



INPATIENT MEDICATIONS

RELEASE NOTES

PSJ*5*315

August 2016

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1. Introduction

This document provides a brief description of new features of the enhancements to Bar Code Medication Administration (BCMA) and Inpatient Medications applications for Transdermal Administrations impacting Inpatient Medications for patch PSJ*5*315.

2. Enhancements

The Inpatient Medication Administration–Transdermal project aims to enhance the accuracy of administration of medications, thereby enhancing patient safety. The Inpatient Medication Administration–Transdermal enhancement provides a solution to address the errors in transdermal medication administration processes that have led to adverse patient events. The following features related to transdermal medications are needed to avert these errors in the future, by implementing these capabilities within Inpatient Medications Administration:

- Create a mechanism to remind the user to “follow up” on certain medications requiring additional steps in administration or assessment, e.g., alert the user to remove a transdermal medication at a specified time.
- Ensure previous statuses of multi-step medications appear in the Medication Administration History reports, e.g., the date and time a transdermal medication was applied or an intravenous fluid marked “infusing” will remain visible after it has been marked “removed” or “completed”, respectively.
- Change the software to differentiate between a change and a discontinued order and display an appropriate, corresponding alert.

3. Associated Patches

The following patches are associated with this patch:

- PSS*1*191
- PSB*3*83
- PSB*3*87
- OR*3*417

This PSJ*3*315 patch requires patch PSS*1*191. The full functionality introduced in this patch will not be available until patches PSB*3*83 and PSB*3*87 are installed. Pre-existing orders remain unaffected with installation of the patches. OR*3*417 provides report information to BCMA and Computerized Patient Record System (CPRS).

4. Menu Options

The *Inpatient Order Entry* [PSJ OE] option has a new DURATION OF ADMINISTRATION prompt added, which calculates the appropriate removal times and displays them for verification.

The *Edit Clinic Med Orders Start Date/Time* [PSJ ECO] option has changes to anticipate these new fields and request additional user activity when the orders require specific information that can only be entered via the *Inpatient Order Entry* [PSJ OE] option.

Note: Currently, sites have to create fake removal orders to avoid errors and to allow for appropriate removal of medications in BCMA. This patch alleviates that issue by prompting the user for DURATION OF ADMINISTRATION based on the value stored in the PROMPT FOR REMOVAL IN BCMA (#12) field contained in the ORDERABLE ITEM (#50.7) file, which is added by patch PSS*1*191.

5. New Prompt

This patch adds the new DURATION OF ADMINISTRATION prompt to the *Inpatient Order Entry* [PSJ OE] option, then calculates the appropriate removal times and displays them for verification.

6. New Fields

The NON-VERIFIED ORDERS File (#53.1) and UNIT DOSE Sub-file (#62) of the PHARMACY PATIENT File (#55) are updated to include new fields that control the removal process. These two files have the following four fields added:

- DURATION OF ADMINISTRATION (Field #137)
- REMOVE TIMES (Field #138)
- REMOVE PERIOD (Field #139)
- BCMA PROMPT FOR REMOVAL FLAG (Field #140)

Note: Patch PSS*1*191 created a new field called PROMPT FOR REMOVAL IN BCMA (Field #12) in the ORDERABLE ITEMS File (#50.7), which is used for information to be stored in the BCMA PROMPT FOR REMOVAL FLAG (Field #140) in the NON-VERIFIED ORDERS File (#53.1) and the UNIT DOSE Sub-file (#62) of the PATIENT PHARMACY File (#55).

7. Modified Routines

The following routines were modified:

- PSGAH
- PSGOD
- PSGOE
- PSGOE0
- PSGOE1
- PSGOE3
- PSGOE41
- PSGOE81

- PSGOE91
- PSGOEE
- PSGOEE0
- PSGOEEW
- PSGOEF
- PSGOEF1
- PSGOEM
- PSGOER
- PSGOETO
- PSGOT
- PSGOTR
- PSGVW
- PSGVW0
- PSJBCMA
- PSJBCMA1
- PSJCLOR2
- PSJCLOR5
- PSJCOM
- PSJCOM1
- PSJHL7
- PSJLMGUD
- PSJLMUDE
- PSJOE
- PSJOE1
- PSJOEA
- PSJORRE
- PSJORRE1
- PSGOE8
- PSGOE9
- PSJHL3

8. Hardware Interfaces

Clinicians interface with Veterans Health Information Systems and Technology Architecture (VistA) using personal computers, which are compatible with the standard software and hardware platforms outlined in Section 9, Software Interfaces.

9. Software Interfaces

VistA operates on the following standard server platforms used in Department of Veterans Affairs Medical Centers (VAMCs): Open M V. 4.0 route 43 and MS Windows 2000, NT, and VMS.

Inpatient Medications require the following versions (or higher) of VA software packages for proper implementation. The software listed is not included in this build and must be installed for the build to be completely functional.

Table 1: Software Requirements

Application	Version
Adverse Reaction Tracking	4.0
Decision Support System	3.0
Fee Basis	3.5
Integrated Funds Control, Accounting, and Procurement	5.0
Inpatient Medications	5.0
Integrated Billing	2.0

Application	Version
Kernel	8.0
Laboratory	5.2
Mailman	7.1
National Drug File	4.0
Nursing	4.0
Order Entry/Results Reporting	3.0
Outpatient Pharmacy	7.0
Patient Information Management Systems	5.3
Pharmacy Data Management	1.0
RPC Broker (32-bit)	1.1
Toolkit	7.3
VA FileMan	22.0

10. User Documentation

User documentation for Inpatient Medications v5.0 provides detailed information on the functionality, and can be found on the [VistA Software Document Library](#) (VDL). Inpatient Medications documents updated for this patch are listed below:

- Nurse's User Manual - PSJ_5_NURSE_UM_R0416.PDF
- Pharmacist's User Manual - PSJ_5_PHAR_UM_R0416.PDF
- Release Notes - PSJ_5_P315_RN.PDF

11. New Service Request Tickets Resolved

The following New Service Requests are associated with this patch:

- NSR 20141012: Pharmacy Safety Enhancements