Instructions	Order Stop Date
UD	Active	P	MORPHINE SOLN,DRAL	Q4H	10MG/5ML, PO			10/03/02,400
Expired/DC'd [1]								
VDL Tab	Status	Type	Medication	Schedule	Dosage/Route	Next Action	Special Instructions	Order Stop Date
UD	Discontin...	P	CLOTRIMAZOLE CREAM, TOP	Q4H PRN	10G, TOP			03/26/01009

At the bottom of the window, the 'Cover Sheet' section shows 'Unit Dose' selected, 'Scanner Status: Not Ready', and 'BCMA Clinical Reminders' with a count of 19. The server time is 9/26/2005 13:07.

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.

- **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

The screenshot shows a window titled "Patient Inquiry" with a blue title bar and standard Windows window controls. The main area contains text-based patient information:

```
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   : AUG 3, 2006@12:17:30      Transferred   :
Ward       : 7A GEN HHD                 Room-Bed     : 724-A
Provider   : BCMAPROVIDER, ONE         Specialty    : DOMICILIARY PTSD
Attending  : BCMAPROVIDER, 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:
```

At the bottom of the dialog box, there is a status bar that reads "Report 1 of 1" and three buttons: "Print", "Next", and "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.

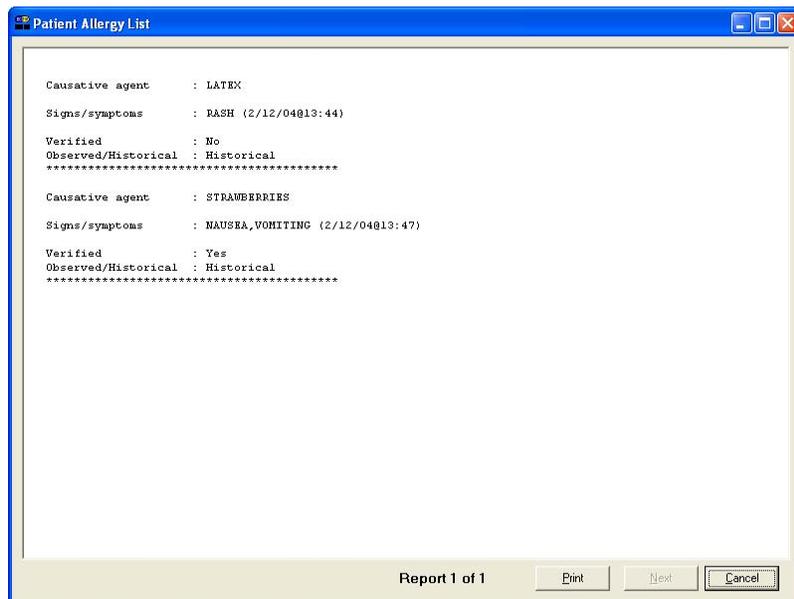
Note: BCMA only displays allergy information, not a drug “interaction” check.

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



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 view (and print) 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)

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: SEP 05, 2007 12:24
Page: 1

Patient: BCHA PATIENT, ONE SSN: 000-00-9478 DOB: SEP 2, 1947 (60)
Sex: MALE Hc/Wc: */* 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, STANBESDITE

Orderable Item: ACETAMINOPHEN/CODINE ELIXIR
Dosage Ordered: 1 TEASPOONFUL Start: 09/05/2007 09:49 Stop: 09/10/2007 09:45

Med Route: ORAL
Schedule Type: CONTINUOUS Self Med: NO
Schedule: Q6H

Admin Times: 0600-1200-1800-2400
Provider: BCHA PROVIDER, ONE
Spec Instk:

Dispense Drugs	Units	Inactive Date
ACETAMINOPHEN, CODINE ELIXIR (OZ)	1	

Pharmacy Activity Log:

Date: Sep 05, 2007 09:50:54 User: BCHA PROVIDER, ONE
Activity: VERIFIED BY PHARMACIST

Date: Sep 05, 2007 11:02:06 User: BCHA PROVIDER, ONE
Activity: PLACED ON HOLD BY PHARMACIST

Date: Sep 05, 2007 11:02:09 User: BCHA PROVIDER, ONE
Activity: EDITED (ON HOLD)
Field: STATUS
Old Data: ACTIVE

Report 1 of 1 Print Find Cancel

Viewing and Printing BCMA Reports

Viewing/Printing 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: SEP 05, 2007 14:31
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 Hvmt: AUG 3,2006 12:17:30 Type: ADMISSION

ADPs: No ADPs on file.

Allergies: LATEX, STRAWBERRIES

Orderable Item: PENICILLIN INJ Start: 09/05/2007 14:30
Infusion Rate: INFUSE OVER 100 MIN. Stop: 09/10/2007 24:00

Med Route: INTRAVENOUS
Schedule Type: CONTINUOUS
Admin Time: 1440
Provider: BCMAPROVIDER,ONE
Spec Inst:

Additives

Name	Strength
PENICILLIN G	300 UNITS

Solution

Name	Volume
NCL ZOMEQ/DS/BALD Q-36	1000 ML

Pharmacy Activity Log:

Date: Sep 05, 2007 14:31:30 User: BCMAPROVIDER,ONE
Activity: VERIFY
Reason: ORDER VERIFIED BY PHARMACIST

Report 1 of 1 [Print] [Help] [Cancel]

Example: Display Order Dialog Box for IV Medication Order

BCMA - Display Order

Run Date: SEP 05, 2007 12:22
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 Hvmt: AUG 3,2006 12:17:30 Type: ADMISSION

ADPs: No ADPs on file.

Allergies: LATEX, STRAWBERRIES

Orderable Item: OXACILLIN INJ Start: 08/29/2007 15:36
Infusion Rate: 200 ml/hr Stop: 09/14/2007 24:00

Med Route: INTRAVENOUS
Schedule Type: CONTINUOUS
Provider: BCMAPROVIDER,ONE
Spec Inst:

Additives

Name	Strength
OXACILLIN	1000 GR

Solution

Name	Volume
DS 1/2NS W NCL ZOMEQ	1000 ML

Pharmacy Activity Log:

Date: Sep 05, 2007 12:19:42 User: BCMAPROVIDER,ONE
Activity: VERIFY
Reason: ORDER VERIFIED BY PHARMACIST

Date: Sep 05, 2007 12:22:08 User: BCMAPROVIDER,ONE
Activity: EDIT
Field: INFUSION RATE
Old Data: 100 ml/hr

Report 1 of 1 [Print] [Help] [Cancel]

Viewing and Printing BCMA Reports

Viewing/Printing an Order from Inpatient Medications (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.

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

The screenshot shows the 'Patient Due List' dialog box with the following settings:

- Date for Report: 9/ 5/2007
- Start Time: 0001
- Stop Time: 2400
- Include Schedule Types: Continuous, On-Call, PRN, One-Time
- Include Order Types: IVs, Unit Dose, Include Future Orders, Include Addendums
- Print by: Patient, Ward
- Print by Ward Options: Sort by Patient, Sort by Room-Bed, Print Selected Patients on Ward - No Patients Selected
- Exclude Inactive Wards:

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:

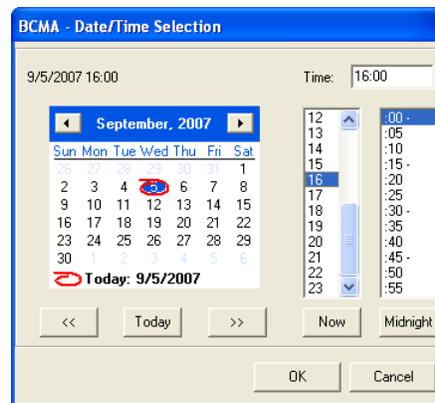
The bottom of the Due List Report includes blank lines for making any "Changes/Addendums" to the patient's orders. Future orders display on a separate page.

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 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.

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.)

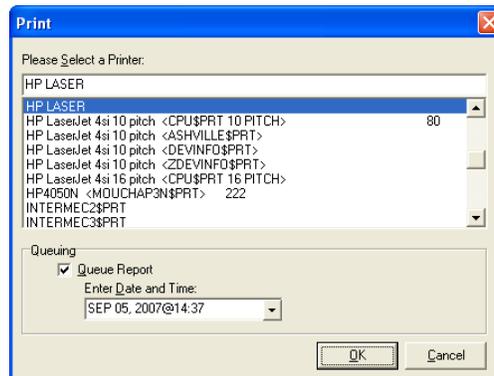
Note: If you choose to print selected patients, you must click **SELECT PATIENTS** and then select the patients you want to preview or print, then click **OK**.

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

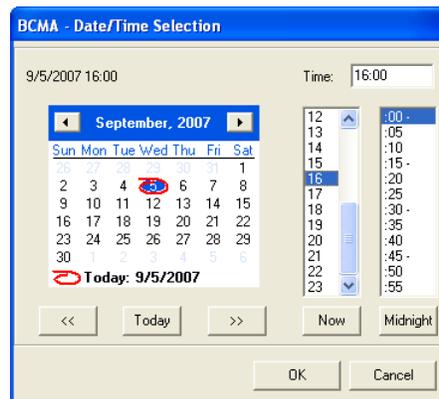
Keyboard Shortcut: Use **TAB** to move among the **PREVIEW**, **PRINT** and **CANCEL** buttons.

Example: Print Screen



- 8 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



Viewing and Printing BCMA Reports

Viewing/Printing a Due List Report (cont.)

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

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

Example: Due List Report By Patient

The screenshot shows a window titled "Patient Due List" with a blue title bar. The content is a text-based report with a table of medication orders. At the bottom, there are buttons for "Print", "Next", and "Cancel", and a status indicator "Report 1 of 1".

Medication Due List for SEP 05, 2007@0001 to SEP 05, 2007@2400
 Schedule Type(s): Continuous / PEN / OnCall / OneTime
 Order Type(s): IV / Unit Dose / Future Orders
 Run Date: SEP 05, 2007@15:31
 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

Self Med	Sched	Medication	Dose	Route	Last Given	Start Date @Time	Stop Date @Time	Verifying Rph/Rn
IV-C		AMPICILLIN INJ	Give: TID	IV PUSH	09/05/07@1528	9/5/07 @11:19	9/14/07 @24:00	BP0/****
*AMPICILLIN (1 GM) *DEXTROSE 5% IN WATER (50 ML) Admin Times: 1300-1700 Spec Inst: WATCH FOR INTERACTION WITH MVI								
IV-C		FUROSEMIDE INJ,SOLN	Give: BID	IVP	08/29/07@1359	8/3/06 @12:43	4/29/09 @12:00	DH/****
*FUROSEMIDE (20 MG) *AMINO ACID SOLUTION 8.5% (500 ML) Admin Times: 0900-1700 Spec Inst: <None Entered>								
IV-C		HEPARIN SOLN	Give:	INTRAV ENOUS		8/28/07 @18:00	9/5/07 @24:00	BP0/****
*HEPARIN (500 ML) *DEXTROSE 5% IN N. SALINE (1000 ML) Admin Times: 0000 Spec Inst: <None Entered>								
IV-C		MULTIVITAMINS INJ	Give: QD	IVP	09/05/07@1528	8/29/07 @14:12	9/28/07 @14:14	BP0/****
*MVI (250 ML) *DEXTROSE 5% IN WATER (50 ML) Admin Times: 1440 Spec Inst: <None Entered>								

Administration Date: SEP 05, 2007

Report 1 of 1 Print Next Cancel

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

MEDICATION DUE LIST for SEP 05, 2007@0001 to SEP 05, 2007@2400 Run Date: SEP 05, 2007@15:37
 Schedule Type(s): Continuous / PRN / OnCall / OneTime Page: 1
 Order Type(s): IV / Unit Dose

Patient: ABCPATNM, PATIENT SSN: 666-00-0708 DOB: FEB 29, 1956 (51)
 Sex: MALE Ht/Wt: */* Ward: 7A GEN MED Rm 722-C
 Dx: CHEST PAIN Last Mvmt: FEB 29, 2000@11:03:03 Type: ADMISSION

ADRs: CODEINE, PENICILLIN

Allergies: STRAWBERRIES

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

Administration Date: SEP 05, 2007

** NO SPECIFIED MEDICATIONS TO PRINT **

ABCPATNM, PATIENT 666-00-0708 Ward: 7A GEN MED Room-Bed: 722-C

MEDICATION DUE LIST for SEP 05, 2007@0001 to SEP 05, 2007@2400 Run Date: SEP 05, 2007@15:37
 Schedule Type(s): Continuous / PRN / OnCall / OneTime Page: 1
 Order Type(s): IV / Unit Dose

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

Self	Med	Sched	Medication	Dose	Route	Last Given	Start Date @Time	Stop Date @Time	Verifying Rph/Rn
	IV-C		AMPICILLIN INJ	Give: TID	IV PUSH	09/05/07@1528	9/5/07 @11:19	9/14/07 @24:00	BP0/***
			*AMPICILLIN (1 GM)						
			*DEXTROSE 5% IN WATER (50 ML)	Admin Times: 1300-1700					
			Spec Inst: WATCH FOR INTERACTION WITH MVI						
	IV-C		FUROSEMIDE INJ, SOLN	Give: BID	IVP	08/29/07@1359	8/3/06 @12:43	4/29/09 @12:00	DH/***
			*FUROSEMIDE (20 MG)						
			*AMINO ACID SOLUTION 8.5% (500 ML)	Admin Times: 0900-1700					
			Spec Inst: <None Entered>						

Administration Date: SEP 05, 2007

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 SEP 05, 2007@0001 to SEP 05, 2007@2400 Run Date: SEP 05, 2007@15:51
 Schedule Type(s): Continuous / PRN / OnCall / OneTime Page: 1
 Order Type(s): IV / Unit Dose

Patient: ABCPATNM,PATIENT SSN: 666-00-0708 DOB: FEB 29,1956 (51)
 Sex: MALE Ht/Wt: */* Ward: 7A GEN MED Rm 722-C
 Dx: CHEST PAIN Last Mvmt: FEB 29,2000@11:03:03 Type: ADMISSION

ADRs: CODEINE, PENICILLIN
 Allergies: STRAWBERRIES

Self	Med	Sched	Medication	Dose	Route	Last Given	Start Date @Time	Stop Date @Time	Verifying Rph/Rn
Administration Date: SEP 05, 2007									
** NO SPECIFIED MEDICATIONS TO PRINT **									
=====									
ABCPATNM,PATIENT 666-00-0708 Ward: 7A GEN MED Room-Bed: 722-C									
=====									
Self	Med	Sched	Medication	Dose	Route	Last Given	Start Date @Time	Stop Date @Time	Verifying Rph/Rn
Administration Date: SEP 05, 2007									
IV-C	AMPICILLIN INJ			Give: TID	IV PUSH	09/05/07@1528	9/5/07 @11:19	9/14/07 @24:00	BPO/***
*AMPICILLIN (1 GM) *DEXTROSE 5% IN WATER (50 ML) Spec Inst: WATCH FOR INTERACTION WITH MVI Admin Times: 1300-1700									
IV-C	FUROSEMIDE INJ,SOLN			Give: BID	IVP	08/29/07@1359	8/3/06 @12:43	4/29/09 @12:00	DH/****

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 Dialog Box

The screenshot shows the 'Patient Medication Log' dialog box. It features a title bar with a close button. The main area is divided into several sections: 'Med Log' (with a tab), 'Start Date:' and 'Stop Date:' (both set to '9/ 5/2007'), 'Start Time:' (set to '0001') and 'Stop Time:' (set to '2400'), 'Include Detail:' (with 'Audits' unchecked and 'Comments' checked), 'Print by:' (with 'Patient' selected and 'Ward' unselected), and 'Print by Ward Options:' (with 'Sort by Patient' selected, 'Sort by Room-Bed' unselected, and 'Print Selected Patients on Ward - No Patients Selected' unselected). A 'Select Patients' button is located next to the 'Print by Ward Options' section. At the bottom, there 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.)

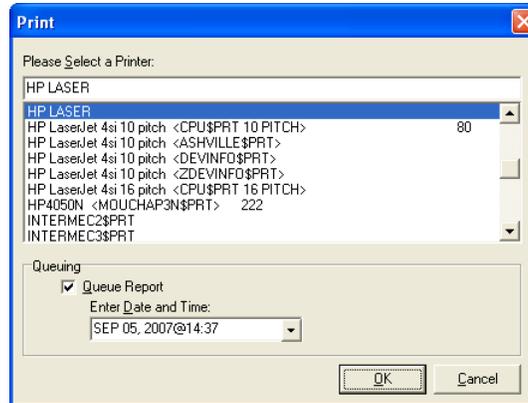


TIP:

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

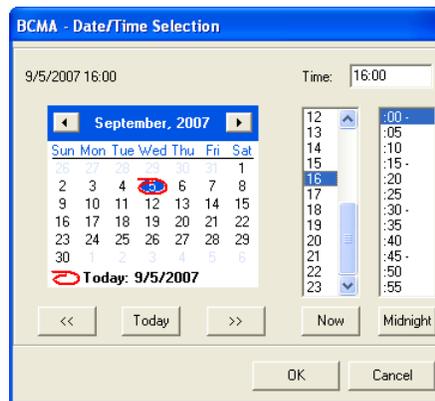
To view/print a Medication Log Report (cont.)

Example: Print Screen



- 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.

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 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

The screenshot shows a window titled "Patient Medication Log" with a scrollable text area containing the following information:

=====

MEDICATION LOG REPORT for SEP 04, 2007@0001 to SEP 05, 2007@2400
 Continuous/PRN/On-Call/One Time Medication/Treatment Record (Detailed Log) (VAF 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 HED 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/Cvn 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>				FLUORESCHEINE 2% OPHT SOL	1.00	1.00 2 drops
	Comments: 09/05/07 09:38 OB		Patient sleeping			
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>				HYDROCORTISONE 500MG/2ML INJ	1.00	1.00 500mg
	Comments: <No Comments>					
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>				MILK OF MAGNESIA 16 OZ.	1.00	1.00 30 ML
	PRN Reason: Indigestion					
	PRN Effectiveness: <No PRN Effectiveness Entered>					
	Comments: <No Comments>					
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			
8/29/07 14:12>				Bag ID #780V95	NA	NA NA
				MVI - 250 ML		
				DEXTROSE 5% IN WATER - 50 ML		
9/28/07 14:14<						
	Comments: <No Comments>					

=====

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

Medication Admin History

Med Admin History

Start Date: 8/30/2007 Stop Date: 9/ 5/2007

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 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.
 - 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 MAH Report (cont.)

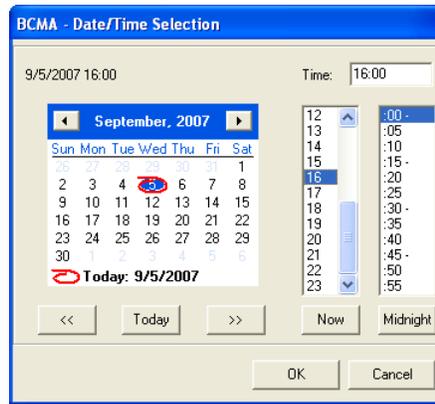


TIP:

You can print this report, after a patient has been discharged, using CHUI BCMA.

To view/print an MAH Report (cont.)

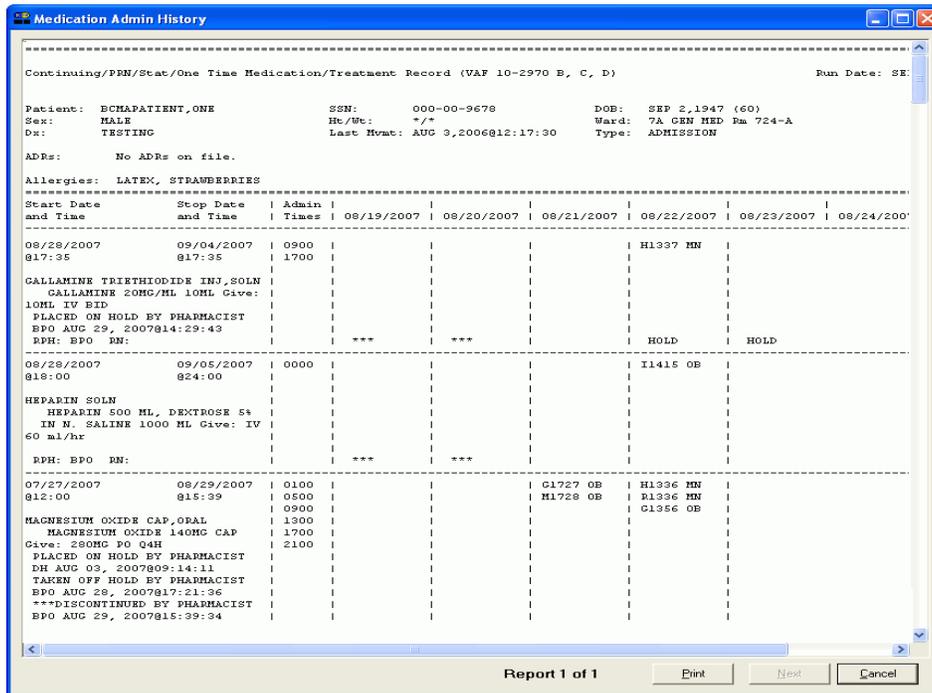
Example: Date/Time Selection for Print Queuing



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.

Example: MAH Report By Patient



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.

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: 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.

Example: Patient Missed Medications Dialog Box

The screenshot shows the 'Patient Missed Medications' dialog box. It features a title bar with a close button. The main area is titled 'Missed Medications' and contains several sections for configuring the report. The 'Start Date' and 'Stop Date' are both set to '9/ 5/2007'. The 'Start Time' is '0001' and the 'Stop Time' is '2400'. There are three sections for including data: 'Include Order Status' with checkboxes for 'Active', 'DC'd', and 'Expired'; 'Include Admin Status' with checkboxes for 'Missing Dose', 'Held', and 'Refused'; and 'Include Detail' with a checked checkbox for 'Comments/Reasons'. The 'Print by' section has radio buttons for 'Patient' (selected) and 'Ward'. Below 'Ward' is a dropdown menu and a checked checkbox for 'Exclude Inactive Wards'. The 'Print by Ward Options' section has radio buttons for 'Sort by Patient', 'Sort by Room-Bed', and 'Print Selected Patients on Ward - No Patients Selected', along with a 'Select Patients' button. At the bottom of the dialog are three buttons: 'Preview', 'Print', and 'Cancel'.

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.

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

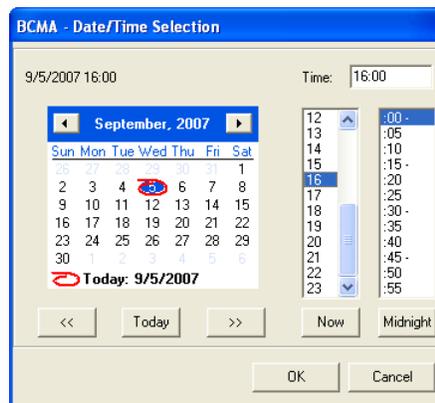
Viewing and Printing BCMA Reports

Viewing/Printing a Missed Medications Report (cont.)

To view/print a Missed Medications Report (cont.)

- 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 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.

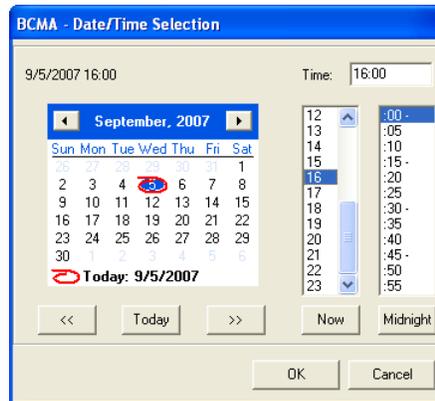
- 7 Perform one or more of the following actions, then click **OK**:
 - Select a printer from the drop-down list box that you want to use for outputting the PRN Effectiveness List Report.
 - Check the Queuing check box and enter the Date and Time you want the report to print. Click the **DOWN ARROW** 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

PRN EFFECTIVENESS LIST for Sep 05, 2007@00:01 to Sep 05, 2007@24:00 Run Date: SEP 05, 2007@17:05
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

Administration Date/Time	Medication	Administered By
SEP 05, 2007@11:24:40	MILK OF MAGNESIA	BCMANURSE,ONE
SEP 05, 2007@16:06:13	ALBUTEROL	BCMANURSE,ONE

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 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 a close button. The main content area includes two date pickers for 'Start Date' and 'Stop Date', both set to '9/ 5/2007'. Below these is a 'Print by' section with radio buttons for 'Patient' (selected) and 'Ward'. To the right of the 'Ward' radio button is a dropdown menu and a checked checkbox labeled 'Exclude Inactive Wards'. Underneath 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'. A 'Select Patients' button is to the right of these options. At the bottom right 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.

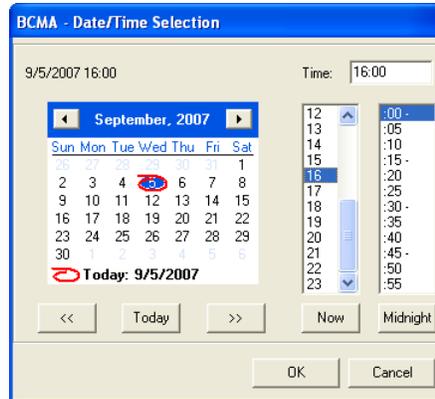
- 7 Perform one or more of the following actions, then click **OK**:
 - Select a printer from the drop-down list box that you want to use for outputting the Administration Times Report.
 - Check the Queuing check box and enter the Date and Time you want the report to print. Click the **DOWN ARROW** in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

Patient Ward Administration Times

PATIENT ADMINISTRATION TIMES Run Date: SEP 05, 2007@17:07
 ADMINISTRATION DATE: SEP 05, 2007 to SEP 05, 2007 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

Date/Time	Self Med	Medication	Dose/Route
SEP 05, 2007			
6:00a		FLUORESCHEIN SOLN,OPH	Dosage: 1 VIAL Route: LEFT EYE
9:00a		FUROSEMIDE INJ,SOLN	Dosage: Route: IVP INFUSE OVER 30 MIN.
12:00n		FLUORESCHEIN SOLN,OPH	Dosage: 1 VIAL Route: LEFT EYE
1:00p		AMPICILLIN INJ	Dosage: Route: IV PUSH INFUSE OVER 30 MIN.
1:00p		METOCLOPRAMIDE TAB	Dosage: 20MG Route: ORAL
2:40p		MULTIVITAMINS INJ	Dosage: Route: IVP INFUSE OVER 30 MIN.
2:40p		PENICILLIN INJ	Dosage: Route: INTRAVENOUS INFUSE OVER 100 MIN.
4:00p		FLUORESCHEIN SOLN,OPH	Dosage: 1 VIAL Route: LEFT EYE
5:00p		AMPICILLIN INJ	Dosage: Route: IV PUSH INFUSE OVER 30 MIN.
5:00p		FUROSEMIDE INJ,SOLN	Dosage: Route: IVP INFUSE OVER 30 MIN.
5:00p		METOCLOPRAMIDE TAB	Dosage: 20MG Route: ORAL

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 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

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

Medication History

=====

MEDICATION HISTORY for AUG 07, 2007 to SEP 05, 2007 Run Date: SEP 05, 2007@17:09
Page: 1

MEDICATIONS SEARCH LIST: FLUORESCHEIN

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	FLUORESCHEINE 2% OPHT SOL	1	2 drops
7A GEN MED 724-A	G	C	SEP 05, 2007@09:38	OB	FLUORESCHEINE 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	FLUORESCHEINE 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/ 5/2007 Stop Date: 9/ 5/2007

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:  ECMAPATIENT, 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: AUC 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%
=====
ECMAPATIENT, 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/ 5/2007 Stop Date: 9/ 5/2007

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 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.

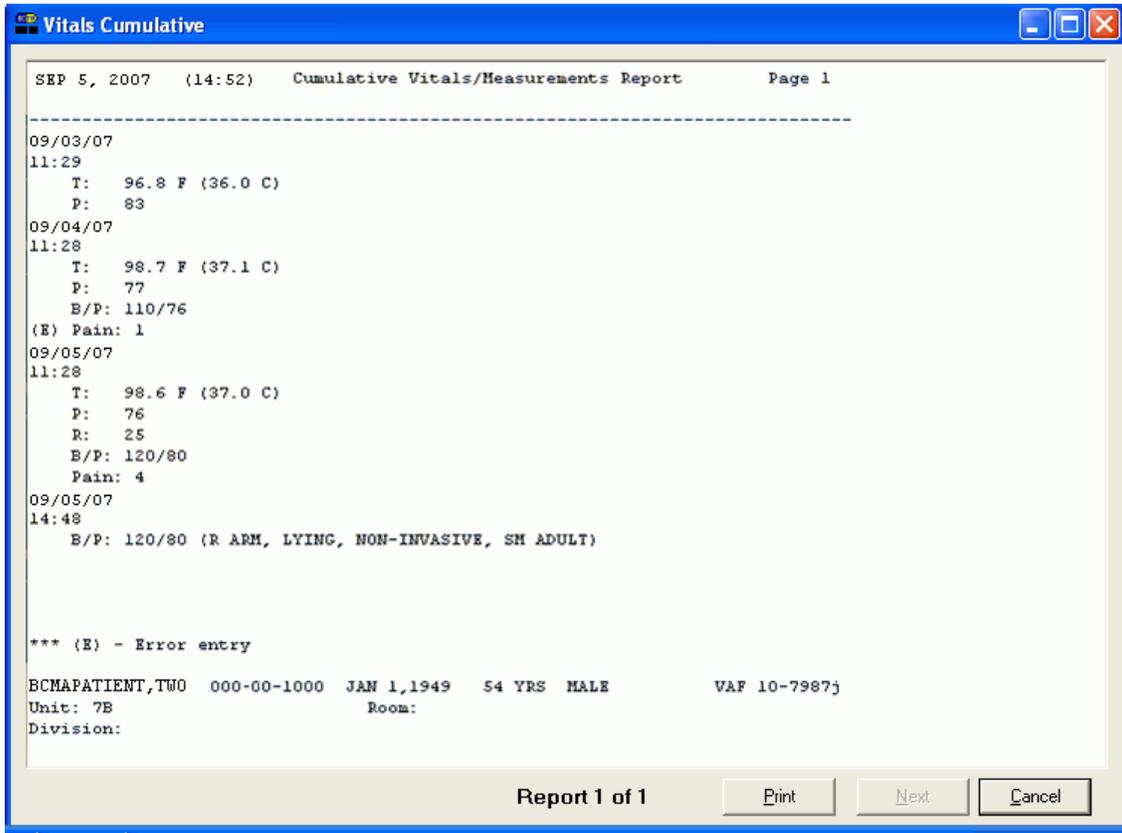
Note: The printer that you select becomes the “default” printer for *all* reports printed from BCMA.

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.

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

Viewing and Printing BCMA Reports

Viewing/Printing the Patient Record Flag Report (cont.)

To view/print a Patient Record Flag Report (cont.)

Example: PRF Report (National)

The screenshot shows a window titled "Patient Flags" displaying a "Patient Record Flag Report". The report includes the following information:

- Patient: SCHAPATIENT,ONE
- Sex: MALE
- Dx: TESTING
- ADRs: No ADRs on file.
- Allergies: LATEX, STRAWBERRIES
- Flag Name: BEHAVIORAL
- Flag Type: BEHAVIORAL
- Flag Category: I (NATIONAL)
- Assignment Status: Active
- Initial Assigned Date: OCT 13, 2004 07:46:43
- Approved by: ECHAMUSE,ONE
- Next Review Date: OCT 13, 2006
- Owner Site: ALBANY
- Originating Site: ALBANY
- Assignment Narratives: PATIENT PRONE TO EMOTIONAL OUTBURSTS.

At the bottom of the window, it says "Report 1 of 1" and has buttons for "Print", "Next", and "Cancel".

Example: PRF Report (Local)

The screenshot shows a window titled "Patient Flags" displaying a "Patient Record Flag Report". The report includes the following information:

- Patient: BCHAPATIENT,SIX
- Sex: FEMALE
- Dx: CHF
- ADRs: No ADRs on file.
- Allergies: No Allergy Assessment
- Flag Name: ISOLATION
- Flag Type: CLINICAL
- Flag Category: II (LOCAL)
- Assignment Status: Active
- Initial Assigned Date: OCT 12, 2004 015:59:02
- Approved by: ECHAMUSE,ONE
- Next Review Date: FEB 27, 2032
- Owner Site: ALBANY
- Originating Site: ALBANY
- Assignment Narratives: FREE TEXT NARRATIVE

At the bottom of the window, it says "Report 1 of 1" and has buttons for "Print", "Next", and "Cancel".

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.

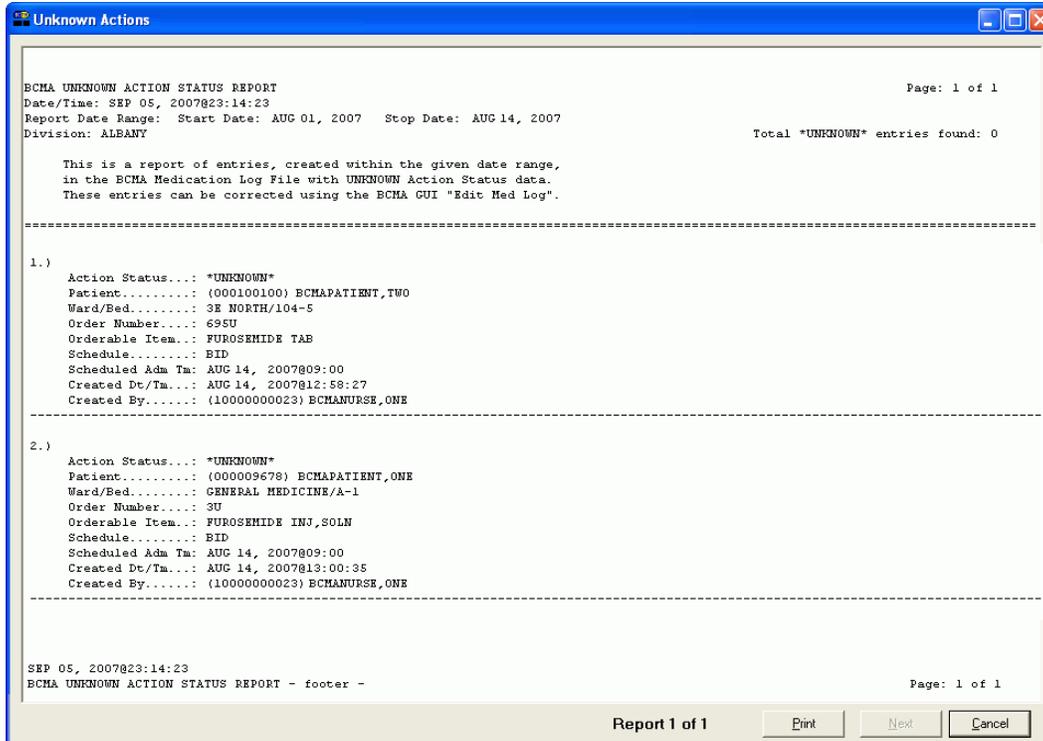
Viewing and Printing BCMA Reports

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

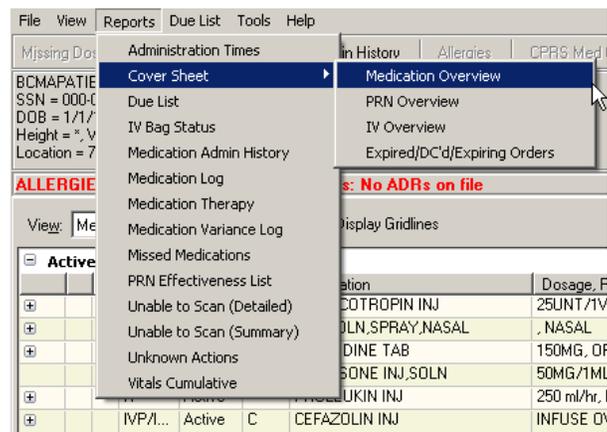
Viewing/Printing Cover Sheet Reports

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
 - **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—Medication Overview Report (cont.)

- 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

The screenshot shows a window titled "Medication Overview" with the following content:

```

=====
BCMA COVER SHEET MEDICATION OVERVIEW REPORT
Order Status(es): Future / Active / Expired / DC'd                               Run Date: SEP 05, 2007@23:45
Include Action(s) & Comments/Reasons                                         Page: 1

Patient: BCMA PATIENT, 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
=====
Total Orders reported: 19

Vdl | Order | Type | Medication/ Dosage, Route | Schedule | Next Action | Order Start | Order Stop |
Tab | Status | | | | | | Date | Date |
=====
ACTIVE (11 Orders)
=====
1
UD On Hold C (ACETAMINOPHEN/CODINE ELIXIR) Q6H Provider Hold 09/5/2007@0949 09/10/2007@0945
ACETAMINOPHEN, CODINE ELIXIR (OZ) ;
1 TEASPOONSFUL , ORAL

-----
2
UD Active P (ALBUTEROL AEROSOL) Q6H PRN 08/29/2007@1800 09/28/2007@1426
ALBUTEROL INHALER ; 1 puff , ORAL
INHALATION

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

-----
3
IVPB Active C (AMPICILLIN INJ) TID MISSED 09/5/2007@1700 09/5/2007@1119 09/14/2007@2400
AMPICILLIN, DEXTROSE 5% IN WATER ;
INFUSE OVER 30 MIN. , IV PUSH

BAG ID: 780V101 ACTION BY: OB 09/5/2007@1528 ACTION: GIVEN
COMMENT BY: OB 09/5/2007@1528 COMMENT: Pt off ward
    
```

At the bottom of the window, it says "Report 1 of 1" and has buttons for "Print", "Next", and "Cancel".

Viewing and Printing BCMA Reports

Viewing/Printing Cover Sheet–Medication Overview Report (cont.)

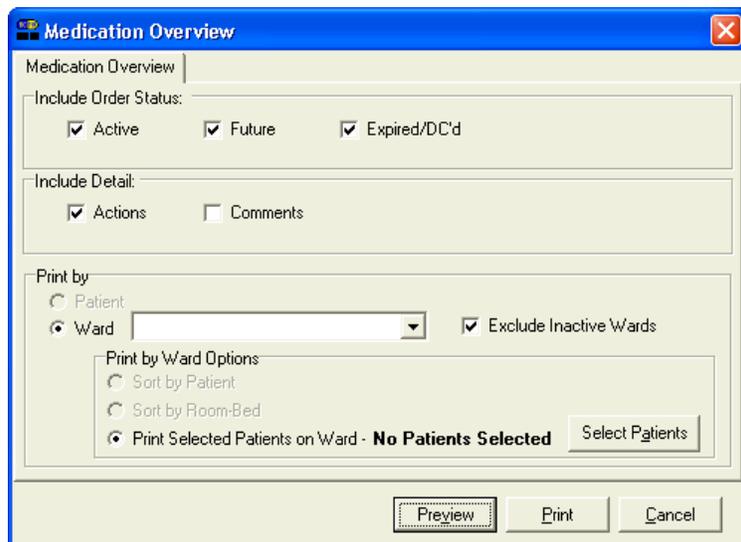
- 3) The third level displays comments associated with the action and includes the following header and information in the order listed below.
 - **Comment By:** the initials of the person that entered the comment and the date/time the comment was entered in MM/DD/YYYY@HHMM format
 - **Comment:** the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

- **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”.

Viewing and Printing BCMA Reports

Viewing/Printing Cover Sheet—PRN Overview Report (cont.)

- **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 COVERSHEET PRN OVERVIEW REPORT
Order Status(es): Future / Active / Expired / DC'd
Include Action(s) & Comments/Reasons

Run Date: SEP 05, 2007@23:46
Page: 1

Patient: BCHAPATIENT,ONE SSN: 000-00-9678 DOB: SEP 2,1947 (-225)
Sex: MALE Ht/Wt: */* Ward: 7A GEN MED Rm 724-A
Dx: TESTING Last Hvmt: AUC 3,2006@12:17:30 Type: ADMISSION

ADRs: No ADRs on file.

Allergies: LATEX, STRAWBERRIES

=====

Total Orders reported: 2

UDL Tab	Status	Type	Medication; Dosage, Route	Last Given	Since Last Given	Order Start Date	Order Stop 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

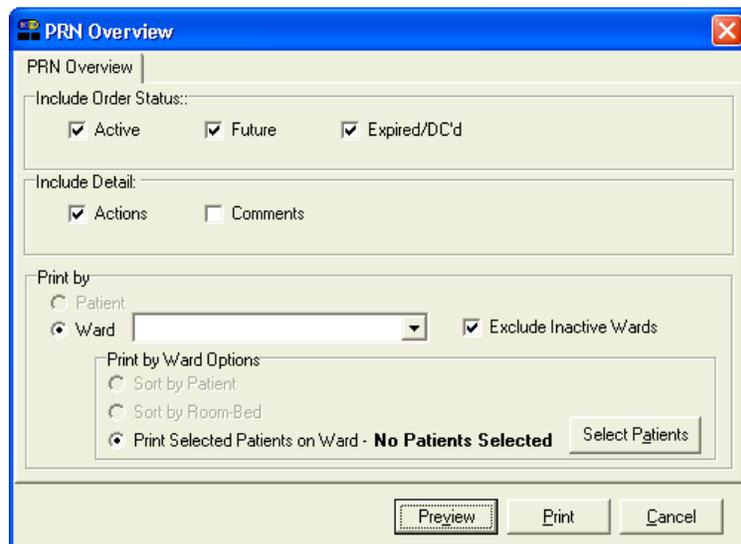
Viewing/Printing Cover Sheet–PRN Overview Report (cont.)

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



- 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.

- 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
- **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– IV Overview Report (cont.)

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

The screenshot shows a window titled "IV Overview" with the following content:

```

=====
BCMA COVER SHEET IV OVERVIEW REPORT
Order Type(s): Infusing Bags / Stopped Bags / All Others
Include Action(s) & Comments/Reasons
Run Date: SEP 05, 2007 8:23:47
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
=====
Total Items reported: 4
=====

```

Bag ID	Order Status	Bag Status	Medication; Infusion Rate, Route	Bag Info	Order Start Date	Order Stop Date

Infusing [1]						
=====						
1 7800V93	Active	INFUSING	(HEPARIN SOLN) HEPARIN, DEXTROSE 5% IN N. SALINE ; 60 ml/hr, INTRAVENOUS		08/28/2007@1800	09/5/2007@2400
			BY: OB 08/29/2007@1416 ACTION: COMMENT: Corrected injection site			
			BY: OB 08/29/2007@1415 ACTION: INFUSING			

Stopped [1]						
=====						
1 7800V100	Expired	STOPPED	(PROLURKIN INJ) PROLURKIN, DEXTROSE 5% IN N. SALINE ; 100 ml/hr, INTRAVENOUS		08/29/2007@1646	09/3/2007@1646
			BY: OB 08/29/2007@1650 ACTION: STOPPED COMMENT: Patient nauseated.			
			BY: OB 08/29/2007@1647 ACTION: INFUSING			

Report 1 of 1 Print Next Cancel

Viewing and Printing BCMA Reports

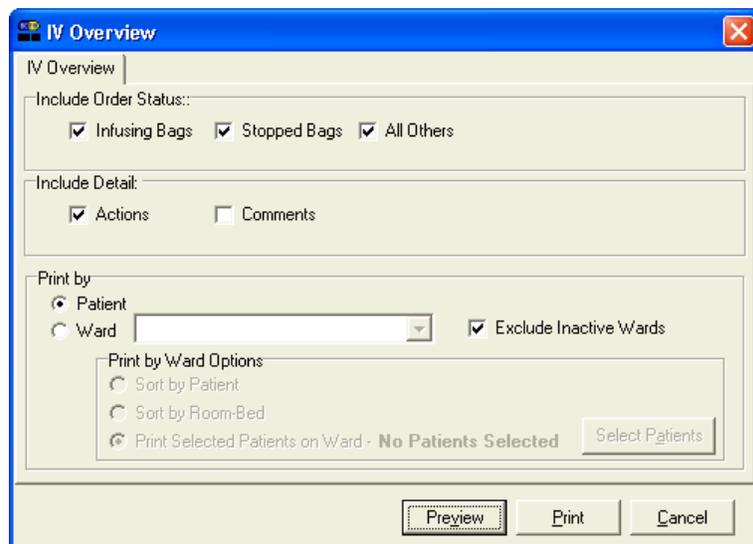
Viewing/Printing Cover Sheet– IV Overview Report (cont.)

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 and Comments.

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”.

- 6 **Keyboard Shortcut:** Use the **DOWN ARROW** to select the Ward, and then select a ward location from the drop-down list box. 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–IV 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)
 - **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 COVER SHEET EXPIRED/DC'd/EXPIRING ORDERS REPORT
 Order Status(es): Expired / DC'd / Expiring Today / Expiring Tomorrow
 Include Action(s) & Comments/Reasons
 Run Date: SEP 05, 2007 02:47
 Page: 1

Patient: BCHAPATIENT, ONE SSN: 000-00-9678 DOB: SEP 2, 1947 (60)
 Sex: MALE Ht/Wt: */* Ward: 7A GEN MED Rm 724-A
 Dx: TESTING Last Hxmt: AUG 9, 2006 @ 12:17:30 Type: ADMISSION

ADRs: No ADRs on file.

Allergies: LATEX, STRAWBERRIES
 Total Orders reported: 8

VDL	Status	Type	Medication, Dosage, Route	Schedule	Next Action	Order Start Date	Order Stop Date
Expired/DC'd (7 Orders)							
1	UD Discontinued (Edit)	C	(ACETAMINOPHEN/CODEINE ELIXIR) ACETAMINOPHEN, CODEINE ELIXIR (02) ; 1 TEASPOONFUL , ORAL	Q6H		09/5/2007 09:45	09/5/2007 09:49
2	IVPB Discontinued	C	(AMPICILLIN IN3) AMPICILLIN, DEXTROSE 5% IN WATER ; INFUSE OVER 20 MIN. , IVP	TID		09/5/2007 08:30	09/5/2007 08:20
Other Print Info: !MATCH FOR INTERACTION WITH MVI							
3	IVPB Discontinued	C	(AMPICILLIN IN3) AMPICILLIN, DEXTROSE 5% IN WATER ; INFUSE OVER 20 MIN. , IV PUSH	TID		09/5/2007 08:11	09/5/2007 08:12
Other Print Info: !MATCH FOR INTERACTION WITH MVI							

Report 1 of 1 Print Next Cancel

Viewing and Printing BCMA Reports

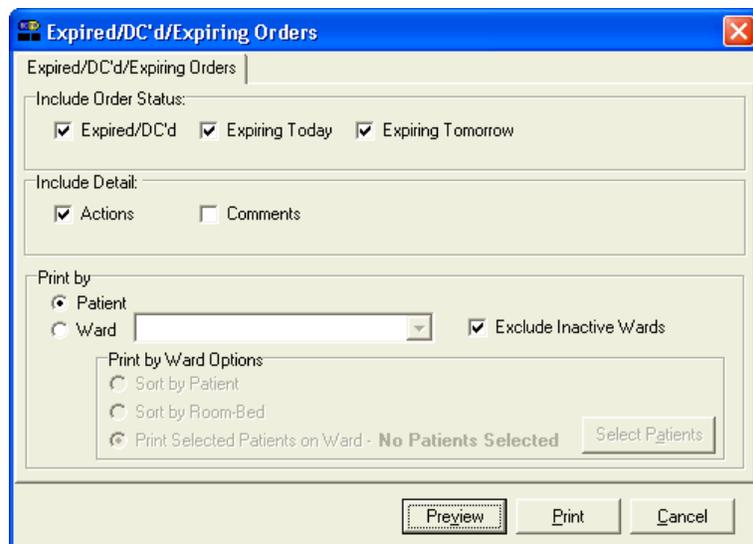
Viewing/Printing Cover Sheet–Expired/DC’d/Expiring Orders Report (cont.)

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



- 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 or Comments.

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

Start Date: 7/12/2007 Stop Date: 7/13/2007

Include Schedule Types:

- Continuous
- PRN
- On-Call
- One-Time

Include Detail:

- Comments

Medication Search:

Select Medications No Medications Selected

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 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.

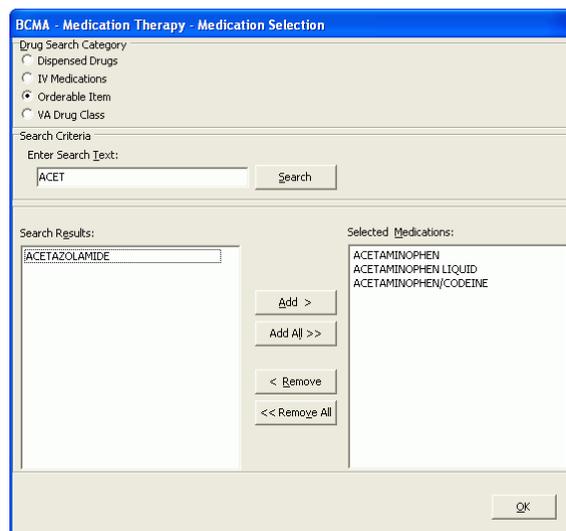
- 3 In the Include Schedule Types area, click inside the check boxes to exclude Continuous, PRN, On-Call, and One-Time in the Medication Therapy Report.

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.

Note: To include Inactive Wards, click inside the check box to deselect the default “Exclude Inactive Wards”.

Viewing and Printing BCMA Reports

Viewing/Printing a Medication Therapy Report (cont.)

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

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**.

12 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.

13 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.

Example: Medication Therapy Report

Medication Therapy

BCMA MEDICATION THERAPY REPORT for AUG 26, 20070001 to SEP 06, 200702400 Run Date: SEP 06, 2007
Schedule Type(s): Continuous / PM / OnCall / OneTime Page: 1
Include Comments

ORDERABLE ITEM SEARCH LIST: ACETAMINOPHEN LIQUID / ACETAMINOPHEN/CODINE / ACETAMINOPHEN

Patient: BCHAPATIENT,ONE SSN: 000-00-9678 DOB: SEP 2,1947 (60)
Sex: MALE H/F: F/W Ward: 7A GEN MED Rm 724-A
DX: TESTING Last Mvmt: AUG 3,2006012:17:30 Type: ADMISSION

ADPs: No ADPs 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, 2007013:57	OB		ACETAMINOPHEN 325MG TABLET	2	2	TAB
Comments: AUG 29, 2007013:57:09 OB Pain Score of 3 entered into Vitals via BCMA at 08/29/2007013:57									
7A GEN MED 724-A	G	P	AUG 28, 2007017:29	OB		ACETAMINOPHEN 325MG TABLET	2	2	TAB
Comments: AUG 28, 2007017:29:10 OB Pain Score of 6 entered into Vitals via BCMA at 08/28/2007017:29									

REPORT LEGEND

SCHEDULE TYPES	INITIALS
C - Continuous	OB - BCHAMURSE,ONE
O - One Time	
OC - On Call	
P - PM (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 the text 'IV Bag Status' and a close button. The main area is divided into several sections. The first section contains 'Start Date' and 'Stop Date' dropdown menus, both showing dates in 9/ 2/2007 and 9/ 5/2007 format. Below these are 'Start Time' and 'Stop Time' dropdown menus, both showing times in 0001 and 2400 format. The next section is 'Include Order Status' with three checked checkboxes: 'Active', 'DC'd', and 'Expired'. The following section is 'Include Bag Status' with six checked checkboxes: 'Completed', 'Infusing', 'Stopped', 'Missing Dose', 'Held', and 'Refused'. Below that is 'Include Detail' with one checked checkbox: 'Comments'. The 'Print by' section has two radio buttons: 'Patient' (selected) and 'Ward'. To the right of the 'Ward' radio button is a dropdown menu. Below the 'Ward' radio button is a section titled 'Print by Ward Options' with three radio buttons: 'Sort by Patient', 'Sort by Room-Bed', and 'Print Selected Patients on Ward - No Patients Selected'. To the right of the 'Print Selected Patients on Ward' radio button is a 'Select Patients' button. At the bottom of the dialog box are three buttons: 'Preview', 'Print', and 'Cancel'.

- 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.
- 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 Aug 26, 2007@00:01 to Sep 05, 2007@24:00 Run Date: SEP 05, 2007@23:56
 Order Status(es): Active / DC'd / Expired Page: 1
 Bag Status(es): Infusing / Stopped / Completed / No Action Taken / Missing Dose / Held / Refused
 Include Comments/Reasons

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

Order Start Date	Order Stop Date	Order Status	Medication	Bag UID	Bag Status	Action Date/Time
1 (23V) 08/4/2006@0950	08/27/2007@1636	Discontinued	KCL 20MEQ/D5/NACL 0.9%	780V76 Comment: Bag never marked as completed.	COMPLETED	08/28/2007@1737
2 (24V) 08/4/2006@0955	08/29/2007@1645	Discontinued	PROLEUKIN DEXTROSE 5% IN N. SALINE	780V78	COMPLETED	08/28/2007@0944
3 (25V) 08/4/2006@1410	08/28/2007@1736	Discontinued	KCL 20MEQ/D5/NACL 0.9%	780WS11	COMPLETED	08/28/2007@0944
4 (32V) 08/28/2007@1800	09/5/2007@2400	Active	HEPARIN DEXTROSE 5% IN N. SALINE	780V93	INFUSING	>24h 08/29/2007@1415
5 (38V) 08/29/2007@1646	09/3/2007@1646	Expired	PROLEUKIN DEXTROSE 5% IN N. SALINE	780V100 Comment: Patient nauseated.	STOPPED	>24h 08/29/2007@1650
6 (42V) * No Action Taken On Order *	08/29/2007@1536 09/14/2007@2400	Active	OXACILLIN D5 1/2NS W KCL 20MEQ	780V107 780V108 780V109	No Action On Order No Action On Order No Action On Order	

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/RmEd	TYPE	DRUG (ID#)	USER'S NAME	REASON UTS
1. SHERAM, BHYYTSE HIPLUI (8560)	NOV12,2008 09:05:23	9D-BU /917D1-3-BU	MED	ORD#: 34U INSULIN REC (5176)	CRABAR, SUZANNE R	Damaged Medication Label
COMMENT: [Verify Five Rights Override Selected] label was torn						
2. SHERAM, BHYYTSE HIPLUI (8560)	NOV12,2008 09:27:45	9D-BU /917D1-3-BU	WRIST		CRABAR, SUZANNE R	Damaged Wristband
COMMENT: rn notified						
3. SHERAM, BHYYTSE HIPLUI (8560)	NOV12,2008 01:33:05	9D-BU /917D1-3-BU	MED	ORD#: 32U NITROGLYCERIN 0.4MG/HR PATCH (2313)	CRABAR, SUZANNE R	Damaged Medication Label
COMMENT: [Verify Five Rights Override Selected] label is torn						
4. SHERAM, BHYYTSE HIPLUI (8560)	NOV12,2008 01:43:24	9D-BU /917D1-3-BU	WRIST		CRABAR, 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.

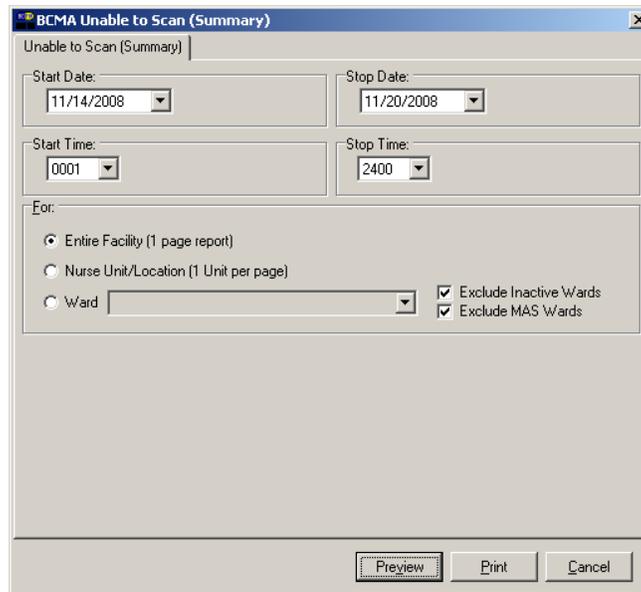
Note: This report is only accessible to users with the PSB UNABLE TO SCAN security key.

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.

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

Viewing and Printing BCMA Reports

Viewing/Printing an Unable to Scan (Summary) Report (cont.)

To view/print an Unable to Scan (Summary) Report (cont.)

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. *

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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		

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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		

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NOV 20, 2008@14:20:05
BCMA UNABLE TO SCAN (Summary) Page: 1 of 1

Report 1 of 1

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 VISTA 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 VISTA 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.
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.
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.
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.
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.
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.

Glossary

Example: Alphabetical Listing of BCMA Acronyms and Terms

Acronym/Term	Definition
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.
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.
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.”

Glossary

Example: Alphabetical Listing of BCMA Acronyms and Terms

Acronym/Term	Definition
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.