



**CPRS GUI VERSION 27  
(PATCH# OR\*3\*243) AND ASSOCIATED  
PATCHES  
INSTALLATION GUIDE**

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**SEPTEMBER 2008**

## Revision History

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The most recent entries in this list are linked to the location in the manual they describe. Click on a link or page number to go to that section.

Date	Version/ Patch	Page	Change	Project Manager	Technical Writer
9/3/08	OR*3.0*300 (This is an informational patch only.)	5	<a href="#">Removed patch RA*5.0*70 from list of related patches.</a>	REDACTED	REDACTED
9/3/08	OR*3.0*300 (This is an informational patch only.)	12	<a href="#">Added a step for sites to review entries for intravenous additive and solutions and change a field to Yes, so that users can change, renew, and copy orders with the IV additives and solutions.</a>	REDACTED	REDACTED

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## **CPRS GUI v27 Installation Requirements and Notes**

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CPRS GUI Version 27 consists of two host files and five patches that are not included in the two host files. The two host files are: OR\_P SJ\_PSO\_27.KID and CPRS\_BUNDLE\_GUI\_27\_REQ\_REL.KID. These two host files contain software patches that support CPRS GUI v27 functionality. The host files were created to simplify installation at Veterans Health Administration (VHA) facilities.

The five patches are: OR\*3.0\*281, OR\*3.0\*299, PSS\*1.0\*94, PSS\*1.0\*123 and GMTS\*2.7\*84. The PSS patches are distributed independent of the host files because of CMOP considerations. GMTS\*2.7\*84 is distributed independent of the host files because it requires OR\*3.0\*243 (CPRS GUI v27). OR\*3.0\*281 is distributed independent of the host files because it installs a menu option that sites should run to identify Radiology Quick Orders that need to be updated. The radiology quick orders cannot be updated until after the installation of OR\*3.0\*243, but the report will give sites an idea of the scope of the change, and sites should make plans accordingly. OR\*3.0\*299 requires OR\*3.0\*243 (CPRS GUI v27) and Identifies/Fixes Truncated Patient Instructions.

### **Required Patches**

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Before you can install CPRS GUI v.27, you must verify that the following required patches are properly installed on your system:

- OR\*3.0\*232
- OR\*3.0\*245
- OR\*3.0\*246
- OR\*3.0\*254
- OR\*3.0\*255
- OR\*3.0\*256
- OR\*3.0\*258
- OR\*3.0\*265
- OR\*3.0\*275
- OR\*3.0\*277
- PSS\*1.0\*94 (part of the CPRS v.27 installation sequence)
- PSS\*1.0\*112
- PSS\*1.0\*118
- XU\*8.0\*498
- YS\*5.01\*92

## Related Patches

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To fully implement the new features in CPRS GUI v.27, the following related patches must be installed on your system:

- DG\*5.3\*703
- GMRC\*3.0\*55
- GMTS\*2.7\*85
- IB\*2.0\*339
- LR\*5.2\*364
- OR\*3.0\*281 (part of the installation sequence)
- PSJ\*5.0\*120
- PSJ\*5.0\*180
- PSO\*7.0\*292
- PSS\*1.0\*108
- PXR\*2.0\*6
- RA\*5.0\*86
- RA\*5.0\*92
- YS\*5.01\*85

## Patches Distributed in the CPRS v.27 Related and Required Installation Bundle (CPRS\_BUNDLE\_GUI\_27\_REQ\_REL.KID)

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The CPRS development team bundled the following patches together to make it easier for sites to install them. The patches are either required for OR\*3.0\*243 installation or are related (meaning that they provide support from an ancillary package for CPRS changes). When you install the CPRS\_BUNDLE\_GUI\_27\_REQ\_REL.KID host file, all of the patches in this bundle will be installed on your system.

- GMRA\*4.0\*38
- GMPL\*2.0\*35
- GMTS\*2.7\*80
- LR\*5.2\*365
- TIU\*1.0\*219
- WV\*1.0\*23

## **Patches Distributed in the CPRS v.27 Primary Bundle (OR\_Psj\_PSO\_27.KID)**

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This host file, OR\_Psj\_PSO\_27.KID, contains the CPRS GUI v.27 patch (OR\*3.0\*243) and two required pharmacy patches. When you install this host file, the three patches listed below will be installed on your system.

- PSJ\*5.0\*134
- PSO\*7.0\*225
- OR\*3.0\*243

## **Associated Patches to Be Installed after CPRS v.27**

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The following patches will be released separately from CPRS, but are part of the CPRS installation sequence.

- PSS\*1.0\*123 (part of the installation sequence)
- GMTS\*2.7\*84 (part of the installation sequence)
- OR\*3.0\*299 (part of the installation sequence)

## **Internet Explorer Requirements**

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Internet Explorer v4.0 (IE4) or later is REQUIRED in order for CPRS GUI v27 to run. However, IE5.5 or later is required for PKI functionality.

## **Installation Compliance Date**

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The compliance date for installation of OR\*3.0\*243 is 45 days. The extended compliance date is due to the complexity of CPRS GUI v27 and local training requirements.

The following patches have also extended their installation compliance dates to 45 days due to their interrelationship with CPRS GUI v27:

- GMRA\*4\*38
- GMPL\*2\*35
- GMTS\*2.7\*80
- GMTS\*2.7\*84
- LR\*5.2\*365
- OR\*3.0\*299
- PSJ\*5.0\*134
- PSO\*7.0\*225
- PSS\*1.0\*94
- PSS\*1.0\*123
- TIU\*1.0\*219
- WV\*1.0\*23

## **OE/RR REPORTS file (#101.24)**

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Items in the OE/RR REPORTS file (#101.24) with entry numbers greater than 999 are reserved, and should not be used for local enhancements. If you have any local changes to items in this number range that you want to keep, move them to an internal number <999. This patch will delete these entries numbers before proceeding with the install.

## **Local Modifications to CPRS GUI v27 Source Code**

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CPRS GUI v27 is compiled with Delphi 2006. Modification of CPRS GUI v27 Source Code requires Delphi 2006.

CPRS GUI v27 was compiled with the VA 508 Accessibility Framework. Modification of CPRS GUI v27 source code requires the VA 508 Accessibility Framework. Documentation is accessible at the following web site.

<http://vaww.vista.med.va.gov/508WorkGroup/Delphi/home.asp>

## **Software Retrieval**

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Download the necessary files from the FTP anonymous directories:  
download.vista.med.va.gov.

- CPRS\_BUNDLE\_GUI\_27\_REQ\_REL.KID
- OR\_Psj\_PSO\_27.KID
- OR\_30\_243.ZIP

## **CPRS GUI v27 Software Installation Instructions**

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This patch should be installed during non-peak hours to minimize disruption. No users should be accessing CPRS during the install as this prevents you from replacing CPRSChart.exe. Installation will take approximately 15 minutes or more, depending on the menu structure at your site.

Listed below are general installation instructions for installing the CPRS GUI v27 KIDS builds and other patches. For specific installation details, refer to the CPRS GUI v27 Software Installation Capture. Additionally, review the National Patch Module messages for each patch for patch-specific information.

1. From the Kernel Installation and Distribution System (KIDS) Menu, select the Installation menu.
2. Use Load a Distribution. You may need to prepend a directory name.
3. If given the option to run any Environment Check Routine(s), answer "YES."

4. From this menu, you may then elect to use the following options:
  - Backup a Transport Global
  - Compare Transport Global to Current System
  - Verify Checksums in Transport Global
5. When ready, select the Install Packages option.
6. When prompted "Want KIDS to Rebuild Menu Trees Upon Completion of Install? Yes//", respond "YES."
7. When prompted "Want KIDS to INHIBIT LOGONs during the install? YES//", respond "YES."
8. When prompted "Want to DISABLE Scheduled Options, Menu Options, and Protocols? YES//", respond YES. When prompted to select the options you would like to place out of order, enter the following:
 

OR OE/RR MENU CLINICIAN	CPRS Clinician Menu
OR OE/RR MENU NURSE	CPRS Nurse Menu
OR OE/RR MENU WARD CLERK	CPRS Ward Clerk Menu
OR CPRS GUI CHART	
9. When prompted "Delay Install (Minutes): (0-60): 0//; respond '0.'
10. Move the routines to other CPUs if appropriate.

## **CPRS GUI v27 Software Installation Sequence**

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1. Install OR\*3.0\*281 and run option ORCM RA SEARCH [RADIOLOGY/IMAGING QUICK ORDER SEARCH].  
 OR\*3.0\*281 installs a menu option ORCM RA SEARCH [RADIOLOGY/IMAGING QUICK ORDER SEARCH] that will assist sites in identifying Radiology Quick Orders that will need to be updated when sites install GUI v27.  
 The individual who runs the ORCM RA SEARCH menu option will receive a MailMan message that includes a report identifying Radiology Quick Orders. For additional information, see the patch description for OR\*3.0\*281.  
**Note:** You should review the report and plan the updates needed for quick orders BEFORE installing OR\*3\*243. The updates cannot be made until after the installation of OR\*3\*243, but you will need to make them as soon as possible.
2. OR\*3.0\*243 (CPRS GUI v27) implements new functionality to collect/transmit a "Reason for Study" on Imaging/Radiology orders. Prior to CPRS GUI v.27, only the "Clinical History" was collected. Sites that have implemented a PACS system should evaluate their configuration to accommodate both a "Reason for Study" and "Clinical History."



Please alert your PACS administrator about this change to avoid problems with processing orders with a “Reason for Study.”

With the release of RA\*5.0\*75, REASON FOR STUDY is now required. REASON FOR STUDY is being passed in OBR 31.2.

CLINICAL HISTORY FOR EXAM is now optional. It is being passed in OBX 5.1.

3. **WARNING:** Avoid installing CPRS GUI v27 software during the CMOP Transmission Process.
  - a.) Identify the scheduled times for the CMOP Transmission by accessing the following options:
    - Setup Auto-transmission [PSXR AUTO TRANSMIT]
    - Setup CS Auto-transmission [PSXR AUTO TRANSMIT CS]

**Note:** These options allow the user to change the times of the two transmissions. Do not change the transmission times without first communicating with the CMOP.

- b.) Check to see if a CMOP transmission is currently in progress using FileMan:

```
Select OPTION:      INQUIRE TO FILE ENTRIES

OUTPUT FROM WHAT FILE: CMOP SYSTEM//
Select CMOP SYSTEM:  CMOP-NATIONAL    ACTIVE
ANOTHER ONE:
STANDARD CAPTIONED OUTPUT? Yes// N (No)
FIRST PRINT FIELD:  XMIT STATUS
THEN PRINT FIELD:
Heading (S/C): CMOP SYSTEM LIST//
DEVICE:  VIRTUAL TELNET    Right Margin: 80//
CMOP SYSTEM LIST                                AUG  8,2008  11:26    PAGE 1
XMIT STATUS
-----
NO CURRENT TRANSMISSION
```

4. **WARNING:** PSO\*7.0\*225 is a required patch that is included in OR\_PJS\_PSO\_27.KID. It includes PSOLBL. If your site has implemented a Pharmacy Robot, it is likely that it will fail if PSOLBL has been modified locally. If your site has implemented a Pharmacy Robot, make a backup of PSOLBL before installing the CPRS GUI v27 software. After the install, you will need to compare the new PSOLBL to the backup and identify the differences implemented to support your Pharmacy Robot.
5. Make sure all Nationally Released Required patches are installed.
6. Make sure all Nationally Released Related patches are installed.
7. CPRS v27 will be unable to run without the updated version of the BORLNDMM.DLL.

The updated BORLNDMM.DLL was initially distributed with OR\*3.0\*252, *Correct CPRSUpdate.EXE Defects*. OR\*3.0\*252 instructed sites to appropriately place the updated BORLNDMM.DLL.

If sites use CPRSUpdate to update versions of CPRS, place the new BORLNDMM.DLL in the GOLD directory, and it will be updated automatically the next time CPRS is run on a workstation that uses CPRSUpdate.

If your site does not use CPRSUpdate to update versions of CPRS, or you have workstations that are updated by means other than CPRSUpdate, the BORLNDMM.DLL will need to be placed in the workstation or network server's CPRS directory, or in a location that is reachable via the workstation's PATH variable, replacing any previous copies that are installed.

Make sure that:

- The updated BORLNDMM.DLL is placed in your GOLD directory, **-or-**
- NO BORLNDMM.DLL is in your GOLD directory.

CPRS GUI v27 Users will experience the following error if the BORLNDMM.DLL is not updated:



8. Install PSS\*1.0\*94.

Please refer to the CPRS GUI v27 Installation Capture for installation details.

9. Install Required and Related Patches for OR\*3.0\*243:  
CPRS\_BUNDLE\_GUI\_27\_REQ\_REL.KID

Please refer to the CPRS GUI v27 Installation Capture for installation details.

10. Install OR\*3.0\*243 (CPRS GUI v27), PSJ\*5.0\*134 and PSO\*7\*225:  
OR\_PSI\_PSO\_27.KID

Please refer to the CPRS GUI v27 Installation Capture for installation details.

11. Install PSS\*1.0\*123.

Please refer to the CPRS GUI v27 Installation Capture for installation details.

12. Install GMTS\*2.7\*84.

Please refer to the CPRS GUI v27 Installation Capture for installation details.

13. Install OR\*3.0\*299.

- This patch creates a post install that repairs truncated patient instructions in the ORDERS file (#100). When a discrepancy is found between the patient instructions in the PRESCRIPTION file (#52) and the ORDERS file (#100), the text from the PRESCRIPTION file (#52) will be used to set the patient instructions into the ORDERS file (#100).
- The post install also creates the Modified Truncated Patient Instruction search report that shows what was done. The data is similar to the example below:

Patient/Division	SSN	Item/Dispense	Status/RX#	Stop/OIEN
CPRSOUTPATIENT,ONE	4695	ASPIRIN TAB	DISCONTINUED	02/06/2008
DAYTON		ASPIRIN 325MG BUFFER	2666542	12607212

14. Distribute CPRSCHART.EXE, CPRS.HLP, CPRS.CNT located in OR\_30\_243.ZIP.

These three files should be distributed to the same directory as the borIndmm.dll. Usually, these files are located in the CPRS directory.

15. Place the User and Technical Manual files in a location that can be accessed by CPRS users.

16. After CPRS v27 is installed into production, do the following:

- a) Review the New Parameters exported with CPRS GUI v27 (see listing below). You will need to set the values for all new parameters.
- b) Correct the Radiology quick orders you have identified from the search routine from the [ORCM RA SEARCH] option.
- c) If your site has implemented the new Mental Health Assistant (PXR\*2\*6 and YS\*5.01\*85) and OR USE MH DLL parameter is set to YES, make sure the following have been done:
  - YS\_MHA.dll and MHA3\_DLL\_Scoring.dll must be placed in the Common Files folder (same place as Vitals dll).
  - YS Broker1 must be assigned as a secondary menu option for users that:
    - Process MH tests in the new MHA3 executable
    - Have access to reminder dialogs in CPRS
  - Rebuild your Menus.
- d) Review the MailMan message generated when you ran the following option. This option was implemented with OR\*3.0\*281:  
ORCM RA SEARCH      RADIOLOGY/IMAGING QUICK ORDER
- e) Review the Quick Orders Mail Man message generated when you installed OR\*3.0\*243 or generate a new message by running the following option:  
MR    Medication Quick Order Report [OR MEDICATION QO CHECKER] which is located on ORDER MENU MANAGEMENT [ORCM MGM]

- f) Review the ADMINISTRATION SCHEDULES for your site and make sure the TYPE OF SCHEDULE field (51.1,5) is set to “P” for all PRN schedules. Otherwise, users will think they are ordering a PRN order; but CPRS and Pharmacy will not treat the order as a PRN order. PRN schedules may be updated using the following option under the PSS MGR menu:

PSS SCHEDULE EDIT      Standard Schedule Edit

- g) Evaluate IV Additives and IV Solution.
- Implementation of three new fields, IV Type, Route and Schedule, to the Infusion Order Dialog in CPRS GUI v.27 was done to address several PSIs, including:
- PSI-06-014: How epidural routes appear on the IV tab in BCMA and appear in CPRS under IV fluids is contributing to medication errors.
  - PSI-06-045: The CPRS IV dialogue lacks a field for the provider to enter the route of infusion.
  - PSI-07-036: Epidural QO with default of IV route may result in epidural given via IV port.

Implementing these changes requires sites to evaluate their IV Additives and IV Solutions and to set the USED IN IV FLUID ORDER ENTRY fields to YES in the IV ADDITIVES file (#52.6) and IV SOLUTIONS file (#52.7); otherwise, CPRS users will NOT be able to change, copy or renew IV orders.

Update these two fields using the following options:

**To update the IV Additives file:**

```
Select OPTION NAME: PSSJI DRUG
   1  PSSJI DRUG          Additives File
   2  PSSJI DRUG INQUIRY  Drug Inquiry (IV)
CHOOSE 1-2: 1  PSSJI DRUG          Additives File
Additives File
Select IV ADDITIVES PRINT NAME: DEXDEXAMETHASONE
          NATL FORM (NDC)
PRINT NAME: DEXAMETHASONE//
GENERIC DRUG: DEXAMETHASONE 4MG/ML 1ML INJ//
USED IN IV FLUID ORDER ENTRY: YES// ← This prompt should be set to YES
```

**To update the IV Solutions file:**

```
Select OPTION NAME: PSSJI SOLN          Primary Solution File (IV)
Primary Solution File (IV)
Select IV SOLUTIONS PRINT NAME: DEX DEXTROSE 10%          500 ML
          NATL FORM; 500ML SOLN IN 1000ML BAG
PRINT NAME: DEXTROSE 10%//
PRINT NAME {2}:
GENERIC DRUG: DEXTROSE 70% 500ML IN 1000ML BAG//
VOLUME: 500 ML//
Select ELECTROLYTES:
Select SYNONYM: D10W//
```

```
DRUG INFORMATION:
  No existing text
  Edit? NO//
AVERAGE DRUG COST: 7.45//
INACTIVATION DATE: JUN 21,1989//
USED IN IV FLUID ORDER ENTRY: NO// ← This prompt should be set to
YES
```

- h) Implement CPRS GUI v27 Functionality to Assist Visually Impaired Users. Place the JAWS Configuration Files as noted below. These files are included in OR\_30\_243.ZIP. Please see Appendix A of the User Manual for additional information such as keyboard short cuts.

**Note:** This is optional and should be done for those users with visual disabilities.

## **JAWS Configuration Files**

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JAWS is a screen reader application that enables a computer to verbally describe the controls and content of computer applications. For example, in CPRS, when a user changes tabs, JAWS will speak the name of the tab, such as “Orders”, enabling the visually-challenged user to navigate CPRS and complete necessary tasks.

Developers have created specialized scripts and CPRS components that enable JAWS to work more effectively with CPRS. As part of the CPRS GUI v.27 (OR\*3.0\*243) release a zip file (CPRS27\_JAWS\_SUPPORT\_FILES.ZIP) including the JAWS scripts and supporting files is being distributed.

The improvements work only with JAWS 7.1 or later. However, JAWS 8.0.2173 or later is best because it fixes a bug that caused CPRS to crash when reading progress notes with JAWS. This fix is not in earlier versions of JAWS 8.0.

Usually it is best for JAWS users stay up to date with the latest releases of the product.

- JAWS.SR - DLL used for communication between JAWS and CPRS
- JAWSUPDATE - Used to update JAWS 7.1 to work with the component
- VA508APP.jcf - JAWS configuration file
- VA508APP.JSS - JAWS script file
- VA508JAWS.jss - JAWS script file
- VA508JAWSDispatcher – Application used for communication between JAWS and multiple applications using the JAWS.SR DLL
- VA508APP.jkm - JAWS keyboard mapping file
- VA508JAWS.jsd - Documentation companion file to the VA508JAWS.jss script file
- Vcredist\_x86.exe is the Microsoft Visual C++ 2005 Redistributable. It’s called by JAWSUpdate.exe.

To use the accessibility features, a user must copy these files into Program Files\Vista\Common Files, which is normally found on the workstation at C:\Program

Files\Vista\Common Files. If the workstation is running JAWS 8.0.2173 or higher, nothing further is required.

If the workstation is running an earlier version of JAWS 8.0, or JAWS 7.1.500, the user must go to Program Files\Vista\Common Files and run JAWSUpdate.exe. JAWSUpdate installs a COM object for compatibility with these versions.

**Note:** You must have administrative rights on the machine to run JAWSUpdate.exe.

If the workstation is running a version of JAWS that is older than v 7.1.500, the new accessibility features in CPRS will not function. CPRS will function as it did without these changes, but the following error message will display:



## New Parameters Introduced with CPRS GUI v27

---

- OR ADMIN TIME HELP TEXT-- CPRS ADMINISTRATION TIMES HELP TEXT
  - System level parameter
  - This parameter defines the text message to display when the user clicks on the administration times on the complex dosage tab.
  - This parameter determines the information that is displayed in the *Administration Time Information* pop-up or Hover Hint that is displayed to the user. The pop-up includes the administration times for the dose and the help text defined in this parameter.
  - Access via:

```
IR CPRS Configuration (IRM)
XX General Parameter Tools
EP Edit Parameter Values
```

- OR CLOZ INPT MSG--DISPLAY TEXT: MSG TO DISPLAY ON INPT ORD OF CLOZAPINE
  - System level Parameter
  - This parameter defines the text that advises users about the site's policy regarding management of inpatient Clozapine orders.
  - Clozapine is usually prescribed in an outpatient setting, but it can be ordered for inpatients. However, the special appropriateness order checks that occur when finishing in the backdoor Outpatient Pharmacy setting do not occur in the finishing process in backdoor Inpatient Pharmacy. In addition, backdoor Outpatient Pharmacy sends the clozapine information to the National Clozapine Coordinating Center (NCCC) database. Some sites have directed the ordering provider to place a corresponding outpatient order when placing an inpatient clozapine order. The sites that have this policy can use the new OR CLOZ INPT MSG parameter to help reinforce this policy to the ordering providers.
  - Access via:

```
PE CPRS Configuration (Clin Coord)
GP GUI Parameters
CLOZ GUI Edit Inpatient Clozapine Message
```

- **OR DC REASON LIST—DISPLAY TEXT: DC REASON SEQUENCE**
  - System level parameter
  - This parameter sets the display sequence of the DC Reason list
  - This parameter determines the sequence sites want the order DC reasons to appear. Sites do not need to set a sequence for every DC Reasons. For example if a site wants to set the "Requesting Physician Cancelled" DC Reasons to the top of the list. Sites will set a value of 1 for that entry and CPRS will display the rest of the DC Reasons after the "Requesting Physician Cancelled" DC reason.
  - Access via:

```
IR CPRS Configuration (IRM)
XX General Parameter Tools
EP Edit Parameter Values
```

- **OR FLAGGED ORD REASONS—DISPLAY TEXT: LIST OF GENERIC FLAG REASONS**
  - System level parameter
  - This parameter allows sites to define standard generic reason's for flagging orders that the users can choose in the CPRS GUI.
  - Access via:

```
IR CPRS Configuration (IRM)
XX General Parameter Tools
EP Edit Parameter Values
```

- **OR LAPSE ORDERS—DISPLAY TEXT: LAPSE UNSIGNED/UNRELEASED ORDER BY GROUP**
  - Division, System level parameter
  - This parameter sets the number of days to keep unsigned/unreleased orders before lapsing them.
  - The purpose of this parameter is to store the number of days that old orders will be lapsed. This parameter is multi valued with an instance term of DISPLAY GROUPS. Thus the way it works is that you can set "Display Group A" so that old orders from this display group will lapse in 10 days for instance. Then you could have "Display Group B" set so that those orders would lapse when they are 20 days old. Display groups not individually set by this parameter are affected by the OR LAPSE ORDERS DFLT parameter.
  - By lapsing, it is meant that the order is placed in a LAPSED status
  - Access via:

```
IR CPRS Configuration (IRM)
XX General Parameter Tools
EP Edit Parameter Values
```



- **OR LAPSE ORDERS DFLT—DISPLAY TEXT: LAPSE UNSIGNED/UNRELEASED ORDER DEFAULT**
  - Division, system level parameter
  - This parameter sets the default for the number of days that old orders will be lapsed when those orders are from a DISPLAY GROUP that does not have parameter OR LAPSE ORDERS set
  - The purpose of this parameter is to store the number of days that old orders will be lapsed when those orders are from a DISPLAY GROUP that does not have parameter OR LAPSE ORDERS set. The default value that is set in this parameter will affect all orders that do not have a specific DISPLAY GROUP value. Thus if both "Display Group A" and "Display Group B" have parameter OR LAPSE ORDERS set for them but "Display Group C" does not, then orders from "Display Group C" will get lapsed in the number of days specified in OR LAPSE ORDERS DFLT.
  - Access via:

IR	CPRS Configuration (IRM)
XX	General Parameter Tools
EP	Edit Parameter Values

- **OR USE MH DLL—DISPLAY TEXT: Use MH DLL?**
  - System level parameter
  - This parameter is a toggle that allows/disallows use of the Mental Health DLL in Clinical Reminder dialogs
  - The purpose of this parameter is to allow sites to allow/disallow use of the Mental Health DLL when CPRS GUI v27 is installed. It is exported with a value of YES. If your site has not implemented PXRMM\*2\*6 and YS\*5.01\*85, you should change this setting to NO.
  - Access via:

IR	CPRS Configuration (IRM)
XX	General Parameter Tools
EP	Edit Parameter Values

- **ORWLR LC CHANGED TO WC—DISPLAY TEXT: MESSAGE FOR LC CHANGED TO WC**
  - Division, system, location, service, package level parameter
  - This parameter defines the text that provides instructions regarding specimen collection for orders that have been changed from lab collect to ward collect.
  - This will allow local customization of the message displayed to users when lab collect orders with continuous schedules are automatically changed to ward collect when lab collection is not available. Parameter allows 80 characters of text. The 80-character limit is necessary because this text will not wrap. The PACKAGE value exported with the parameter is the existing "Please contact the ward staff to insure the specimen is collected."
  - Access via:

IR	CPRS Configuration (IRM)
XX	General Parameter Tools
EP	Edit Parameter Values

- OR RA RFS CARRY ON—DISPLAY TEXT: OR RA RFS CARRY ON
  - System level parameter
  - This parameter determines if CPRS will carry on the text entered in the Reason for Study field of the Radiology (Imaging) order dialog to subsequent orders in the same ordering session.
  - By carry on means that when one order is entered the value entered in the Reason for Study field will be held and used again in subsequent Radiology orders.
  - Access via:

```
IR CPRS Configuration (IRM)
XX General Parameter Tools
EP Edit Parameter Values
```

### **CPRS / VBECS Parameters**

These parameters will not be evaluated by CPRS until VBECS is installed.

- OR VBECS COMPONENT ORDER –DISPLAY TEXT: List of Blood Components
  - System, Division, Package, User level parameter
  - This parameter allows a sequence to be assigned to Blood Components selectable from VBECS.
  - Access via:

```
IR CPRS Configuration (IRM)
XX General Parameter Tools
EP Edit Parameter Values
```

- OR VBECS MODIFIERS—DISPLAY TEXT: List of Component Modifiers
  - System, Package level parameter
  - This parameter allows local configuration of the blood component modifiers.
  - Access via:

```
IR CPRS Configuration (IRM)
XX General Parameter Tools
EP Edit Parameter Values
```

- OR VBECS REASON FOR REQUEST—DISPLAY TEXT: List of Reasons for Request
  - System, Package level parameter
  - This parameter allows local configuration of the Reasons for Request.
  - Access via:

```
IR CPRS Configuration (IRM)
XX General Parameter Tools
EP Edit Parameter Values
```

- OR VBECS SUPPRESS NURS ADMIN—DISPLAY TEXT: Suppress Nursing Admin Prompt
  - System, Division, Package level parameter
  - This parameter disables the prompt/pop-up that tells the user they must enter a Nursing Administration Order manually after entering a VBECS Blood order. Disabling this feature is usually done when a Nursing Administration order has been created and added to a VBECS order set.
  - Access via:

```
IR CPRS Configuration (IRM)
XX General Parameter Tools
EP Edit Parameter Values
```

- ORWDXVB VBECS TNS CHECK—DISPLAY TEXT: DAYS TO CHECK FOR TYPE & SCREEN
  - Division, system level parameter
  - This parameter is relevant for sites that have installed VBECS and OR\*3.0\*212.
  - This parameter is used in the VBECS Order Dialog to check for recent orders for a Type & Screen order. The default is 3 days, but a site can override this number by setting this parameter to something different. If it doesn't get set, the default of 3 days is used, which is standard in most circumstances. It would be up to the Blood Bank to determine otherwise.
  - Access via:

```
IR CPRS Configuration (IRM)
XX General Parameter Tools
EP Edit Parameter Values
```

## CPRS GUI v27 Display Change for Existing Parameter – OR UNSIGNED ORDERS ON EXIT

---

- The OR UNSIGNED ORDERS ON EXIT parameter allows sites to control how orders are displayed on the Review/Sign Changes dialog. The parameter OR UNSIGNED ORDERS ON EXIT may be set to include NEW ORDERS ONLY, MY UNSIGNED ORDERS, or ALL UNSIGNED ORDERS. If sites include ALL UNSIGNED ORDERS, CPRS could display orders that were quite old, but had never been signed and the provider might sign orders that should not be signed.  
To address this issue, the CPRS Clinical workgroup and the Patient Safety Workgroup, made some recommendations. If sites use the ALL UNSIGNED ORDERS options, the orders on the Review/Sign Changes dialog will be separated into three sections:
  - **My Unsigned Orders - This Session:** This list contains all orders written by the current user in the current session.
  - **My Unsigned Orders - Previous Sessions:** This list contains all orders written in previous sessions by the current user.

- **Others' Unsigned Orders - All Sessions:** This list contains all orders written by other users.

This should enable providers to distinguish which orders belong to them and which do not.

Additionally, when the user discontinues an unsigned/unreleased order, if the order was placed in the current ordering session the order is DELETED. If the order was placed in a different ordering session, then the order is CANCELLED. Deleted orders do not appear in the chart because other users never saw them, but it is possible that other clinicians saw the order placed in a different session so that information is retained in the chart and the order is given a CANCELLED status.

**Note:** Note on Ordering Session—With CPRS 27, how CPRS behaves when a user discontinues (DC) an order is affected by the ordering session. If the order is Dc'd in the same ordering session in which it was created, then it is deleted and no longer remains in the database. If the order is Dc'd in a different ordering session, then the order is given a status of CANCELLED and is still in the database in file 100. Special attention should be given to when an ordering session actually ends. It ends in one of the following 4 ways:

- The user switches patients
- The user closes CPRS
- The user performs a Review/Sign changes Action
- The user performs a Refresh Patient Information

## **CPRS GUI v27 Changed Definition of Existing Parameter – ORWOR WRITE ORDERS LIST**

---

- This parameter is used to list the order dialog names that should appear in the Write Orders list box of the CPRS GUI. This is the list of dialogs that should be used in the inpatient setting.

Since entry of an allergy was changed to be on the cover sheet, the GMRAOR ALLERGY ENTER/EDIT order dialog cannot be added to parameter ORWOR WRITE ORDERS LIST. The menus it was on work, but CPRS would not accept it on the write orders section nor on any new menus.

Resolution: Changed the definition of parameter ORWOR WRITE ORDERS LIST to allow entries of type ACTION from file 101.41. This was already allowed on order menus.

## CPRS GUI v27 Meds Tab Views Regulated by Existing Parameter—ORCH CONTEXT MEDS

---

- This parameter is used to specify a date range (in days) for Meds tab displays that dictate the length of time orders are displayed. The parameter provides strings of delimited (" ; ") pieces, the first two of which are always a relative date range. Users can determine the date range of medications that display on the Medications tab through the Tools | Options pull-down menu in CPRS.  
This parameter functions independently of display settings for the Orders tab. If you need to alter the display range for expired medication orders on the Orders tab, please adjust the ORWOR EXPIRED ORDERS parameter accordingly.
- This parameter should be reviewed at both the system level and user level. If the system level parameter is set to “**Value: ;T+1//**” users will not see any EXPIRED Meds. Listed below is an example setting ORCH CONTEXT MEDS to accommodate display of expired orders.

```
ORCH CONTEXT MEDS   Meds Tab Context
ORCH CONTEXT MEDS may be set for the following:
      1   User           USR   [choose from NEW PERSON]
      5   System        SYS   [SITE NAME.MED.VA.GOV]
Enter selection: 5   System   SITE NAME.MED.VA.GOV
----- Setting ORCH CONTEXT MEDS   for System: SITE NAME.MED.VA.GOV
-----
Value: T-120;T+1//
```

There isn't a separate parameter for Outpatient Meds vs Inpatient Meds. Outpatient medication reviewers need to go back 120 Days since there are typically a large number of Days Supply set at 90 and to capture this group the parameter will need to be set to go back in time.

On the other hand, users typically don't need to see expired orders that far back in time for Inpatient Orders. Since there is only one parameter to manage both types of orders, the Inpatient Users may complain about seeing a bunch of Expired, Discontinued, and Dc/Edit Orders that they haven't see in the past.

## New Graphing Resource Device

---

CPRS v.27 has improved performance on graphing patient data by using a “cache”, gathering the patient's data in advance of using graphing functions. This avoids always fetching the data.

To ensure that there is not excessive system processing for data extraction, developers added a new resource device (ORWG GRAPHING RESOURCE) in CPRS v27. It is initially set to allow only three processes to be running at one time. The Resource Slots field can be changed to allow more or fewer processes to occur.

For additional information, please see the *CPRS Technical Manual*.

## CPRS GUI v27 Software

---

### ***Patches Not Included in an OR\*3.0\*243 Bundle***

<b>PATCH</b>	<b>SUPPORTED FUNCTIONALITY</b>
GMTS*2.7*84	Adds Reason for Study to OE/RR Radiology Report and Health Summary
OR*3.0*281	Identifies Radiology/Imaging Quick Orders that may need editing
OR*3.0*299	Identifies and Repairs Truncated Patient Instructions in the ORDERS file (100)
PSS*1.0*94	Changes to input template PSSJ SCHEDULE EDIT
PSS*1.0*123	Supports Millimole Functionality

### **OR\_PSJ\_PSO\_27.KID-- PRIMARY BUILD**

<b>PATCH</b>	<b>SUPPORTED FUNCTIONALITY</b>
OR*3.0*243	Primary OR patch for CPRS GUI v27
PSJ*5.0*134	Primary Inpatient Medications patch supporting medication dialog changes
PSO*7.0*225	Primary Outpatient Pharmacy patch supporting medication dialog changes

### **CPRS\_BUNDLE\_GUI\_27\_REQ\_REL.KID**

<b>PATCH</b>	<b>SUPPORTED FUNCTIONALITY</b>
GMRA*4*38	Add "Entered in Error" Allergy Progress Note to CPRS signature list
GMPL*2*35	SHAD—Environmental Indicator (Shipboard Hazard And Defense)
GMTS*2.7*80	Pharmacy Encapsulation
LR*5.2*365	Support for PSI-05-027, PSI-05-001 Reformat Lab Reports
TIU*1.0*219	Graphing and Discharge Summary Attending Selection List Changes
WV*1.0*23	Support for PSI-05-001, PSI-06-068, PSI-06-134, PSI-07-014 and PSI-07-031

### **OR\_30\_243.ZIP**

The JAWS files are included in this zip file. JAWS files must be installed when the JAWS screen reader is used.

All the files in the JAWS Support Files zip file (CPRS27\_JAWS\_SUPPORT\_FILES.ZIP) should be copied into the Program Files\Vista\Common Files directory. One of these files, JAWSUPDATE.exe, must be run

in order to enable the JAWS code. This will install a Freedom Scientific COM object that is compatible with JAWS 7.1 or greater. You must have administrator rights on your machine when you run JAWSUPDATE. After running JAWSUPDATE, the user will no longer require administrator rights.

See table below for files included in the CPRS\_JAWS\_SUPPORT\_FILES.ZIP

FILE	VERSION	CONTENTS
Borlndmm.dll	10.0.2288.42451	New Borland DLL
CPRSCart.exe	1.0.27.77	CPRS GUI v27.77
CPRSGUIUM.doc	N/A	CPRS GUI User Manual
CPRSLMTM.doc	N/A	CPRS ListManager Technical Manual
OR_30_243RN.doc	N/A	CPRS v27 Release Notes
JAWS.SR	1.10	DLL used for communication between JAWS and CPRS
JAWSUpdate.exe	N/A	Used to update JAWS 7.1 to Work with the component
VA508APP.jcf	N/A	JAWS configuration file
VA508APP.jss	N/A	JAWS script file
VA508JAWS.jss	1137	JAWS script file
VA508JAWSDispatcher.exe	N/A	Application used for communication between JAWS and multiple applications using the JAWS.SR DLL
VA508APP.jkm	N/A	JAWS keyboard mapping file
VA508JAWS.jsd	N/A	Documentation companion file to the VA508JAWS.jss script file
vcredist_x86.exe	2.0.50727.42	Vcredist_x86.exe is the Microsoft Visual C++ 2005 Redistributable. It's called by JAWSUpdate.exe.

## CPRS GUI v27 Software Installation Capture

Select OPTION NAME: XPD MAIN    Kernel Installation & Distribution System

Edits and Distribution ...  
 Utilities ...  
 Installation ...  
 Patch Monitor Main Menu ...

Select Kernel Installation & Distribution System Option: Installation

## OR\*3\*281 Installation Capture

---

- 1 Load a Distribution
- 2 Verify Checksums in Transport Global
- 3 Print Transport Global
- 4 Compare Transport Global to Current System
- 5 Backup a Transport Global
- 6 Install Package(s)  
Restart Install of Package(s)  
Unload a Distribution

Select Installation Option: 6 Install Package(s)

Select INSTALL NAME: OR,281 OR\*3.0\*281 Loaded from Distribution 8/6/08@11:56:46  
=> OR\*3\*281

This Distribution was loaded on Aug 06, 2008@11:56:46 with header of  
OR\*3\*281

It consisted of the following Install(s):

OR\*3.0\*281

Checking Install for Package OR\*3.0\*281

Install Questions for OR\*3.0\*281

Want KIDS to Rebuild Menu Trees Upon Completion of Install? NO//

Want KIDS to INHIBIT LOGONs during the install? NO//

Want to DISABLE Scheduled Options, Menu Options, and Protocols? NO//

Enter the Device you want to print the Install messages.

You can queue the install by enter a 'Q' at the device prompt.

Enter a '^' to abort the install.

Install Started for OR\*3.0\*281:

Aug 06, 2008@11:57:31

Build Distribution Date: Jul 29, 2008

Installing Routines:

Aug 06, 2008@11:57:32

Installing PACKAGE COMPONENTS:



Installing OPTION:  
Aug 06, 2008@11:57:32

Updating Routine file...

Updating KIDS files...

OR\*3.0\*281 Installed.  
Aug 06, 2008@11:57:32

Install Completed

## **PSS\*1\*94 Installation Capture**

---

- 1 Load a Distribution
- 2 Verify Checksums in Transport Global
- 3 Print Transport Global
- 4 Compare Transport Global to Current System
- 5 Backup a Transport Global
- 6 Install Package(s)  
Restart Install of Package(s)  
Unload a Distribution

Select Installation Option: 6 Install Package(s)  
Select INSTALL NAME: PSS,94 PSS\*1.0\*94 Loaded from Distribution 8/6/08@12:  
00:15  
=> PSS\*1\*94

This Distribution was loaded on Aug 06, 2008@12:00:15 with header of  
PSS\*1\*94

It consisted of the following Install(s):  
PSS\*1.0\*94

Checking Install for Package PSS\*1.0\*94

Install Questions for PSS\*1.0\*94

Want KIDS to INHIBIT LOGONs during the install? NO//  
Want to DISABLE Scheduled Options, Menu Options, and Protocols? NO//

Enter the Device you want to print the Install messages.  
You can queue the install by enter a 'Q' at the device prompt.  
Enter a '^' to abort the install.

Install Started for PSS\*1.0\*94 :

Aug 06, 2008@12:00:34

Build Distribution Date: Mar 03, 2008

Installing Routines:

Aug 06, 2008@12:00:35

Installing PACKAGE COMPONENTS:

Installing INPUT TEMPLATE:

Aug 06, 2008@12:00:35

Updating Routine file...

Updating KIDS files...

PSS\*1.0\*94 Installed.

Aug 06, 2008@12:00:35

Install Completed

## **CPRS\_BUNDLE\_GUI\_27\_REQ\_REL.KID Installation Capture**

---

- 1 Load a Distribution
- 2 Verify Checksums in Transport Global
- 3 Print Transport Global
- 4 Compare Transport Global to Current System
- 5 Backup a Transport Global
- 6 Install Package(s)  
Restart Install of Package(s)  
Unload a Distribution

Select Installation Option: 1 Load a Distribution

Enter a Host File: CPRS\_BUNDLE\_GUI\_27\_REQ\_REL.KID

KIDS Distribution saved on Jun 18, 2008@09:19:26

Comment: CPRS27 REQUIRED BUNDLE - RELEASED

This Distribution contains Transport Globals for the following Package(s):

CPRS BUNDLE GUI 27.0

WV\*1.0\*23

TIU\*1.0\*219

GMPL\*2.0\*35

GMRA\*4.0\*38

GMTS\*2.7\*80

LR\*5.2\*365  
Distribution OK!

Want to Continue with Load? YES//  
Loading Distribution...

CPRS BUNDLE GUI 27.0  
WV\*1.0\*23  
TIU\*1.0\*219  
GMPL\*2.0\*35  
GMRA\*4.0\*38  
GMTS\*2.7\*80  
Build LR\*5.2\*365 has an Environmental Check Routine  
Want to RUN the Environment Check Routine? YES//  
LR\*5.2\*365  
Will first run the Environment Check Routine, LR365

Sending transport global loaded alert to mail group G.LMI

Use INSTALL NAME: CPRS BUNDLE GUI 27.0 to install this Distribution.

- 1 Load a Distribution
- 2 Verify Checksums in Transport Global
- 3 Print Transport Global
- 4 Compare Transport Global to Current System
- 5 Backup a Transport Global
- 6 Install Package(s)  
Restart Install of Package(s)  
Unload a Distribution

Select Installation Option: 6 Install Package(s)

Select INSTALL NAME: CPRS BUNDLE GUI 27.0      Loaded from Distribution 8/6/08  
@12:26:22

=> CPRS27 REQUIRED BUNDLE - RELEASED ;Created on Jun 18, 2008@09:19:26

This Distribution was loaded on Aug 06, 2008@12:26:22 with header of  
CPRS27 REQUIRED BUNDLE - RELEASED ;Created on Jun 18, 2008@09:19:26

It consisted of the following Install(s):

CPRS BUNDLE GUI 27.0    WV\*1.0\*23    TIU\*1.0\*219    GMPL\*2.0\*35  
GMRA\*4.0\*38    GMTS\*2.7\*80    LR\*5.2\*365  
Checking Install for Package CPRS BUNDLE GUI 27.0

Install Questions for CPRS BUNDLE GUI 27.0

Checking Install for Package WV\*1.0\*23

Install Questions for WV\*1.0\*23

Checking Install for Package TIU\*1.0\*219

Install Questions for TIU\*1.0\*219

Incoming Files:

8925 TIU DOCUMENT (Partial Definition)

Note: You already have the 'TIU DOCUMENT' File.

8925.95 TIU DOCUMENT PARAMETERS (Partial Definition)

Note: You already have the 'TIU DOCUMENT PARAMETERS' File.

Checking Install for Package GMPL\*2.0\*35

Install Questions for GMPL\*2.0\*35

Incoming Files:

9000011 PROBLEM (Partial Definition)

Note: You already have the 'PROBLEM' File.

Checking Install for Package GMRA\*4.0\*38

Install Questions for GMRA\*4.0\*38

Checking Install for Package GMTS\*2.7\*80

Install Questions for GMTS\*2.7\*80

Checking Install for Package LR\*5.2\*365

Will first run the Environment Check Routine, LR365

--- Environment Check is Ok ---

Install Questions for LR\*5.2\*365

Want KIDS to Rebuild Menu Trees Upon Completion of Install? YES//

Want KIDS to INHIBIT LOGONs during the install? NO//

Want to DISABLE Scheduled Options, Menu Options, and Protocols? NO//

Enter the Device you want to print the Install messages.

You can queue the install by enter a 'Q' at the device prompt.

Enter a '^' to abort the install.

Install Started for CPRS BUNDLE GUI 27.0 :

Aug 06, 2008@12:27:39

Build Distribution Date: Jun 18, 2008

Installing Routines:

Aug 06, 2008@12:27:39

Install Started for WV\*1.0\*23 :

Aug 06, 2008@12:27:39

Build Distribution Date: Aug 01, 2007

Installing Routines:

Aug 06, 2008@12:27:39

Updating Routine file...

Updating KIDS files...

WV\*1.0\*23 Installed.

Aug 06, 2008@12:27:39

Install Started for TIU\*1.0\*219 :

Aug 06, 2008@12:27:39

Build Distribution Date: Feb 04, 2008

Installing Routines:

Aug 06, 2008@12:27:40

Installing Data Dictionaries:  
Aug 06, 2008@12:27:40

Installing PACKAGE COMPONENTS:

Installing REMOTE PROCEDURE:  
Aug 06, 2008@12:27:40

Running Post-Install Routine: ^TIUPS219

Compiling TIU ENTER/EDIT DS Input Template of File 8925..

'TIUEDS1' ROUTINE FILED..  
'TIUEDS2' ROUTINE FILED.....  
'TIUEDS3' ROUTINE FILED.  
'TIUEDS4' ROUTINE FILED.  
'TIUEDS' ROUTINE FILED.....  
'TIUEDS6' ROUTINE FILED.  
'TIUEDS7' ROUTINE FILED....  
'TIUEDS8' ROUTINE FILED.  
'TIUEDS9' ROUTINE FILED.  
'TIUEDS5' ROUTINE FILED.....  
'TIUEDS11' ROUTINE FILED.  
'TIUEDS12' ROUTINE FILED..  
'TIUEDS13' ROUTINE FILED.  
'TIUEDS10' ROUTINE FILED.  
'TIUEDS14' ROUTINE FILED.

Updating Routine file...

The following Routines were created during this install:

TIUXRC  
TIUXRC1  
TIUXRC2  
TIUXRC3  
TIUXRC4  
TIUXRC5  
TIUXRC6

Updating KIDS files...

TIU\*1.0\*219 Installed.  
Aug 06, 2008@12:27:41

Install Started for GMPL\*2.0\*35 :  
Aug 06, 2008@12:27:41

Build Distribution Date: Mar 21, 2008

Installing Routines:  
Aug 06, 2008@12:27:41

Installing Data Dictionaries:  
Aug 06, 2008@12:27:41

Updating Routine file...

Updating KIDS files...

GMPL\*2.0\*35 Installed.  
Aug 06, 2008@12:27:41

Install Started for GMRA\*4.0\*38 :  
Aug 06, 2008@12:27:41

Build Distribution Date: May 04, 2007

Installing Routines:  
Aug 06, 2008@12:27:41

Running Post-Install Routine: POST^GMRAY38

Updating Routine file...

Updating KIDS files...

GMRA\*4.0\*38 Installed.  
Aug 06, 2008@12:27:48

Install Started for GMTS\*2.7\*80 :  
Aug 06, 2008@12:27:48

Build Distribution Date: May 21, 2007

Installing Routines:  
Aug 06, 2008@12:27:48

Updating Routine file...

Updating KIDS files...

GMTS\*2.7\*80 Installed.

Aug 06, 2008@12:27:48

Install Started for LR\*5.2\*365 :

Aug 06, 2008@12:27:48

Build Distribution Date: Apr 23, 2008

Installing Routines:

Aug 06, 2008@12:27:48

Installing PACKAGE COMPONENTS:

Installing OPTION

Aug 06, 2008@12:27:49

Updating Routine file...

Updating KIDS files...

LR\*5.2\*365 Installed.

Aug 06, 2008@12:27:49

Updating Routine file...

Updating KIDS files...

CPRS BUNDLE GUI 27.0 Installed.

Aug 06, 2008@12:27:49

Install Completed



## Checksum Value Verification

---

- 1 Load a Distribution
- 2 Verify Checksums in Transport Global
- 3 Print Transport Global
- 4 Compare Transport Global to Current System
- 5 Backup a Transport Global
- 6 Install Package(s)  
Restart Install of Package(s)  
Unload a Distribution

Select Installation Option: 2 Verify Checksums in Transport Global

Select INSTALL NAME: OR PSJ PSO 27 1.0 Loaded from Distribution 8/6/08@12:42:05

=> CPRS27 AND REQUIRED PHARMACY PATCHES - RELEASED ;Created on Jun 18, 2

This Distribution was loaded on Aug 06, 2008@12:42:05 with header of

CPRS27 AND REQUIRED PHARMACY PATCHES - RELEASED ;Created on Jun 18, 2008@09:

54:06

It consisted of the following Install(s):

OR PSJ PSO 27 1.0 PSJ\*5.0\*134 PSO\*7.0\*225 OR\*3.0\*243

Want each Routine Listed with Checksums: Yes// YES

PACKAGE: OR PSJ PSO 27 1.0 Aug 06, 2008 12:43 pm

PAGE 1

-----

0 Routine checked, 0 failed.

PACKAGE: PSJ\*5.0\*134 Aug 06, 2008 12:43 pm

PAGE 1

-----

PSGOE1 Calculated 29072557  
PSGOE6 Calculated 24315055  
PSGOEC Calculated 67210353  
PSGOECS Calculated 48040655  
PSGOEF Calculated 63235308  
PSGOT Calculated 14273547  
PSGS0 Calculated 51528600  
PSIVCAL Calculated 65800854  
PSIVEDT Calculated 41996183  
PSIVORA Calculated 28909914

PSIVORC Calculated 24718262  
PSIVORC1 Calculated 43227243  
PSIVOREN Calculated 27138020  
PSIVORFA Calculated 24701688  
PSIVORFB Calculated 50190472  
PSIVSP Calculated 37490534  
PSIVUTL1 Calculated 26385588  
PSJHL2 Calculated 36875797  
PSJHL3 Calculated 65300768  
PSJHL4 Calculated 72457593  
PSJHL4A Calculated 56736588  
PSJHL5 Calculated 31480184  
PSJHL9 Calculated 61245429  
PSJHLU Calculated 34501644  
PSJLIACT Calculated 40055313  
PSJLIVFD Calculated 39296093  
PSJLIVMD Calculated 77166995  
PSJOREN Calculated 15419073  
PSJORPOE Calculated 37937868  
PSJORRE Calculated 32121973  
PSJORRE1 Calculated 35337470  
PSJORREN Calculated 20851674  
PSJORRN Calculated 60756345  
PSJORRN1 Calculated 54888629  
PSJORRO Calculated 61708639  
PSJORUT2 Calculated 47514615  
PSJUTL Calculated 65061820

37 Routines checked, 0 failed.

PACKAGE: PSO\*7.0\*225 Aug 06, 2008 12:43 pm

PAGE 1

-----  
PSOCAN3 Calculated 70221168  
PSOCAN3N Calculated 656532  
PSOCAN4 Calculated 42375050  
PSOCIDC2 Calculated 71704423  
PSOCP Calculated 67321239  
PSOCP1 Calculated 5367762  
PSOCP2 Calculated 74796456  
PSOCPE Calculated 80668529  
PSODIAG Calculated 63590551  
PSOHLDA Calculated 10014334  
PSOHLNE1 Calculated 73330251  
PSOHLNE2 Calculated 60250922  
PSOHLNE3 Calculated 61361284  
PSOHLNE4 Calculated 17206219

PSOHLNEW Calculated 80329211  
PSOHLPII Calculated 53884421  
PSOHLPI3 Calculated 64280169  
PSOHLN1 Calculated 71972158  
PSOHLN2 Calculated 7919233  
PSOHLN3 Calculated 4822097  
PSOHLN4 Calculated 54704997  
PSOHLUP Calculated 20030650  
PSOLBL Calculated 63143813  
PSOLBL1 Calculated 29469598  
PSOLLI Calculated 66409595  
PSOLMAO Calculated 247627  
PSOLMPO Calculated 1183408  
PSOLMPO1 Calculated 1200387  
PSOLMPO2 Calculated 590140  
PSOLMRN Calculated 567748  
PSOLMUTL Calculated 10572703  
PSOMLLD2 Calculated 28319271  
PSOMLLDT Calculated 86446402  
PSON52 Calculated 62785056  
PSONEW Calculated 28292272  
PSONEW2 Calculated 32398190  
PSONEWF Calculated 38013501  
PSONEWG Calculated 25309370  
PSONFI Calculated 9036524  
PSOORFI1 Calculated 74027837  
PSOORFI2 Calculated 90909677  
PSOORFI3 Calculated 74814603  
PSOORFI5 Calculated 18224487  
PSOORFI6 Calculated 23497771  
PSOORFIN Calculated 59563720  
PSOORFL Calculated 917206  
PSOORNE4 Calculated 68513696  
PSOORNE5 Calculated 60780567  
PSOORNEW Calculated 72157265  
PSOORRL Calculated 64370128  
PSOORRL3 Calculated 23985690  
PSOORRLN Calculated 43625961  
PSOORRLO Calculated 39129717  
PSOORRNW Calculated 24091362  
PSOORUT1 Calculated 67437810  
PSOORUTL Calculated 42932698  
PSOPFSU0 Calculated 16719729  
PSOPFSU1 Calculated 33416502  
PSOPTPST Calculated 27932490  
PSORENW1 Calculated 60533620

PSORENW4 Calculated 56219403  
PSORN52 Calculated 46207711  
PSORN52A Calculated 18565756  
PSORN52C Calculated 49927643  
PSORN52D Calculated 41922848

65 Routines checked, 0 failed.

PACKAGE: OR\*3.0\*243 Aug 06, 2008 12:43 pm

PAGE 1

---

OCXOCMP Calculated 41613467  
OCXOCMP6 Calculated 40637033  
OCXOCMP8 Calculated 14209872  
OCXOCMPV Calculated 62658161  
OCXSEND Calculated 23135487  
OCXSEND3 Calculated 11211964  
OCXSEND4 Calculated 21759136  
OCXSEND5 Calculated 52984975  
OCXSEND6 Calculated 36540955  
OCXSEND7 Calculated 19892897  
OCXSEND8 Calculated 20772543  
OCXSENDA Calculated 19003008  
ORALWORD Calculated 47499175  
ORB3FUP1 Calculated 64991738  
ORB3FUP2 Calculated 68246237  
ORB3LAB Calculated 3813832  
ORBCMA1 Calculated 16067541  
ORBCMA32 Calculated 85583831  
ORBPRCHK Calculated 30311169  
ORCACT0 Calculated 52518165  
ORCACT01 Calculated 66127888  
ORCACT03 Calculated 8066015  
ORCACT2 Calculated 61910854  
ORCB Calculated 51269339  
ORCD Calculated 53571666  
ORCDFH1 Calculated 22101872  
ORCDLG1 Calculated 72953104  
ORCDLG2 Calculated 64872872  
ORCDLR Calculated 57494194  
ORCDLR1 Calculated 81262557  
ORCDLR2 Calculated 13639155  
ORCDPS1 Calculated 74826833  
ORCDPS2 Calculated 67090529  
ORCDPS3 Calculated 43323695  
ORCDPSH Calculated 17713696  
ORCDPSIV Calculated 96443893

ORCFLAG Calculated 21880963  
ORCHANG2 Calculated 30221469  
ORCHANGE Calculated 41306460  
ORCHECK Calculated 47055177  
ORCMED Calculated 41444759  
ORCMEDT0 Calculated 17512805  
ORCMEDT1 Calculated 44493328  
ORCMEDT8 Calculated 77783054  
ORCSAVE Calculated 70416179  
ORCSAVE1 Calculated 30031657  
ORCSAVE2 Calculated 68713994  
ORCSEND Calculated 63497942  
ORCSEND1 Calculated 61198784  
ORCSEND3 Calculated 25727603  
ORCXPND1 Calculated 72217223  
ORCXPND3 Calculated 44348323  
ORDDPAPI Calculated 1521511  
ORDV02A Calculated 11152192  
ORDV03 Calculated 47046777  
ORDV04 Calculated 57992153  
ORDV04A Calculated 41731567  
ORDV06 Calculated 40307303  
ORDV06A Calculated 7403444  
ORDV08 Calculated 20597537  
ORDVX1 Calculated 5290851  
OREVNTX Calculated 73719059  
OREVNTX1 Calculated 72373665  
ORHLESC Calculated 6778413  
ORIMO Calculated 2288142  
ORKCHK Calculated 41864853  
ORKLR Calculated 31162442  
ORLP Calculated 76319972  
ORLPSR Calculated 54297693  
ORLPSRA Calculated 62257534  
ORLPSRB Calculated 38794452  
ORLSTVIZ Calculated 5546292  
ORMBLDP1 Calculated 3663295  
ORMBLDPS Calculated 74740266  
ORMBLDRA Calculated 9959617  
ORMEVNT Calculated 75252404  
ORMFH Calculated 63062271  
ORMFN Calculated 33381686  
ORMGMRC Calculated 44058430  
ORMLR Calculated 55346176  
ORMPS Calculated 79586894  
ORMPS1 Calculated 68866316

ORMPS2 Calculated 46355925  
ORMPS3 Calculated 25338633  
ORMRA Calculated 62066557  
ORMTIM02 Calculated 17248840  
ORMTIME Calculated 9294457  
OROVRRPT Calculated 40771295  
ORPEAPI Calculated 385487  
ORPRF Calculated 13135968  
ORPRPM Calculated 62635453  
ORQ11 Calculated 63884857  
ORQ12 Calculated 36656064  
ORQ2 Calculated 39956511  
ORQ20 Calculated 49432908  
ORQ21 Calculated 35097340  
ORQPT Calculated 73861080  
ORQPTQ1 Calculated 54791820  
ORQQAL Calculated 28169891  
ORQQPL1 Calculated 62886431  
ORQQPL3 Calculated 55317795  
ORQQPXR Calculated 18382115  
ORSRCHOR Calculated 77451785  
ORTSKLPS Calculated 5805034  
ORUDPA Calculated 4870592  
ORUTL1 Calculated 5293035  
ORWCIRN Calculated 9046507  
ORWCV Calculated 73405381  
ORWD Calculated 42948340  
ORWDAL32 Calculated 40874191  
ORWDBA1 Calculated 58828931  
ORWDBA3 Calculated 40638555  
ORWDBA4 Calculated 10113870  
ORWDBA7 Calculated 17868873  
ORWDFH Calculated 51608431  
ORWDGX Calculated 5976236  
ORWDLR Calculated 25735868  
ORWDLR32 Calculated 60083103  
ORWDLR33 Calculated 20970855  
ORWDOR Calculated 8588372  
ORWDPS1 Calculated 49131928  
ORWDPS2 Calculated 57106070  
ORWDPS32 Calculated 70700114  
ORWDPS33 Calculated 31468284  
ORWDPS4 Calculated 20050046  
ORWDVAL Calculated 2573377  
ORWDX Calculated 62342605  
ORWDX1 Calculated 51089138

ORWDX2 Calculated 12248764  
ORWDXA Calculated 73502300  
ORWDXC Calculated 22991536  
ORWDXM1 Calculated 76690189  
ORWDXM2 Calculated 75208802  
ORWDXM3 Calculated 65753115  
ORWDXR Calculated 48540055  
ORWDXVB Calculated 43771926  
ORWDXVB1 Calculated 34643378  
ORWDXVB2 Calculated 24066583  
ORWGAPI Calculated 23670784  
ORWGAPI1 Calculated 30659117  
ORWGAPI2 Calculated 18274252  
ORWGAPI3 Calculated 30105389  
ORWGAPI4 Calculated 60283342  
ORWGAPI5 Calculated 9504422  
ORWGAPI6 Calculated 16567335  
ORWGAPI7 Calculated 6370115  
ORWGAPI8 Calculated 7954497  
ORWGAPIA Calculated 34887063  
ORWGAPIB Calculated 3779452  
ORWGAPIC Calculated 34311571  
ORWGAPID Calculated 59091643  
ORWGAPIE Calculated 14227801  
ORWGAPIF Calculated 5028214  
ORWGAPIP Calculated 70762744  
ORWGAPIR Calculated 41364234  
ORWGAPIT Calculated 57224397  
ORWGAPIU Calculated 23844957  
ORWGAPIW Calculated 11947849  
ORWGAPIX Calculated 23118742  
ORWGRPC Calculated 13989770  
ORWGTASK Calculated 79728825  
ORWGTEST Calculated 8668416  
ORWNSS Calculated 4680257  
ORWOD Calculated 64537880  
ORWOD1 Calculated 30304637  
ORWOR Calculated 35518390  
ORWORB Calculated 67054061  
ORWORR Calculated 66127235  
ORWORR1 Calculated 7659282  
ORWPCE Calculated 56892321  
ORWPCE1 Calculated 63376274  
ORWPCE2 Calculated 49058348  
ORWPS Calculated 62358507  
ORWPT Calculated 59655732

ORWPT16 Calculated 11809182  
ORWRP Calculated 77665061  
ORWRP3 Calculated 10390812  
ORWRP4P Calculated 6881393  
ORWRP4V Calculated 25785819  
ORWTIU Calculated 10078381  
ORWTPD Calculated 13966510  
ORWTPL Calculated 25081990  
ORWTPP Calculated 19368874  
ORWTPR Calculated 16242046  
ORWTPT Calculated 20925260  
ORWTPUA Calculated 2193311  
ORWU Calculated 60173136  
ORWU2 Calculated 22524024  
ORY243 Calculated 79494059  
ORY2430 Calculated 15644892  
ORY24301 Calculated 71550908  
ORY24302 Calculated 79020665  
ORY24303 Calculated 78469831  
ORY24304 Calculated 86792017  
ORY24305 Calculated 58679499  
ORY24306 Calculated 66782929  
ORY24307 Calculated 70006769  
ORY24308 Calculated 66749787  
ORY24309 Calculated 8754768  
ORY2431 Calculated 40550963  
ORY2432 Calculated 26766774  
ORY2433 Calculated 12996416  
ORY2434 Calculated 13526318  
ORY243A Calculated 4754803  
ORY243ES Calculated 12630447  
ORY243R Calculated 5847434  
ORYDLG Calculated 14515305

207 Routines checked, 0 failed.



## Transport Global Print

---

- 1 Load a Distribution
- 2 Verify Checksums in Transport Global
- 3 Print Transport Global
- 4 Compare Transport Global to Current System
- 5 Backup a Transport Global
- 6 Install Package(s)  
Restart Install of Package(s)  
Unload a Distribution

Select Installation Option: 3 Print Transport Global

Select INSTALL NAME: OR PSJ PSO 27 1.0 Loaded from Distribution 8/6/08@12:42:05

=> CPRS27 AND REQUIRED PHARMACY PATCHES - RELEASED ;Created on Jun 18, 2

This Distribution was loaded on Aug 06, 2008@12:42:05 with header of

CPRS27 AND REQUIRED PHARMACY PATCHES - RELEASED ;Created on Jun 18, 2008@09:54:06

It consisted of the following Install(s):

OR PSJ PSO 27 1.0 PSJ\*5.0\*134 PSO\*7.0\*225 OR\*3.0\*243  
DEVICE: HOME// ;;9999 TELNET TERMINAL

PACKAGE: OR PSJ PSO 27 1.0 Aug 06, 2008 12:43 pm PAGE 1

-----  
TYPE: MULTI-PACKAGE TRACK NATIONALLY: YES  
NATIONAL PACKAGE: ALPHA/BETA TESTING: NO

### DESCRIPTION:

BUNDLE BUILD OF OR\*3.0\*243 AND PSJ\*5.0\*134

### SEQUENCE OF BUILDS:

- |   |             |                      |
|---|-------------|----------------------|
| 1 | PSJ*5.0*134 | Required to Continue |
| 2 | PSO*7.0*225 | Required to Continue |
| 3 | OR*3.0*243  | Required to Continue |

TYPE: SINGLE PACKAGE TRACK NATIONALLY: YES  
NATIONAL PACKAGE: INPATIENT MEDICATIONS ALPHA/BETA TESTING:  
NO

### DESCRIPTION:

This patch contains changes in support of Computerized Patient Record System (CPRS) V. 1.0 GUI v27 release.

### 1. MEDICATION ROUTE CHANGES

-----

- Inpatient Medications V. 5.0 will use the medication route received from CPRS V. 1.0 as the default when finishing an IV order entered via CPRS V. 1.0. For new orders entered via Inpatient Medications V. 5.0, if all of the orderable items associated with an order contain the same default medication route, that route will be used as the default. If there are any differences, there will be no default medication route.
- Inpatient Medications V. 5.0 will send to BCMA V. 3.0 the full medication route name for display on the Virtual Due List (VDL).

## 2. INFUSION RATE CHANGES

-----

- Inpatient Medications V. 5.0 now accepts infusion rate from CPRS in both ml/hour and as 'infuse over time'.
- In the order view screen for an order with an intermittent IV type, the infusion rate now displays as "Infuse Over" followed by the time. For example, "Infuse Over 30 minutes".

The infusion rate for an intermittent IV order can be null.

## 3. IV TYPE CHANGES

-----

- Inpatient Medications V. 5.0 shall accept an IV type of "I" (Intermittent) or "C" (Continuous) from CPRS V. 1.0. When an IV type of CONTINUOUS is received, Inpatient Medications V. 5.0 defaults to an IV type of Admixture. When IV type of INTERMITTENT is received, Inpatient Medications V. 5.0 defaults to an IV type of Piggyback. Inpatient Medications V. 5.0 sends to CPRS V. 1.0 updates to an order's IV type.
- Inpatient Medications V. 5.0 now accepts schedule information from CPRS V. 1.0 for intermittent IV orders entered via the IV Fluid Ordering Dialog. Inpatient Medications V. 5.0 also sends to CPRS V. 1.0 any schedule changes for intermittent IV orders.
- A new field, IV TYPE CATEGORY (#128) is being added to the NON-VERIFIED ORDERS file (#53.1). The IV TYPE CATEGORY will be "C" (Continuous) for orders with an IV TYPE of Admixture, Hyperal, Non-Intermittent Syringe, or Chemotherapy with a CHEMOTHERAPY TYPE of Admixture, Hyperal, or Non-Intermittent Syringe. The IV TYPE CATEGORY will be "I" (Intermittent) for orders with an IV TYPE of Piggyback, Intermittent Syringe, or Chemotherapy with a CHEMOTHERAPY TYPE of Piggyback or Intermittent Syringe.

## 4. RENEWED ORDER CHANGES

-----  
 - When discontinuing pending renewal orders, Inpatient Medications V. 5.0 will provide the user an option to discontinue the pending renewal order and/or the original orders. The pharmacist shall be given the option to discontinue the pending order, both orders, or exit the discontinue function.

5. REMOVE CALLS TO OBSOLETE ROUTINE

-----  
 - At the request of CPRS V. 1.0, active calls to obsolete routine OR3CONV have been removed from Inpatient Medications V. 5.0.

6. EXPECTED FIRST DOSE FOR ONE-TIME ORDERS (HD 98365)

-----  
 Problem:

During testing of the CPRS V. 1.0 GUI v26 release, sites reported a problem with an incorrect display of expected first dose for orders with a schedule type of "ONE TIME".

Resolution:

If the schedule type is "ONE TIME", do not display an Expected First Dose for the order.

7. CORRECT ABBREVIATION OF MILLIMOLE (HD 145562)

-----  
 Problem:

The correct abbreviation for the word MILLIMOLE, which is MMOL is not available in the system.

Resolution:

The abbreviation for Millimole, "MMOL", will be included in this patch.

ENVIRONMENT CHECK:	DELETE ENV ROUTINE:
PRE-INIT ROUTINE:	DELETE PRE-INIT ROUTINE:
POST-INIT ROUTINE:	DELETE POST-INIT ROUTINE:
PRE-TRANSPORT RTN:	

	UP	SEND DATA	USER	
	DATE	SEC.	COMES	SITE RSLV OVER
FILE #	FILE NAME	DD	CODE	W/FILE DATA PTRS RIDE

-----  
 53.1 NON-VERIFIED ORDERS YES YES NO NO  
 Partial DD: subDD: 53.1 fld: 128

ROUTINE:	ACTION:
PSGOE1	SEND TO SITE

PSGOE6	SEND TO SITE
PSGOEC	SEND TO SITE
PSGOECS	SEND TO SITE
PSGOEF	SEND TO SITE
PSGOT	SEND TO SITE
PSGS0	SEND TO SITE
PSIVCAL	SEND TO SITE
PSIVEDT	SEND TO SITE
PSIVORA	SEND TO SITE
PSIVORC	SEND TO SITE
PSIVORC1	SEND TO SITE
PSIVOREN	SEND TO SITE
PSIVORFA	SEND TO SITE
PSIVORFB	SEND TO SITE
PSIVSP	SEND TO SITE
PSIVUTL1	SEND TO SITE
PSJHL2	SEND TO SITE
PSJHL3	SEND TO SITE
PSJHL4	SEND TO SITE
PSJHL4A	SEND TO SITE
PSJHL5	SEND TO SITE
PSJHL9	SEND TO SITE
PSJHLU	SEND TO SITE
PSJLIACT	SEND TO SITE
PSJLIVFD	SEND TO SITE
PSJLIVMD	SEND TO SITE
PSJOREN	SEND TO SITE
PSJORPOE	SEND TO SITE
PSJORRE	SEND TO SITE
PSJORRE1	SEND TO SITE
PSJORREN	SEND TO SITE
PSJORRN	SEND TO SITE
PSJORRN1	SEND TO SITE
PSJORRO	SEND TO SITE
PSJORUT2	SEND TO SITE
PSJUTL	SEND TO SITE

**REQUIRED BUILDS:**

PSJ\*5.0\*152  
 PSJ\*5.0\*153  
 PSJ\*5.0\*180  
 PSJ\*5.0\*120  
 PSJ\*5.0\*174  
 PSJ\*5.0\*140  
 PSJ\*5.0\*141  
 PSJ\*5.0\*156

**ACTION:**

Don't install, leave global  
 Don't install, leave global  
 Don't install, leave global  
 Don't install, leave global  
 Don't install, leave global  
 Don't install, leave global  
 Don't install, leave global  
 Don't install, leave global

PSJ*5.0*157	Don't install, leave global
PSJ*5.0*173	Don't install, leave global
PSJ*5.0*201	Don't install, leave global

PSO\*7.0\*225 Aug 06, 2008 12:43 pm PAGE 1

-----  
TYPE: SINGLE PACKAGE TRACK NATIONALLY: YES  
NATIONAL PACKAGE: OUTPATIENT PHARMACY ALPHA/BETA TESTING:  
NO

**DESCRIPTION:**

The Enrollment VistA Changes (EVC) project is being undertaken to support technology and business changes that are occurring with the implementation of the Health Eligibility Center (HEC) Enrollment System Redesign (ESR) project. Some modified and new business functionality is being included in the new system and corresponding changes are necessary in VistA for preliminary determination of veterans Enrollment and Eligibility status. The EVC project has been rolled out in three phases. This release represents the third and last phase called EVC Release 2.

This patch provides the functionality changes to determine, process and disseminate the newly added Environmental Indicator (EI) called Project 112/SHAD Exposure (a.k.a SHAD), where applicable.

This patch also changed the EI, "Environmental Contaminant" to read as "Southwest Asia Conditions".

1. For the following options, when creating a new order, renewing an existing order, copying an existing order to a new order, or editing an existing order that results in a new order, the copay status of the prescription needs to be determined for billing purposes.
  - a. Patient Prescription Processing [PSO LM BACKDOOR ORDERS]
  - b. Barcode Batch Prescription Entry [PSO BATCH BARCODE]
  - c. Complete Orders from OERR [PSO LMOE FINISH]

If a patient is found eligible for SHAD then the prompt "Was treatment related to PROJ 112/SHAD?" will be presented to the pharmacist.

A "YES" or "NO" response will be stored in the new fields, PROJ 112/SHAD field (#122.01) of the PRESCRIPTION file (#52) and in the PROJ 112/SHAD field (#8) of the ICD DIAGNOSIS sub-file (#52.052311) of the PRESCRIPTION file (#52).

2. The Integration Control Registration (ICR) #2534, provides Computerized Patient Record System V. 3.0 (CPRS) with all the eligible EI questions that will be prompted during the pharmacy order entry process. This ICR is modified to include the SHAD prompt.
3. When a verbal or telephone order is placed in backdoor pharmacy, it requires an electronic signature from the provider. During the signature entry process in CPRS, the provider may update the SC, EI, or the ICD diagnosis information. This updated information is passed back to pharmacy via the ICR #4666, which is modified to include the SHAD changes.
4. The PENDING OUTPATIENT ORDERS file (#52.41) that stores the pharmacy orders entered via CPRS is modified to include the provider's response to the SHAD question. The provider's response will be stored in the new fields, PROJ 112/SHAD field (#110.2) of the PENDING OUTPATIENT ORDERS file (#52.41) and the PROJ 112/SHAD field (#8) of the DIAGNOSIS sub-file (#52.41311) of the PENDING OUTPATIENT ORDERS file (#52.41).
5. During the release of a prescription, if the SHAD question applies and is unanswered, the MailMan message that is sent to the finishing pharmacist, ordering provider, and holders of the PSO COPAY key, to get answers to the EI questions will have the SHAD question if applicable.
6. The Reset Copay Status/Cancel Charges [PSOCP RESET COPAY STATUS] option is modified to include the SHAD question wherever applicable.
7. During label printing, if the prescription is flagged as SHAD then the text "NO COPAY" will be printed in the label.

Unrelated to the Enrollment VistA Changes (EVC) features, this patch also provides the following changes to support CPRS v27.

- a. To add the proper escape sequences to the standard HEALTH LEVEL SEVEN (HL7) encoding characters to messages sent to CPRS / remove escape sequences received from CPRS and replace them with standard HL7 encoding characters. This will help avoid errors that can occur if special delimiting characters are encountered during parsing of the HL7 messages.
- b. Integration Control Registration (ICR) #2400, will be modified to provide new sorting sequences of the patient medication profile that is viewed under the CPRS-Meds Tab including the Non-VA medications.

VIEW 0 or null - This provides the medication list as it was prior to

GUI 27 so that other applications calling this API will not see any changes.

VIEW 1 - This provides the medication list sorted by prescription Status Group and Stop Date/Expiration Date. Following is the order:

- Pending group
  - Non-Verified
  - Pending
- Active group:
  - Active
  - Hold
  - Suspended (Active/Susp)
  - Provider Hold
- Expired group
  - Expired
- Discontinued/Deleted group
  - Discontinued by Provider
  - Discontinued (Edit)

VIEW 2 - This provides the medication list sorted by prescription Status Group, Status, and Drug Name.

- Active group:
  - Active
  - Hold
- Pending group
  - Non-Verified
  - Pending
- Discontinued
  - Discontinued by Provider
  - Discontinued (Edit)

VIEW 3 - This provides the medication list sorted by Drug Name, active/suspended and Stop Date/Expiration Date.

c. Flag/Un-Flag functionality (PSI-06-041)

It was requested in the Remedy ticket #133716 that the flagging capability that is available in CPRS be made available for Outpatient Pharmacy use. This patch provides the flagging functionality for Pending orders only.

d. As per the E3R numbers 19973 and 19876, to improve communication between the provider and the pharmacist, Outpatient Pharmacy will now send the actual comments made by the pharmacist to CPRS when a prescription is put on Hold, Discontinued, and Returned to Stock replacing the generic "per pharmacy request" text.





52.41 PENDING OUTPATIENT ORDERS YES YES NO NO

Partial DD: subDD: 52.41 fld: 33

fld: 34

fld: 35

fld: 36

fld: 37

fld: 38

fld: 109

fld: 110.2

subDD: 52.41311 fld: 4

fld: 8

ROUTINE:

PSOCAN3

PSOCAN3N

PSOCAN4

PSOCIDC2

PSOCP

PSOCP1

PSOCPC

PSOCPE

PSODIAG

PSOHLDA

PSOHLNE1

PSOHLNE2

PSOHLNE3

PSOHLNE4

PSOHLNEW

PSOHLPII

PSOHLPI3

PSOHLN1

PSOHLN2

PSOHLN3

PSOHLN4

PSOHLUP

PSOLBL

PSOLBL1

PSOLLI

PSOLMAO

PSOLMPO

PSOLMPO1

PSOLMPO2

PSOLMRN

PSOLMUTL

PSOMLLD2

ACTION:

SEND TO SITE

SEND TO SITE

SEND TO SITE

SEND TO SITE

SEND TO SITE

SEND TO SITE

SEND TO SITE

SEND TO SITE

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PSOMLLDT	SEND TO SITE
PSO52	SEND TO SITE
PSONEW	SEND TO SITE
PSONEW2	SEND TO SITE
PSONEWF	SEND TO SITE
PSONEWG	SEND TO SITE
PSONFI	SEND TO SITE
PSOORFI1	SEND TO SITE
PSOORFI2	SEND TO SITE
PSOORFI3	SEND TO SITE
PSOORFI5	SEND TO SITE
PSOORFI6	SEND TO SITE
PSOORFIN	SEND TO SITE
PSOORFL	SEND TO SITE
PSOORNE4	SEND TO SITE
PSOORNE5	SEND TO SITE
PSOORNEW	SEND TO SITE
PSOORRL	SEND TO SITE
PSOORRL3	SEND TO SITE
PSOORRLN	SEND TO SITE
PSOORRLO	SEND TO SITE
PSOORRNW	SEND TO SITE
PSOORUT1	SEND TO SITE
PSOORUTL	SEND TO SITE
PSOPFSU0	SEND TO SITE
PSOPFSU1	SEND TO SITE
PSOPTPST	SEND TO SITE
PSORENW1	SEND TO SITE
PSORENW4	SEND TO SITE
PSORN52	SEND TO SITE
PSORN52A	SEND TO SITE
PSORN52C	SEND TO SITE
PSORN52D	SEND TO SITE

PROTOCOL:	ACTION:
PSO LM BACKDOOR SELECT ORDER	SEND TO SITE
PSO LM FLAG	SEND TO SITE
PSO LM NEW SELECT ORDER	SEND TO SITE
PSO PENDING ORDER MENU	MERGE MENU ITEMS

LIST TEMPLATE:	ACTION:
PSO LM PENDING ORDER	SEND TO SITE

REQUIRED BUILDS:	ACTION:
PSO*7.0*278	Don't install, leave global
PSO*7.0*292	Don't install, leave global

PSO\*7.0\*264 Don't install, leave global  
 PSO\*7.0\*206 Don't install, leave global  
 PSO\*7.0\*274 Don't install, leave global  
 PSO\*7.0\*275 Don't install, leave global

PACKAGE: OR\*3.0\*243 Aug 06, 2008 12:43 pm PAGE 1

-----  
 TYPE: SINGLE PACKAGE TRACK NATIONALLY: YES  
 NATIONAL PACKAGE: ORDER ENTRY/RESULTS REPORTING ALPHA/BETA  
 TESTING: NO

DESCRIPTION:

ENVIRONMENT CHECK: DELETE ENV ROUTINE:  
 PRE-INIT ROUTINE: PRE^ORY243 DELETE PRE-INIT ROUTINE: No  
 POST-INIT ROUTINE: POST^ORY243 DELETE POST-INIT ROUTINE: No  
 PRE-TRANSPORT RTN:

FILE #	FILE NAME	UP	SEND DATA	USER	DATE SEC.	COMES	SITE RSLV	OVER
-----	-----	DD	CODE	W/FILE DATA	PTRS	RIDE	-----	-----

100	ORDER	YES	YES	NO				NO
	Partial DD: subDD: 100	fld: 39						
	fld: 55							
	fld: 58							
	fld: 94							
	fld: 97							
	fld: 98							
	subDD: 100.008	fld: 4						
	fld: 15							

100.2	OE/RR PATIENT EVENT	YES	YES	NO				NO
	Partial DD: subDD: 100.2	fld: 14						
	subDD: 100.25	fld: 4						

100.21	OE/RR LIST	YES	YES	NO				NO
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101.24	OE/RR REPORT	YES	NO	YES	REPL	YES	NO	
	DATA SCREEN: I (Y=3)!((Y>17)&(Y<28))!(Y>999)!(Y=48)							

101.41	ORDER DIALOG	NO	NO	YES	REPL	YES	NO	
	DATA SCREEN: I \$\$SEND DLG^ORY243(\$P^(0),U)							



ORCDLR2	SEND TO SITE
ORCDPS1	SEND TO SITE
ORCDPS2	SEND TO SITE
ORCDPS3	SEND TO SITE
ORCDPSH	SEND TO SITE
ORCDPSIV	SEND TO SITE
ORCFLAG	SEND TO SITE
ORCHANG2	SEND TO SITE
ORCHANGE	SEND TO SITE
ORCHECK	SEND TO SITE
ORCMED	SEND TO SITE
ORCMEDT0	SEND TO SITE
ORCMEDT1	SEND TO SITE
ORCMEDT8	SEND TO SITE
ORCSAVE	SEND TO SITE
ORCSAVE1	SEND TO SITE
ORCSAVE2	SEND TO SITE
ORCSEND	SEND TO SITE
ORCSEND1	SEND TO SITE
ORCSEND3	SEND TO SITE
ORCXPND1	SEND TO SITE
ORCXPND3	SEND TO SITE
ORDDPAPI	SEND TO SITE
ORDV02A	SEND TO SITE
ORDV03	SEND TO SITE
ORDV04	SEND TO SITE
ORDV04A	SEND TO SITE
ORDV06	SEND TO SITE
ORDV06A	SEND TO SITE
ORDV08	SEND TO SITE
ORDVX1	SEND TO SITE
OREVNTX	SEND TO SITE
OREVNTX1	SEND TO SITE
ORHLESC	SEND TO SITE
ORIMO	SEND TO SITE
ORKCHK	SEND TO SITE
ORKLR	SEND TO SITE
ORLP	SEND TO SITE
ORLPSR	SEND TO SITE
ORLPSRA	SEND TO SITE
ORLPSRB	SEND TO SITE
ORLSTVIZ	SEND TO SITE
ORMBLDP1	SEND TO SITE
ORMBLDPS	SEND TO SITE
ORMBLDRA	SEND TO SITE
ORMEVNT	SEND TO SITE

ORMFH	SEND TO SITE
ORMFN	SEND TO SITE
ORMGMRC	SEND TO SITE
ORMLR	SEND TO SITE
ORMPS	SEND TO SITE
ORMPS1	SEND TO SITE
ORMPS2	SEND TO SITE
ORMPS3	SEND TO SITE
ORMRA	SEND TO SITE
ORMTIM02	SEND TO SITE
ORMTIME	SEND TO SITE
OROVRRPT	SEND TO SITE
ORPEAPI	SEND TO SITE
ORPRF	SEND TO SITE
ORPRPM	SEND TO SITE
ORQ11	SEND TO SITE
ORQ12	SEND TO SITE
ORQ2	SEND TO SITE
ORQ20	SEND TO SITE
ORQ21	SEND TO SITE
ORQPT	SEND TO SITE
ORQPTQ1	SEND TO SITE
ORQQAL	SEND TO SITE
ORQQPL1	SEND TO SITE
ORQQPL3	SEND TO SITE
ORQQPXR	SEND TO SITE
ORSRCHOR	SEND TO SITE
ORTSKLPS	SEND TO SITE
ORUDPA	SEND TO SITE
ORUTL1	SEND TO SITE
ORWCIRN	SEND TO SITE
ORWCV	SEND TO SITE
ORWD	SEND TO SITE
ORWDAL32	SEND TO SITE
ORWDBA1	SEND TO SITE
ORWDBA3	SEND TO SITE
ORWDBA4	SEND TO SITE
ORWDBA7	SEND TO SITE
ORWDFH	SEND TO SITE
ORWDGX	SEND TO SITE
ORWDLR	SEND TO SITE
ORWDLR32	SEND TO SITE
ORWDLR33	SEND TO SITE
ORWDOR	SEND TO SITE
ORWDPS1	SEND TO SITE
ORWDPS2	SEND TO SITE

ORWDPS32	SEND TO SITE
ORWDPS33	SEND TO SITE
ORWDPS4	SEND TO SITE
ORWDVAL	SEND TO SITE
ORWDX	SEND TO SITE
ORWDX1	SEND TO SITE
ORWDX2	SEND TO SITE
ORWDXA	SEND TO SITE
ORWDXC	SEND TO SITE
ORWDXM1	SEND TO SITE
ORWDXM2	SEND TO SITE
ORWDXM3	SEND TO SITE
ORWDXR	SEND TO SITE
ORWDXVB	SEND TO SITE
ORWDXVB1	SEND TO SITE
ORWDXVB2	SEND TO SITE
ORWGAPI	SEND TO SITE
ORWGAPI1	SEND TO SITE
ORWGAPI2	SEND TO SITE
ORWGAPI3	SEND TO SITE
ORWGAPI4	SEND TO SITE
ORWGAPI5	SEND TO SITE
ORWGAPI6	SEND TO SITE
ORWGAPI7	SEND TO SITE
ORWGAPI8	SEND TO SITE
ORWGAPIA	SEND TO SITE
ORWGAPIB	SEND TO SITE
ORWGAPIC	SEND TO SITE
ORWGAPID	SEND TO SITE
ORWGAPIE	SEND TO SITE
ORWGAPIF	SEND TO SITE
ORWGAPIP	SEND TO SITE
ORWGAPIR	SEND TO SITE
ORWGAPIT	SEND TO SITE
ORWGAPIU	SEND TO SITE
ORWGAPIW	SEND TO SITE
ORWGAPIX	SEND TO SITE
ORWGRPC	SEND TO SITE
ORWGTASK	SEND TO SITE
ORWGTEST	SEND TO SITE
ORWNSS	SEND TO SITE
ORWOD	SEND TO SITE
ORWOD1	SEND TO SITE
ORWOR	SEND TO SITE
ORWORB	SEND TO SITE
ORWORR	SEND TO SITE

ORWORR1	SEND TO SITE
ORWPCE	SEND TO SITE
ORWPCE1	SEND TO SITE
ORWPCE2	SEND TO SITE
ORWPS	SEND TO SITE
ORWPT	SEND TO SITE
ORWPT16	SEND TO SITE
ORWRP	SEND TO SITE
ORWRP3	SEND TO SITE
ORWRP4P	SEND TO SITE
ORWRP4V	SEND TO SITE
ORWTIU	SEND TO SITE
ORWTPD	SEND TO SITE
ORWTPL	SEND TO SITE
ORWTPP	SEND TO SITE
ORWTPR	SEND TO SITE
ORWTPT	SEND TO SITE
ORWTPUA	SEND TO SITE
ORWU	SEND TO SITE
ORWU2	SEND TO SITE
ORY243	SEND TO SITE
ORY2430	SEND TO SITE
ORY24301	SEND TO SITE
ORY24302	SEND TO SITE
ORY24303	SEND TO SITE
ORY24304	SEND TO SITE
ORY24305	SEND TO SITE
ORY24306	SEND TO SITE
ORY24307	SEND TO SITE
ORY24308	SEND TO SITE
ORY24309	SEND TO SITE
ORY2431	SEND TO SITE
ORY2432	SEND TO SITE
ORY2433	SEND TO SITE
ORY2434	SEND TO SITE
ORY243A	SEND TO SITE
ORY243ES	SEND TO SITE
ORY243R	SEND TO SITE
ORYDLG	SEND TO SITE

OPTION:

ACTION:

OR CPRS GUI CHART	SEND TO SITE
OR INPT CLOZAPINE MESSAGE	SEND TO SITE
OR LAPSED ORDERS	SEND TO SITE
OR MEDICATION QO CHECKER	SEND TO SITE
OR PARAM COORDINATOR MENU	USE AS LINK FOR MENU ITEMS



ORB3 ARCHIVE PERIOD	SEND TO SITE
ORCM MGMT	USE AS LINK FOR MENU ITEMS
ORK ORD CHK OVERRIDE REPORT	SEND TO SITE
ORK ORDER CHK MGMT MENU	USE AS LINK FOR MENU ITEMS
ORLP TEAM LIST VISIBILITY	SEND TO SITE
ORLP TEAM MENU	USE AS LINK FOR MENU ITEMS
ORW PARAM GUI	USE AS LINK FOR MENU ITEMS

PARAMETER DEFINITION:	ACTION:
OR ADMIN TIME HELP TEXT	SEND TO SITE
OR CLOZ INPT MSG	SEND TO SITE
OR DC REASON LIST	SEND TO SITE
OR FLAGGED ORD REASONS	SEND TO SITE
OR LAPSE ORDERS	SEND TO SITE
OR LAPSE ORDERS DFLT	SEND TO SITE
OR MEDS TAB SORT	SEND TO SITE
OR RA RFS CARRY ON	SEND TO SITE
OR USE MH DLL	SEND TO SITE
OR VBECS ON	SEND TO SITE
OR VBECS SUPPRESS NURS ADMIN	SEND TO SITE
ORCH CONTEXT MEDS	SEND TO SITE
ORWDXVB VBECS TNS CHECK	SEND TO SITE
ORWLR LC CHANGED TO WC	SEND TO SITE
ORWOR EXPIRED ORDERS	SEND TO SITE
ORWOR WRITE ORDERS LIST	SEND TO SITE
ORWRP VISTAWEB	DELETE AT SITE

REMOTE PROCEDURE:	ACTION:
ORALWORD ALLWORD	SEND TO SITE
ORCDLR2 CHECK ALL LC TO WC	SEND TO SITE
ORCDLR2 CHECK ONE LC TO WC	SEND TO SITE
ORDDPAPI ADMTIME	SEND TO SITE
ORDDPAPI CLOZMSG	SEND TO SITE
ORQQPXR MHDLL	SEND TO SITE
ORQQPXR MHDLLDMS	SEND TO SITE
ORWCIRN VISTAWEB	DELETE AT SITE
ORWCIRN WEBCH	DELETE AT SITE
ORWDLR33 LC TO WC	SEND TO SITE
ORWDPS1 DOWSCH	SEND TO SITE
ORWDPS1 QOMEDALT	SEND TO SITE
ORWDPS1 SCHALL	SEND TO SITE
ORWDPS32 ALLIVRTE	SEND TO SITE
ORWDPS32 DLGSLCT	SEND TO SITE
ORWDPS32 DOSES	SEND TO SITE
ORWDPS32 DRUGMSG	SEND TO SITE
ORWDPS32 FORMALT	SEND TO SITE

ORWDPS32 ISSPLY	SEND TO SITE
ORWDPS32 IVAMT	SEND TO SITE
ORWDPS32 MEDISIV	SEND TO SITE
ORWDPS32 SCSTS	SEND TO SITE
ORWDPS32 VALQTY	SEND TO SITE
ORWDPS32 VALRATE	SEND TO SITE
ORWDPS32 VALSCH	SEND TO SITE
ORWDPS33 COMPLOC	SEND TO SITE
ORWDPS33 IVDOSFRM	SEND TO SITE
ORWDX LOADRSP	SEND TO SITE
ORWDX1 DCORIG	SEND TO SITE
ORWDX1 ORDMATCH	SEND TO SITE
ORWDX1 UNDCORIG	SEND TO SITE
ORWDX2 DCREASON	SEND TO SITE
ORWDXM1 BLDQRSP	SEND TO SITE
ORWDXM1 SVRPC	SEND TO SITE
ORWDXVB NURSADMN	SEND TO SITE
ORWDXVB SUBCHK	SEND TO SITE
ORWDXVB VBTNS	SEND TO SITE
ORWGRPC ALLITEMS	SEND TO SITE
ORWGRPC ALLVIEWS	SEND TO SITE
ORWGRPC CLASS	SEND TO SITE
ORWGRPC DATEITEM	SEND TO SITE
ORWGRPC DELVIEWS	SEND TO SITE
ORWGRPC DETAIL	SEND TO SITE
ORWGRPC DETAILS	SEND TO SITE
ORWGRPC FASTDATA	SEND TO SITE
ORWGRPC FASTITEM	SEND TO SITE
ORWGRPC FASTLABS	SEND TO SITE
ORWGRPC FASTTASK	SEND TO SITE
ORWGRPC GETDATES	SEND TO SITE
ORWGRPC GETPREF	SEND TO SITE
ORWGRPC GETSIZE	SEND TO SITE
ORWGRPC GETVIEWS	SEND TO SITE
ORWGRPC ITEMDATA	SEND TO SITE
ORWGRPC ITEMS	SEND TO SITE
ORWGRPC LOOKUP	SEND TO SITE
ORWGRPC PUBLIC	SEND TO SITE
ORWGRPC RPTPARAM	SEND TO SITE
ORWGRPC SETPREF	SEND TO SITE
ORWGRPC SETSIZE	SEND TO SITE
ORWGRPC SETVIEWS	SEND TO SITE
ORWGRPC TAX	SEND TO SITE
ORWGRPC TESTING	SEND TO SITE
ORWGRPC TESTSPEC	SEND TO SITE
ORWGRPC TYPES	SEND TO SITE

ORWORB AUTOUNFLAG ORDERS	SEND TO SITE
ORWPS ACTIVE	SEND TO SITE
ORWTIU GET SAVED CP FIELDS	SEND TO SITE
ORWTPP SAVESURR	SEND TO SITE
ORWU PARAMS	SEND TO SITE
ORWU2 COSIGNER	SEND TO SITE

**INSTALL QUESTIONS:**

Default Rebuild Menu Trees Upon Completion of Install: NO  
 Default INHIBIT LOGONs during the install: NO  
 Default DISABLE Scheduled Options, Menu Options, and Protocols: NO

**REQUIRED BUILDS:**

**ACTION:**

TIU*1.0*219	Don't install, leave global
GMPL*2.0*35	Don't install, leave global
PSS*1.0*112	Don't install, leave global
OR*3.0*246	Don't install, leave global
PSS*1.0*118	Don't install, leave global
OR*3.0*255	Don't install, leave global
OR*3.0*265	Don't install, leave global
OR*3.0*254	Don't install, leave global
OR*3.0*258	Don't install, leave global
PSO*7.0*225	Don't install, leave global
PSJ*5.0*134	Don't install, leave global
PSS*1.0*94	Don't install, leave global
YS*5.01*92	Don't install, leave global
OR*3.0*232	Don't install, leave global
LR*5.2*365	Don't install, leave global
OR*3.0*275	Don't install, leave global
WV*1.0*23	Don't install, leave global
OR*3.0*256	Don't install, leave global
OR*3.0*277	Don't install, leave global
OR*3.0*245	Don't install, leave global
XU*8.0*498	Don't install, leave global

**OR\_PSJ\_PSO\_27.KID Installation Capture**

---

- 1 Load a Distribution
- 2 Verify Checksums in Transport Global
- 3 Print Transport Global
- 4 Compare Transport Global to Current System
- 5 Backup a Transport Global
- 6 Install Package(s)  
 Restart Install of Package(s)  
 Unload a Distribution

Select Installation Option: 6 Install Package(s)

Select INSTALL NAME: OR PSJ PSO 27 1.0      Loaded from Distribution 8/6/08@12:42:05

=> CPRS27 AND REQUIRED PHARMACY PATCHES - RELEASED ;Created on Jun 18, 2008@09:54:06

This Distribution was loaded on Aug 06, 2008@12:42:05 with header of

CPRS27 AND REQUIRED PHARMACY PATCHES - RELEASED ;Created on Jun 18, 2008@09:54:06

It consisted of the following Install(s):

OR PSJ PSO 27 1.0    PSJ\*5.0\*134    PSO\*7.0\*225    OR\*3.0\*243

Checking Install for Package OR PSJ PSO 27 1.0

Install Questions for OR PSJ PSO 27 1.0

Checking Install for Package PSJ\*5.0\*134

Install Questions for PSJ\*5.0\*134

Incoming Files:

53.1    NON-VERIFIED ORDERS (Partial Definition)

Note: You already have the 'NON-VERIFIED ORDERS' File.

Checking Install for Package PSO\*7.0\*225

Install Questions for PSO\*7.0\*225

Incoming Files:

52      PRESCRIPTION (Partial Definition)

Note: You already have the 'PRESCRIPTION' File.

52.41    PENDING OUTPATIENT ORDERS (Partial Definition)

Note: You already have the 'PENDING OUTPATIENT ORDERS' File.

Checking Install for Package OR\*3.0\*243

Install Questions for OR\*3.0\*243

Incoming Files:

100 ORDER (Partial Definition)

Note: You already have the 'ORDER' File.

100.2 OE/RR PATIENT EVENT (Partial Definition)

Note: You already have the 'OE/RR PATIENT EVENT' File.

100.21 OE/RR LIST

Note: You already have the 'OE/RR LIST' File.

101.24 OE/RR REPORT (including data)

Note: You already have the 'OE/RR REPORT' File.

I will REPLACE your data with mine.

101.41 ORDER DIALOG (including data)

Note: You already have the 'ORDER DIALOG' File.

I will REPLACE your data with mine.

101.43 ORDERABLE ITEMS

Note: You already have the 'ORDERABLE ITEMS' File.

Want KIDS to Rebuild Menu Trees Upon Completion of Install? NO// YES

Want KIDS to INHIBIT LOGONs during the install? NO// YES

Want to DISABLE Scheduled Options, Menu Options, and Protocols? NO// YES

Enter options you wish to mark as 'Out Of Order': OR OE/RR MENU CLINICIAN  
CPRS Clinician Menu

Enter options you wish to mark as 'Out Of Order': OR E OR/RR MENU NURSE

Enter options you wish to mark as 'Out Of Order':

Enter protocols you wish to mark as 'Out Of Order':

Delay Install (Minutes): (0-60): 0//

Enter the Device you want to print the Install messages.  
You can queue the install by enter a 'Q' at the device prompt.  
Enter a '^' to abort the install.

DEVICE: HOME// TELNET TERMINAL

Install Started for OR PSJ PSO 27 1.0 :  
Aug 06, 2008@12:45:32

Build Distribution Date: Jun 18, 2008

Installing Routines:  
Aug 06, 2008@12:45:32

Install Started for PSJ\*5.0\*134 :  
Aug 06, 2008@12:45:32

Build Distribution Date: Jun 18, 2008

Installing Routines:  
Aug 06, 2008@12:45:32

Installing Data Dictionaries:  
Aug 06, 2008@12:45:32

Updating Routine file...

The following Routines were created during this install:

PSGXR3  
PSGXR31  
PSGXR310  
PSGXR311  
PSGXR312  
PSGXR32  
PSGXR33  
PSGXR34  
PSGXR35  
PSGXR36  
PSGXR37  
PSGXR38  
PSGXR39

Updating KIDS files...

PSJ\*5.0\*134 Installed.

Aug 06, 2008@12:45:33

Install Started for PSO\*7.0\*225 :  
Aug 06, 2008@12:45:33

Build Distribution Date: Jun 18, 2008

Installing Routines:  
Aug 06, 2008@12:45:33

Installing Data Dictionaries:  
Aug 06, 2008@12:45:34

Installing PACKAGE COMPONENTS:

Installing PROTOCOL  
Located in the PSO (OUTPATIENT PHARMACY) namespace

Installing LIST TEMPLATE  
Aug 06, 2008@12:45:34

Updating Routine file...

The following Routines were created during this install:

PSOXZA  
PSOXZA1  
PSOXZA10  
PSOXZA11  
PSOXZA12  
PSOXZA13  
PSOXZA14  
PSOXZA2  
PSOXZA3  
PSOXZA4  
PSOXZA5  
PSOXZA6  
PSOXZA7  
PSOXZA8  
PSOXZA9

Updating KIDS files...

PSO\*7.0\*225 Installed.  
Aug 06, 2008@12:45:34

Install Started for OR\*3.0\*243 :  
Aug 06, 2008@12:45:34

Build Distribution Date: Jun 18, 2008

Installing Routines:  
Aug 06, 2008@12:45:36

Running Pre-Install Routine: PRE^ORY243  
Removing old data dictionaries.

Deleting data dictionary for file # 101.43

Installing Data Dictionaries:  
Aug 06, 2008@12:45:39

Installing Data: .....  
Aug 06, 2008@12:45:46

Installing PACKAGE COMPONENTS:

Installing HELP FRAME

Installing REMOTE PROCEDURE  
Installing OPTION

Installing PARAMETER DEFINITION:  
Aug 06, 2008@12:45:54

Running Post-Install Routine: POST^ORY243

Order Check Expert System Rule Transporter  
Created: NOV 2,2006 at 12:05 at CPRS27.FO-SLC.MED.VA.GOV  
Current Date: AUG 6,2008 at 12:45 at CHY1K.FO-BAYPINES.MED.VA.GOV

Loading Data .....  
Installing '863.8 OCX MDD PARAMETER' records... ..  
Installing '864.1 OCX MDD DATATYPE' records... ..  
Installing '863.7 OCX MDD PUBLIC FUNCTION' records... ..  
Installing '863.9 OCX MDD CONDITION/FUNCTION' records... ..  
Installing '863.4 OCX MDD ATTRIBUTE' records... ..  
Installing '863.2 OCX MDD SUBJECT' records... ..



Installing '863.3 OCX MDD LINK' records... .  
Installing '860.9 ORDER CHECK NATIONAL TERM' records... . .  
Installing '860.8 ORDER CHECK COMPILER FUNCTIONS' records... .  
Installing '860.6 ORDER CHECK DATA CONTEXT' records... . . . .  
Installing '860.5 ORDER CHECK DATA SOURCE' records... . . . . .  
Installing '860.4 ORDER CHECK DATA FIELD' records...

Installing '860.3 ORDER CHECK ELEMENT' records...

ORDER CHECK ELEMENT: CLOZAPINE ANC  $\geq 1.5$  &  $< 2.0$   
NAME: CLOZAPINE ANC  $\geq 1.5$  &  $< 2.0$  ...Correct data Filed  
ELEMENT CONTEXT: CPRS ORDER PRESCAN ...Correct data Filed

EXPRESSION SEQUENCE NUMBER: 1 ...Correct data Filed  
DATA FIELD 1: CLOZAPINE ANC W/IN 7 RESULT ...Correct data Filed  
OPERATOR/FUNCTION: GREATER THAN ...Correct data Filed  
CONDITIONAL VALUE 1: 1.499 ...Correct data Filed

EXPRESSION SEQUENCE NUMBER: 2 ...Correct data Filed  
DATA FIELD 1: CLOZAPINE ANC W/IN 7 RESULT ...Correct data Filed  
OPERATOR/FUNCTION: LESS THAN ...Correct data Filed  
CONDITIONAL VALUE 1: 2.0 ...Correct data Filed

EXPRESSION SEQUENCE NUMBER: 3 ...Correct data Filed  
DATA FIELD 1: CLOZAPINE ANC W/IN 7 FLAG ...Correct data Filed  
OPERATOR/FUNCTION: LOGICAL TRUE ...Correct data Filed

Installing '860.2 ORDER CHECK RULE' records...

-----Missing multiple:-----

ORDER CHECK RULE: CLOZAPINE [57]  
TRUTH ELEMENTS:  $1.5 \leq \text{ANC} < 2.0$  [10]  
TYPE: SIMPLE DEFINITION  
ELEMENT NAME: CLOZAPINE ANC  $\geq 1.5$  &  $< 2.0$

LABEL:  $1.5 \leq \text{ANC} < 2.0$  ...Correct data Filed  
TYPE: SIMPLE DEFINITION ...Correct data Filed  
ELEMENT NAME: CLOZAPINE ANC  $\geq 1.5$  &  $< 2.0$  ...Correct data Filed

-----Inconsistent Data-----

ORDER CHECK RULE: CLOZAPINE [57]  
RELATION ACTIONS: 1 [1]  
RELATION EXPRESSION field [1]  
(R) CPRS27.FO-SLC.MED.VA.GOV: CLOZAPINE AND (NO WBC W/IN 7  
DAYS OR NO ANC W/IN 7 DAYS)

(L) CHY1K.FO-BAYPINES.MED.VA.GOV: CLOZAPINE AND (WBC < 3.0 OR ANC < 1.5)

RELATION EXPRESSION: CLOZAPINE AND (NO WBC W/IN 7 DAYS OR NO ANC W/IN 7 DAYS) ...Correct data Filed

-----Inconsistent Data-----

ORDER CHECK RULE: CLOZAPINE [57]

RELATION ACTIONS: 1 [1]

ORDER CHECK MESSAGE field [6]

(R) CPRS27.FO-SLC.MED.VA.GOV: Clozapine orders require a CBC/Diff within past 7 days. Please order CBC/Diff with WBC and ANC immediately. Most recent results - |CLOZ LAB RSLTS|

(L) CHY1K.FO-BAYPINES.MED.VA.GOV: WBC < 3.0 and/or ANC < 1.5 - pharmacy cannot fill clozapine order. Most recent results - |CLOZ LAB RSLTS|

ORDER CHECK MESSAGE: Clozapine orders require a CBC/Diff within past 7 days. Please order CBC/Diff with WBC and ANC immediately. Most recent results - |CLOZ LAB RSLTS| ...Correct data Filed

-----Inconsistent Data-----

ORDER CHECK RULE: CLOZAPINE [57]

RELATION ACTIONS: 2 [2]

RELATION EXPRESSION field [1]

(R) CPRS27.FO-SLC.MED.VA.GOV: CLOZAPINE AND (WBC < 3.0 OR ANC < 1.5)

(L) CHY1K.FO-BAYPINES.MED.VA.GOV: CLOZAPINE AND NO WBC W/IN 7 DAYS

RELATION EXPRESSION: CLOZAPINE AND (WBC < 3.0 OR ANC < 1.5) ...Correct data Filed

-----Inconsistent Data-----

ORDER CHECK RULE: CLOZAPINE [57]

RELATION ACTIONS: 2 [2]

ORDER CHECK MESSAGE field [6]

(R) CPRS27.FO-SLC.MED.VA.GOV: WBC < 3.0 and/or ANC < 1.5 - pharmacy cannot fill clozapine order. Most recent results - |CLOZ LAB RSLTS|

(L) CHY1K.FO-BAYPINES.MED.VA.GOV: Clozapine orders require a CBC/Diff within past 7 days. Please order CBC/Diff with WBC and ANC immediately. Most recent results - |CLOZ LAB RSLTS|

ORDER CHECK MESSAGE: WBC < 3.0 and/or ANC < 1.5 - pharmacy cannot fill clozapine order. Most recent results - |CLOZ LAB RSLTS| ...Correct data Filed

-----Inconsistent Data-----

ORDER CHECK RULE: CLOZAPINE [57]  
RELATION ACTIONS: 3 [3]  
RELATION EXPRESSION field [1]  
(R) CPRS27.FO-SLC.MED.VA.GOV: CLOZAPINE AND 3.0 <= WBC < 3.5  
AND ANC >= 1.5  
(L) CHY1K.FO-BAYPINES.MED.VA.GOV: CLOZAPINE AND 3.0 <= WBC  
< 3.5 AND NO ANC W/IN 7 DAYS

RELATION EXPRESSION: CLOZAPINE AND 3.0 <= WBC < 3.5 AND ANC >= 1.5  
...Correct data Filed

-----Inconsistent Data-----

ORDER CHECK RULE: CLOZAPINE [57]  
RELATION ACTIONS: 3 [3]  
ORDER CHECK MESSAGE field [6]  
(R) CPRS27.FO-SLC.MED.VA.GOV: WBC between 3.0 and 3.5 with ANC >= 1.5 - please repeat CBC/Diff including WBC and ANC immediately and twice weekly. Most recent results - |CLOZ LAB RSLTS|  
(L) CHY1K.FO-BAYPINES.MED.VA.GOV: |CLOZWBC 30\_35 TEXT| Most recent results - |CLOZ LAB RSLTS|

ORDER CHECK MESSAGE: WBC between 3.0 and 3.5 with ANC >= 1.5 - please repeat CBC/Diff including WBC and ANC immediately and twice weekly. Most recent results - |CLOZ LAB RSLTS| ...Correct data Filed

-----Inconsistent Data-----

ORDER CHECK RULE: CLOZAPINE [57]  
RELATION ACTIONS: 4 [4]  
RELATION EXPRESSION field [1]  
(R) CPRS27.FO-SLC.MED.VA.GOV: CLOZAPINE AND 1.5 <= ANC < 2.0  
(L) CHY1K.FO-BAYPINES.MED.VA.GOV: CLOZAPINE AND 3.0 <= WBC  
< 3.5 AND ANC >= 1.5

RELATION EXPRESSION: CLOZAPINE AND 1.5 <= ANC < 2.0 ...Correct data Filed

-----Inconsistent Data-----

ORDER CHECK RULE: CLOZAPINE [57]  
RELATION ACTIONS: 4 [4]  
ORDER CHECK MESSAGE field [6]  
(R) CPRS27.FO-SLC.MED.VA.GOV: ANC between 1.5 and 2.0 - please repeat CBC/Diff including WBC and ANC immediately and twice weekly. Most recent results - |CLOZ LAB RSLTS|  
(L) CHY1K.FO-BAYPINES.MED.VA.GOV: WBC between 3.0 and 3.5 with ANC >= 1.5 - please repeat CBC/Diff including WBC and ANC immediately and twice weekly. Most recent results - |CLOZ LAB RSLTS|

ORDER CHECK MESSAGE: ANC between 1.5 and 2.0 - please repeat CBC/Diff including WBC and ANC immediately and twice weekly. Most recent results - |CLOZ LAB RSLTS| ...Correct data Filed

-----Extra multiple:-----

ORDER CHECK RULE: CLOZAPINE [57]

RELATION ACTIONS: 5 [5]

RELATION EXPRESSION: CLOZAPINE AND WBC >= 3.5

ORDER CHECK: CLOZAPINE APPROPRIATENESS

ORDER CHECK MESSAGE: Clozapine - most recent results - |CLOZ LAB RSLTS|  
...Correct data Filed

No data filing errors.

Transport Finished...

---Creating Order Check Routines-----

Build list of Active Rules, Elements and Datafields...

95 DATA FIELDS

78 ELEMENTS

38 RULES

Compile DataField Navigation code...

100 DataField Navigation Code Arrays

Compile Element Evaluation code...

72 Event Evaluation Code Arrays

Compile Element MetaCode...

78 Element Metacode Arrays

Get Compiler Function Code...

51 Compiler Include Functions

Compile Rule Element Relation code...

54 Rule Element Relation Code Arrays

Construct Decision Tree...

698 Sub-Routines

Optimize Sub-Routines...

279 Sub-Routines

60.1% Optimization

Assemble Routines...

40 OCXOZ\* Routines

Converting Inpatient Medications Quick Orders to  
Unit Dose Medications Quick Orders.

Delayed IV Order conversion has been queued, task number 123542

Updating Routine file...

The following Routines were created during this install:

ORD2  
ORD21  
ORD210  
ORD211  
ORD212  
ORD213  
ORD214  
ORD215  
ORD216  
ORD22  
ORD23  
ORD24  
ORD25  
ORD26  
ORD27  
ORD28  
ORD29

Updating KIDS files...

OR\*3.0\*243 Installed.

Aug 06, 2008@12:46:02

Updating Routine file...

Updating KIDS files...

OR PSJ PSO 27 1.0 Installed.  
Aug 06, 2008@12:46:02

Install Completed

## **PSS\*1\*123 Installation Capture**

---

- 1 Load a Distribution
- 2 Verify Checksums in Transport Global
- 3 Print Transport Global
- 4 Compare Transport Global to Current System
- 5 Backup a Transport Global
- 6 Install Package(s)  
Restart Install of Package(s)  
Unload a Distribution

You have 6 new messages. (Last arrival: 08/06/08@12:46)

Select Installation Option: 6 Install Package(s)

Select INSTALL NAME: PSS,123 PSS\*1.0\*123 Loaded from Distribution 8/6/08@12:47:56

=> PSS\*1\*123

This Distribution was loaded on Aug 06, 2008@12:47:56 with header of PSS\*1\*123

It consisted of the following Install(s):

PSS\*1.0\*123

Checking Install for Package PSS\*1.0\*123

Will first run the Environment Check Routine, PSSEC123

Install Questions for PSS\*1.0\*123

Incoming Files:

50.4 DRUG ELECTROLYTES (Partial Definition)

Note: You already have the 'DRUG ELECTROLYTES' File.

52.6 IV ADDITIVES (Partial Definition)

Note: You already have the 'IV ADDITIVES' File.

Want KIDS to INHIBIT LOGONs during the install? NO//

Want to DISABLE Scheduled Options, Menu Options, and Protocols? NO//

Enter the Device you want to print the Install messages.  
You can queue the install by enter a 'Q' at the device prompt.  
Enter a '^' to abort the install.

DEVICE: HOME// TELNET TERMINAL

Install Started for PSS\*1.0\*123 :  
Aug 06, 2008@12:48:14

Build Distribution Date: Nov 06, 2007

Installing Routines:  
Aug 06, 2008@12:48:14

Installing Data Dictionaries:  
Aug 06, 2008@12:48:15

Updating Routine file...

The following Routines were created during this install:

PSSVX6  
PSSVX61  
PSSVX62  
PSSVX63  
PSSVX64  
PSSVX65  
PSSVX66

Updating KIDS files...

PSS\*1.0\*123 Installed.  
Aug 06, 2008@12:48:15

Install Completed

## **GMTS\*2.7\*84 Installation Capture**

---

- 1 Load a Distribution
- 2 Verify Checksums in Transport Global
- 3 Print Transport Global
- 4 Compare Transport Global to Current System
- 5 Backup a Transport Global
- 6 Install Package(s)  
Restart Install of Package(s)

## Unload a Distribution

Select Installation Option: 6 Install Package(s)

Select INSTALL NAME: GMTS\*2.7\*84      Loaded from Distribution 8/6/08@12:48:54

=> GMTS\*2.7\*84 TEST v8

This Distribution was loaded on Aug 06, 2008@12:48:54 with header of

GMTS\*2.7\*84 TEST v8

It consisted of the following Install(s):

GMTS\*2.7\*84

Checking Install for Package GMTS\*2.7\*84

Install Questions for GMTS\*2.7\*84

Want KIDS to INHIBIT LOGONs during the install? NO//

Want to DISABLE Scheduled Options, Menu Options, and Protocols? NO//

Enter the Device you want to print the Install messages.

You can queue the install by enter a 'Q' at the device prompt.

Enter a '^' to abort the install.

DEVICE: HOME// TELNET TERMINAL

Install Started for GMTS\*2.7\*84 :

Aug 06, 2008@12:49:18

Build Distribution Date: Mar 10, 2008

Installing Routines:

Aug 06, 2008@12:49:18

Updating Routine file...

Updating KIDS files...

GMTS\*2.7\*84 Installed.

Aug 06, 2008@12:49:18

Install Completed

## **OR\*3\*299 Installation Capture**

---

- 1 Load a Distribution
- 2 Verify Checksums in Transport Global
- 3 Print Transport Global
- 4 Compare Transport Global to Current System



- 5 Backup a Transport Global
- 6 Install Package(s)  
Restart Install of Package(s)  
Unload a Distribution

Select Installation Option: 6 Install Package(s)  
Select INSTALL NAME: OR,299 OR\*3.0\*299 Loaded from Distribution 8/6/08@12:  
49:44  
=> OR\*3\*299

This Distribution was loaded on Aug 06, 2008@12:49:44 with header of  
OR\*3\*299  
It consisted of the following Install(s):  
OR\*3.0\*299  
Checking Install for Package OR\*3.0\*299

Install Questions for OR\*3.0\*299

Want KIDS to INHIBIT LOGONs during the install? NO//  
Want to DISABLE Scheduled Options, Menu Options, and Protocols? NO//

Enter the Device you want to print the Install messages.  
You can queue the install by enter a 'Q' at the device prompt.  
Enter a '^' to abort the install.

DEVICE: HOME// TELNET TERMINAL

Install Started for OR\*3.0\*299 :  
Aug 06, 2008@12:50:01

Build Distribution Date: Aug 01, 2008

Installing Routines:  
Aug 06, 2008@12:50:02

Running Post-Install Routine: EN1^ORY299  
Requested Start Time: NOW// (AUG 06, 2008@12:50:05)

The check for truncated Patient Instructions is queued  
(to start NOW).

YOU WILL RECEIVE A MAILMAN MESSAGE WHEN TASK #123543 HAS  
COMPLETED.

Updating Routine file...

Updating KIDS files...

OR\*3.0\*299 Installed.

Aug 06, 2008@12:50:05

Install Completed