



Computerized Patient Record System (CPRS)

Version 1.0

Release Notes

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CPRS Release Notes

Overview of CPRS

The primary goal of CPRS is to create a fast and easy-to-use product that gives physicians enough information through results reporting and expert system feedback to make better decisions regarding orders and treatment

CPRS provides an integrated patient record system for clinicians, managers, quality assurance staff, researchers, and others. VISTA software for Pharmacy, Lab, Radiology, Allergy Tracking, Consults, Dietetics, Progress Notes, Problem List, Scheduling, MAS (A/D/T), Kernel, FileManager, Vitals, PCMM, PCE, TIU, ASU and Clinical Lexicon packages was written or modified to support and communicate with CPRS. OE/RR was completely re-written. Together, these clinical components of VISTA provide a single interface for physicians to manage patient care and records, as well as an efficient means for others to access and use patient information.

Features:

- **Smooth transition from OE/RR** When a VAMC installs CPRS, a fully automated process converts existing orders, order dialogs, orderable items, medications, labs, consults, clinical notifications and other components into CPRS. No patient data is lost and little or no manual conversion is required. Installation of CPRS only requires 1-2 hours of system downtime, with little impact on users and patient care. Because of its “user-friendly” design, most VA clinicians can use CPRS with minimal training.
- **OE/RR core module.** All basic CPRS tasks occur within the M environment. Tasks relegated to the GUI workstation include those necessary to communicate with the server and to present and obtain data.

CPRS Overview, cont'd

Specific components of the core M module for OE/RR include:

- *Order processing and storage.* Processing orders in CPRS includes: 1) order dialog presentation, 2) order checking, 3) appropriate holding/processing/status assignment related to user credentials, order signature status, and filling package, 4) HL7 formatting, and 5) event posting for filling package and other interested parties, 6) receiving order status messages from filling package, and 7) updating the appropriate data files. Order storage in CPRS includes a complete, date/time-stamped history of all events related to the order including status changes, ordering, requesting, and signatory personnel, related order checks, and override reason, flagged order data, and various components related to the filling package.
- *Mechanism for clinical orderable items.* Orderable items are phrased in physician-friendly terms, centrally stored and can be updated at individual VAMCs. Updating is coordinated between OE/RR core and ancillary packages via HL7 messages.
- *Flagged orders.* An order can be flagged when it requires special attention. A notification regarding the flagged order is sent to appropriate caregivers assigned to the patient.
- *Electronic signature.* Orderable items can be assigned varying degrees of electronic signature requirements. Unsigned orders trigger a notification to appropriate patient caregivers.
- *Encounter management.* Orders are linked with specific patient encounters, facilitating point-of-care management and data exchange with encounter-oriented management processes.
- *Patient selection.* Extensive patient selection capabilities allow physicians to build patient lists based on ward, room-bed, clinic appointment, patient's primary provider/attending physician, team and individual patient. Once created, providers' preferred patient lists are automatically loaded when they access CPRS. For example, a provider can set up a patient list based on each day's clinic appointments. This list is built automatically each day and displayed to facilitate easier patient selection.

CPRS Overview, cont'd

- ***GUI Interface.*** Clinical workstations in the Windows environment access CPRS through a Delphi-based Graphical User Interface (GUI). Based on years of prototyping, usability studies, and actual clinical use, the CPRS GUI is a full implementation of results reporting and order entry. It communicates with CPRS server processes through the Kernel Broker client-server utility. Data is exchanged via an extensive list of remote procedure calls.

The GUI presents a cover sheet that's a summary of a patient record. It allows users to access, review, and use information in this window or readily move to other parts of the patient chart. A chart metaphor makes almost all pertinent data available in a quick and easy fashion. The clinician can quickly flip through pages of the chart to add new orders, review or add problems, write progress notes, or see results in many formats (graph, spreadsheet, etc.).

- ***List Manager Interface.*** Non-GUI, ANSI terminals use the CPRS List Manager interface. Designed with a great deal of clinician usability feedback, this interface displays allergies, lab results, medications, existing orders, consults, and other clinical data in a format conducive to decision making. The order entry process has been streamlined to gather the most pertinent information necessary to fill the order.
- ***HL7 Messaging/Event Processing.*** Communication between **VISTA** packages participating in CPRS is accomplished primarily through event-driven HL7 messaging. This approach allows multiple processes to subscribe to a single CPRS event. The structure and content of the HL7 message provides consistent data for processes subscribing to an event. Additional application programmer interfaces (APIs) exist between OE/RR and ancillary packages to provide data not supported by HL7.
- ***VAMC Parameters and Defaults.*** Every VAMC has specialized needs regarding CPRS functionality and processing. To allow variation and modification among VAMCs, CPRS provides a hierarchically structured set of parameters. Each parameter can have a user, team, service/section, patient location, division, system, and package value. The extensive set of parameters exported with CPRS allows VAMC administrators and CPRS users to fine-tune the functionality and processes specific to their needs.

CPRS Overview, cont'd

- ***Remote Procedure Calls.*** Generically written data extraction/storage remote procedure calls (RPCs) provide access to **VISTA** clinical data for CPRS interfaces, VAMC-developed software, and HOST/COTS applications.
- ***Consult/Request Tracking.*** A fully functional consulting package is exported with CPRS. Integrated tightly with CPRS, consults provides consult ordering/requesting, tracking, and resulting. Consulting events such as requesting and resulting trigger notifications to appropriate health care providers, who can then quickly react to the request or result.
- ***Patient/Team Lists.*** Patient and Team List functionality in CPRS provides several methods for linking health care providers with patients. Team relationships can be based on ward, room-bed, provider, specialty, and/or clinic. Membership is updated automatically when patients are admitted, discharged, transferred, or assigned to a clinic.
- ***Expert System.*** The CPRS Expert System is a modular, rule-oriented, knowledge-based system. It supports CPRS as the basis for real-time order checking (e.g. drug-drug interactions, duplicate orders) and background notifications (e.g. critical lab results, expiring medications.) Components include: a Meta-Dictionary for linking discrete medical concepts with data located in files, messages and dialogs; a Rule Editor for creating and editing medical logic modules (MLMs) or rules which relate meta-dictionary concepts in logical expressions; an Inferencing Engine for processing the rules against data; and a Router for distributing results or messages.
- ***Clinical Notifications.*** The Notifications component generates patient-specific clinical alerts regarding order entry, consult, radiology, lab, pharmacy, dietetics, and A/D/T information. Alerts are displayed to **VISTA** users when they sign onto the computer. They can also be delivered to printers, files, and terminals. Many alerts allow recipients to take related follow-up actions. For example, a patient's unsigned order triggers an alert to appropriate health care providers. When a recipient selects the alert, the follow-up action displays the patient's unsigned orders and prompts for electronic signature. Via parameters, VAMCs can disable or enable notifications for users, teams, patient locations, services, divisions, and systems.

CPRS Overview, cont'd

- **Order Checking.** Order Checks are messages interactively displayed to the ordering provider during an ordering session. They occur in real-time and are driven by responses entered by the ordering provider in conjunction with existing patient data. Order Checks are rated according to potential clinical danger level. Order check messages with a low or moderate clinical danger level can be ignored. High clinical danger level order checks require the entry of a reason if they are overridden. This information is passed on to the filling package (e.g. pharmacy) as part of the order. All order check messages include a prompt to cancel or change the order. Via parameters, VAMCs can adjust order check clinical danger levels and disable or enable order checks for users, teams, patient locations, services, divisions, and systems.

Differences between OE/RR 2.5 and CPRS

OE/RR 2.5	CPRS 1.0
1- Screen-like interface	List Manager interface
2- "Backdoor" packages controlled ordering dialogs	CPRS controls all the ordering dialogs
3- Multiple patient selection available	Only single patient selection is available except through the Results Reporting Menu
4- Select an action, then an item	You now select an item then an action
5- Navigation of electronic record took place through a menu structure of options and protocols	The List Manager version allows navigation through the electronic record by way of actions that are equivalent to the tabs of a chart; GUI version allows navigation by clicking on tabs
6- Outpatient Pharmacy ordering not available through OE/RR	Outpatient Pharmacy is now available
7- Consults resulting and tracking not available through OE/RR	Consults resulting available through TIU
8- No access to Discharge Summary	Discharge Summary is now available thru CPRS
9- No time-delay ordering capability	Time-delayed orders now available (admission, discharge, and transfer)
10- Actions available for orders: <ul style="list-style-type: none"> • Discontinue Orders • Edit Orders • Hold/Unhold Orders • Flag/Unflag Orders • Renew Orders • Comments for Ward/Clinic • Signature on Chart • Results Display • Long/Short Order Format • Detailed Order Display • Print Orders • Print Labels • Requisition Print • Print Chart Copy • Print Service Copy • Accept Orders 	More actions available for orders: <ul style="list-style-type: none"> • Copy • Discontinue • Change • Hold • Release Hold • Flag • Unflag • Renew • Verify • Ward Comments • Sign/On Chart • Results • Details • Print List and Print Screen (List Manager actions) • Print Labels • Print Requisitions • Print Chart Copies • Print Service Copies • Print Work Copies
11- Duplicate order was the only order check	Twenty-one Order checks now available ALLERGY-CONTRAST MEDIA INTERAC ALLERGY-DRUG INTERACTION AMINOGLYCOSIDE ORDERED BIOCHEM ABNORMALITY FOR CONTRA CLOZAPINE APPROPRIATENESS CT & MRI PHYSICAL LIMITATIONS DISPENSE DRUG NOT SELECTED DRUG-DRUG INTERACTION DUPLICATE DRUG CLASS ORDER DUPLICATE DRUG ORDER

OE/RR 2.5	CPRS 1.0
11- Order checks, cont'd	DUPLICATE ORDER ERROR MESSAGE ESTIMATED CREATININE CLEARANCE GLUCOPHAGE-CONTRAST MEDIA LAB ORDER FREQ RESTRICTIONS MISSING LAB TESTS FOR ANGIOGRA ORDER CHECKING NOT AVAILABLE POLYPHARMACY RECENT BARIUM STUDY RECENT ORAL CHOLECYSTOGRAM RENAL FUNCTIONS OVER AGE 65
12- Twenty-three Notifications available	Forty Notifications now available LAB RESULTS ORDER REQUIRES CHART SIGNATURE FLAGGED ORDERS ORDER REQUIRES ELEC SIGNATURE ABNORMAL LAB RESULTS (ACTION) ADMISSION UNSCHEDULED VISIT DECEASED PATIENT IMAGING PATIENT EXAMINED IMAGING RESULTS CONSULT/REQUEST RESOLUTION CRITICAL LAB RESULT (INFO) ABNORMAL IMAGING RESULTS IMAGING REQUEST CANCEL/HELD NEW SERVICE CONSULT/REQUEST SERVICE ORDER REQ CHART SIGN CONSULT/REQUEST CANCEL/HOLD NPO DIET MORE THAN 72 HRS SITE-FLAGGED RESULTS ORDERER-FLAGGED RESULTS DISCHARGE TRANSFER FROM PSYCHIATRY ORDER REQUIRES CO-SIGNATURE SITE-FLAGGED ORDER LAB ORDER CANCELED STAT ORDER STAT RESULTS DNR EXPIRING FREE TEXT MEDICATIONS EXPIRING UNVERIFIED MEDICATION ORDER NEW ORDER STAT IMAGING REQUEST URGENT IMAGING REQUEST IMAGING RESULTS AMENDED ORDER CHECK FOOD/DRUG INTERACTION ERROR MESSAGE CRITICAL LAB RESULTS (ACTION) ABNORMAL LAB RESULT (INFO)
13- Processing action for notifications exported by OE/RR	The site can now control the processing action
14- Problem list available only outside OE/RR	Problem List now has a tab in CPRS
15- No patient data overview available	The Cover Sheet provides a clinical overview of the patient.

OE/RR 3.0 Enhancements since 12/97 Release

(in Released and Unreleased patch builds)

- Modifications have been made to process medication order checks based on type (inpatient, outpatient.) This allows determination between inpatient and outpatient med orders when looking for duplicate drugs and drug classes. Order check messages for duplicate drug and duplicate drug class are sent only if the drug being ordered is in the same order display group as the existing (duplicate) drug/class. Inpatient meds can be duplicates against other inpatient meds. Outpatient meds can be duplicates against other outpatient meds.
- An order date/time to consult orders was added to allow order checking for duplicate consult orders. This consult order date/time occurs within order checking processes only and is not stored with the consult order.
- Orderable items can be set up to have an Orderable Item Duplicate Order Range value of zero. This tells the order checking system to not perform duplicate order checks for the orderable item. To prevent duplicate order order checks for an orderable item, set the duplicate order range for that orderable item to zero. Do this via the Order Check Mgmt menu (Clin Coord), option *Orderable Item Duplicate Order Range*. For most instances, select the System level. Enter the orderable item, then 0 (zero) as the hours value. Note: users will see the duplicate order message for orders flagged prior to setting the hours value.
- For duplicate lab order check messages, the status now displays COLLECTED vs. COMPLETE and UNCOLLECTED vs. PENDING.
- The follow-up action for *Order Requires Electronic Signature* notifications varies, depending upon the user's privileges. If the user has the ORES key, but is not linked to the patient via OE/RR teams, nor as attending or inpatient primary provider, the follow-up action will check all unsigned orders for the patient. If the most recent unsigned action on any order was requested/entered by the user, the alert won't be deleted; e.g. if the user still has an unsigned action on one or more of the patient's orders. If none of the unsigned orders' most recent actions is credited to the user, the alert is deleted for that user only; i.e. the user has no unsigned actions for the patient's orders. This process was improved to use the unsigned action for each order to determine who was responsible for the order's unsigned status. Previously, the provider who originally requested the order was used. This caused incorrect user comparisons when a non-original ordering provider DCed an order without electronically signing the DC action.
- The default action on the List Manager Orders screen is now "Next Screen" until viewing the final page of orders when it will change to "Sign All Orders".

Enhancements, cont'd

- After signing and/or releasing a lab order, the lab order number is now displayed. The parameter "Show Lab #" used to turn this functionality on or off for ORES key holders in OE/RR 2.5 will also be restored in this patch.
- Orders that do not require a signature can now be released via the 'Sign' action with the other orders.
- The RV Review New Orders action now includes all unsigned orders for the current patient every time, regardless of which ordering session the orders were placed in.
- When placing a new diet order, the user is prompted to cancel any future diet orders that exist for the patient. The status of those orders is checked and the program will not prompt if they have already been cancelled.
- When placing a new tubefeeding order, the current tubefeeding order for the patient is displayed if one exists.
- A late tray for a new diet order that missed the mealtime cutoff had incorrectly required an additional step to sign and/or release the order, after the diet order itself had been released; the order for the late tray will now be released with the diet order. Also, checks have been added to ensure that the tray time selected has not passed, and NPO orders that incorrectly prompted for a late tray will no longer do so.
- When discontinuing orders that have not been signed and released to the service, ORELSE and OREMAS users had been prompted for the requesting provider and a reason for dc; these prompts have been moved to later in the dc action, as unreleased orders are simply deleted from the Orders file.
- Releasing orders without a physician's signature will now require ORELSE key holders to enter an electronic signature code as well. If the nature of order selected is "policy," then the order is considered to be signed and the current user becomes the requesting provider, otherwise the designated provider will still receive an alert to sign the order as usual. Also, a parameter has been created to determine the default signature action for ORELSE users.
- The Inactive Date field in the New Person file (#200) will now be checked to screen out inactive users at the Requesting Provider prompt. Also, inactive locations are now screened out at the Patient Location prompt, and inpatient locations will no longer be selectable for patients who are not currently admitted.

Enhancements, cont'd

- The default action on the Review New Orders screen (RV) was "Sign All Orders." A parameter from OE/RR 2.5 has been reinstated that allows the default action to be changed to "Sign & Release," which will prompt the user for the orders that are to be signed and/or released instead of assuming all orders. This parameter may be changed via the *Miscellaneous Parameters* option on the CPRS Configuration (Clin Coord) menu.
- When using the *Enter/edit generic orders* option and answering YES to the prompt "Do you wish to copy an existing one?," the software assumed the package to be Order Entry. It will now copy the package into the new order dialog to permit local customization of dialogs.
- A new option has been created to allow users to enter and edit action-type entries in the Order Dialog file. Also, the Entry and Exit Action fields may now be used with order sets.
- A new option has been created to allow users to search for a specified item and list the menus that it appears on. This option also prompts for a new item to automatically replace the current one on the listed menus, if desired.
- Before allowing an entry to be deleted from the Order Dialog file, a check will now be done to ensure that nothing is pointing to that item. If the item is in use, a message will be displayed and the deletion prevented.
- "Other Hospital Services" is now a choice at the "Type of Orderable" prompt.
- An output transform has been added to the Value field of the Response multiple in the Order Dialog file, so that standard FileMan displays and reports can display the external form of the value instead of the internal form.
- For the "Toggle Display" option, the editor will now redisplay the menu at the same screen; prior to this patch, the editor would always force the display back to the first screen of the menu.
- Users can now set up surrogates to receive their notifications (OE/RR alerts).
- The order summary report has been enhanced to print in a condensed format to get multiple patient reports on one page. This is controlled by a new parameter ORPF CONDENSED ORDER SUMMARY, that can be edited from the Summary Reports Parameter menu.
- Four new fields have been added to the Orders file (100) to help track the printing of chart copies.

Enhancements, cont'd

- The Protocol ORS RX ACTION PROFILE is being exported in this patch with a new name to make it consistent with other places where this report is found. The new name text is *Outpatient RX Profile*.
- A new parameter is being exported to allow a condensed version of the Order Summary reports, called ORPF CONDENSED ORDER SUMMARY. This parameter is being added to the ORP SUMMARY REPORTS parameter template, so it can be edited by the clinical coordinator from the Summary Report Parameters menu.
- Notifications are now exported as disabled (unless Mandatory).
- The messages displayed when using the option *Determine Recipients for a Notification* have been modified. The team (or personal list) type is now included in the display. The team type now appears in brackets "[<team type>]" after the team name.
- The *Task 24hr Order Summary by Location* [ORTASK 24HR SUMMARY] option is now using the parameter to sort the orders in forward date/time. Also a change was made in the routine that prints location header pages to keep the header page from over-flowing onto a second page.
- A parameter that allows a site to specify whether or not to dc generic orders on transfer, and if so on a specialty change or a ward location transfer has been added (with a default value of "specialty change"). This parameter value may be modified via the CPRS Configuration (Clin Coord) menu, *Miscellaneous Parameters* option.
- A parameter has been added to allow generic orders to be auto-discontinued on admission. The default will be to not auto-dc on admission to be backwards-compatible, but this value may be modified via the CPRS Configuration (Clin Coord) menu, *Miscellaneous Parameters* option.
- A parameter has been added to allow sites to define a cutoff time when delayed orders are to be considered "lapsed" instead of being released on an MAS patient event. This value will be the number of days to allow delayed orders to remain eligible for release, and may be modified via the CPRS Configuration (Clin Coord) menu, *Miscellaneous Parameters* option.
- An optional entry point in the post-init routine will loop through the Orders file and update the status of any generic order that has a past stop date, or a start date more than 90 days ago, and update the status of Allergy orders that have been placed more than 90 days ago to complete. This cleanup job may be tasked from programmer mode by D TASK^ORY24.

Enhancements, cont'd

- The column header for the date displayed in the D/C Summary tab has been changed to "Ref Date" to match the "Reference Date" header used in TIU and to avoid the ambiguity of discharge vs transcription date.
- The date displayed on the Notes tab showed the time instead of the year if the note was written within the past year, otherwise it showed the year instead of the time. This has been changed to always show both time and year. The Orders tab will also now include the year whenever possible in the start and stop date columns of the Long Format. For orders with both dates, the year will appear with the stop date.
- A "sort order by status" capability has now been applied to the Meds tab, for both Inpatient and Outpatient views. Orders with an active status (active, suspended, hold) will be grouped together at the top of the list, followed by pending orders (pending, non-verified) and non-active orders (expired, dc'd, dc'd due to edit). The Start Date has also been added to the Inpatient view, and the Change View (CV) option "Save as Preferred View" will now save the Inpatient vs Outpatient specification as well.
- The Verify action has been corrected to prevent users holding the OREMAS from verifying problems.
- Comments may now be viewed on the Problems tab via a new option under Change View (CV). This is a toggle that will simply turn on or off the display of the comments with each problem in the list.
- The case number has been added to the display for each exam listed on the Imaging Tab.
- The Recent Orders view on the Orders tab (via CV/Status) has been corrected to match the Daily Order Summary.
- The Orders Tab will now show the provider who signed the order instead of the original requestor of the order, if they are different users.
- The Verify action for users holding either the ORELSE or OREMAS key has now become a sub-menu containing the old Verify action (here renamed "Acknowledge") and a new "Chart Review" action. Another column has been added to the far right of the Orders tab labeled "Chart" to display the user's initials who reviewed the order via this new action.

Consults Enhancements

- The menu of actions for service update users on the Consults tab of CPRS will be updated to match the text and mnemonics used in the Consults package options; this includes the addition of two more actions to the CPRS menu: Results Display and Significant Findings.
- The default urgency for consult and procedure orders will now always be Routine; the Order Dialog file entries GMRCOR CONSULT and GMRCOR REQUEST are updated in this patch to accomplish this.
- A new prompt for "Service" has been added to the Procedures ordering dialog. If only one service is available to select from, that value will be stuffed in and the user will not be prompted.
- A new free text field has been added to the Consult ordering dialog to support Consult Types. This field will only be presented while placing orders using one of these quick orders, and this text will now be sent to the Consults package as part of the order. Any existing Consult Type quick orders may now be edited via the Order Menu Management options to populate this new field with the desired text.

GUI Enhancements

OR*3.0*10 v12

INSTALLATION NOTES

The following patches should be installed before installing this version of patch 10.

GMRC*3.0*4 (test version 19)
GMRC*3.0*5 (test version 10)
GMRV*4.0*10 (released)
OR*3.0*1 (released)
OR*3.0*27 (released)
OR*3.0*39 (released)
OR*3.0*43 (released)
OR*3.0*58 (test version 1)
LEX*2.0*9 (released)
TIU*1.0*7 (released)
TIU*1.0*15 (released)
TIU*1.0*19 (released)
TIU*1.0*28 (released)
TIU*1.0*47 (test version 3)
TIU*1.0*76 (test version 1)
LR*5.2*220 (released)
PX*1.0*45 (released)

A combined build has been created in the Salt Lake City CPRS directory which includes the following test patches from the above list. The file name is CPRSGUIV12.KID.

GMRC*3*4v19
GMRC*3*5v10
OR*3*58v1
TIU*1*47v3
TIU*1*76v1
OR*3*10v12 (the CPRS GUI v12 server-side patch)

A new GUI executable must be used with this patch. It is available in the Salt Lake City CPRS directory. The filename is: CPRSChart1_0_P10v12.exe

** NOTE**

This is a different distribution location than has been used in the past, and is for the initial version 12 pre-release only. If you are one of the pre-release test sites, you should have received separate instructions via Exchange for accessing the CPRS directory. Once tested, the distribution files for version 12 will be placed in the BETA directory for wider distribution as they have in the past.

OR*3.0*10 v12, cont'd

Also in this directory, you will find updated help files, and a file named CPRSSpell.ZIP. This file contains custom dictionaries of medical terms for use with the spell-checking functionality included in this version. Use of these dictionaries is entirely optional and it is not required that they be installed. A README.DOC file is included in the ZIP with complete instructions for installation and use in conjunction with Microsoft Word and CPRS v12.

NEW FUNCTIONALITY

Added full-SSN lookup to patient selection screen. Input can be with or without hyphens, and can include a 'P' as the last character. (NOIS PUG-1098-51396, BAN-0599-11138, and BIR-0599-30797 and E3R 11969)

Added the ability to save of view preferences on Problems, Consults, Notes, and Discharge Summary tabs.

Ordering:

It is now possible use the "Copy to New Order" action to copy orders to a delayed event. When copying meds, the order is converted to the appropriate pharmacy package. For example, when an inpatient med is transferred to a discharge event, it is converted to an outpatient med order.

"Transfer to Inpatient" and "Transfer to Outpatient" are now available actions on the meds tab (in addition to copy to delayed event).

Menus are now recognized within order sets. When a menu is displayed within an order set, the menu window is displayed and the "Done" button changes to "Next." Pressing this button will exit the menu and continue with the order set.

Order sets are now interruptible. When an order set is activated, another window is displayed that represents the items in the order set. As each item is processed, it is checked off. The set may be interrupted by pressing the stop button in this window.

Version 12 Patch 10, cont'd

The ORWDPS ROUTING DEFAULT may now be set to "no default." This will make it so the first outpatient med order entered in a session has no default value for Pickup. Subsequent orders will default to what was initially selected.

Size and position information is now recorded for order dialogs. So if you resize an ordering dialog, that size is used the next time it is activated.

The complete action is now available for all users with ordering keys.

Lab order dialog:

Added processing of server environment variables. This includes support for LRFZX, LRFURG, LRFSPEC, LRFSAAMP, LRFSCHE, and LRFDATE. These variables need to be defined in the entry action of the Add Orders menu on which the items appear. (PUG-0399-50419)

TIU Templates:

TIU boilerplate templates have been added to the Notes, Consults and Discharge Summary tabs. These tabs now have an "Options" menu that will allow the user to "Edit Templates" or "Create New Template". Clinical Coordinators will also have "Edit Shared Templates" and "Create New Shared Template" menu options. When text is selected, a right-click menu option will "Copy into New Template." All these options enter the template editor, which allows for the modification of existing templates, the creation of new templates, and the organizing of templates into a hierarchical structure.

All users are allowed to build their own personal list of templates, which is automatically created the first time they enter the template editor. Initially called "My Templates," this list can contain templates copied from the shared list, or can contain customized templates built by the user. The TIU*1.0*76 post install routine will initialize Shared Templates to contain a TIU Objects folder, and an inactive Boilerplate Titles folder, based on current active titles. Clinical Coordinators have an extra check box available in the template editor, called "Edit Shared Templates." When checked, editing of the shared template list is allowed, as well as access to the inactive Boilerplate Titles folder (when the Hide Inactive check box is not checked).

Templates can be arranged into folders or groups. A folder is similar to a directory of computer files. A group is like a folder, except that the group can be added to a note as a single template, allowing for all templates within its hierarchy to be included in its boilerplate.

OR*3.0*10 v12, cont'd

When editing a document, a new "Templates drawer" appears that, when selected, will reveal a tree view of available templates. These templates can be dragged into the note, or double-clicked, and the corresponding expanded boilerplate text will be added to the note. A right-click menu allows for a preview of the template's contents, as well as templates searching capabilities.

Encounter Form:

The encounter form has added the ability to change the primary provider and add secondary providers to an encounter. The selection box for providers is located on the "Visit Type" tab and will open an additional window when the "Update" button is pressed. From this window you may add or delete providers and designate the primary.

Problem List:

The operation of filters and problem list display has been changed to more closely match that in the List Manager Problem List package. On the filters screen, selectable services/clinics now include a shortlist of those existing in the patient's current list, followed by all those on file and active at the site. Selecting Inpatient or Outpatient as the view preference will still display the same number and list of problems based on any filters in effect, but will now show different columns of information about those same problems. Display of comments can now be turned on or off, as well.

BUG FIXES

Allergy order dialog:

The display of top ten site symptoms on allergy dialog has been corrected. The display is now limited to the first ten items in the Allergy Site Parameters file.

Consults:

The editing of consult service and procedure on those ordering dialogs when presented via a quick order, edit, or copy action has been disabled (also on the Edit/Resubmit screens). (WRJ-0399-10783, PUG-1198-51875)

We've changed Edit/Resubmit of cancelled consult so that while processing a notification, other cancelled consults cannot be selected and resubmitted. The procedure resubmit form has been corrected so that it correctly closes after resubmitting the consult. Both of these problems were discovered in testing.

OR*3.0*10 v12, cont'd

Urgency and Place of Consultation are now correctly being enforced as required fields in ordering, forwarding, or editing/resubmitting a consult or procedure.

When ordering a consult, if a grouper service is selected via the service combo box, the informational message about selecting a grouper was not displaying. In v12, the message will display, and when the tree-view button is clicked, the grouper will be highlighted and expanded to show its subservices. (ATG-0599-31709)

An "Edit/Resubmit" button has been added to the main consults form. It will only be visible when processing a cancelled consult alert. (PUG-0299-51901)

Problem List:

Corrected editing of existing problems so that correct service/clinic combo box is now displayed.

Fixed check for adding of duplicate problem. This had originally worked, but was broken by the addition of comments to the list display. (BIL-0499-31339)

Corrected list of exposures on detailed display, so that the actual entries of exposures are now shown instead of just the number of exposure types. Discovered in testing.

Corrected saving of problem so that problem names with embedded quotes are now accepted without error. (MAD-0599-41830)

If no user problem lists are defined for the user, and lexicon search is enabled at the site, the lexicon dialog will appear immediately on selecting the 'New Problem' action, instead of requiring a second click on the 'Other' button. (LON-0599-61882)

Ordering:

In the outpatient med dialog, route and schedule should now default to what they have been set to in the pharmacy orderable item file.

The service-connected prompt should now be enabled/disabled appropriately.

The ordering actions on the meds tab are now disabled if the user has no ordering keys.

Ordering menus should now calculate the number of columns in the menu correctly.

OR*3.0*10 v12, cont'd

It is now possible to create personal quick orders when an order dialog is activated from within the ordering menus.

Lab order dialog:

Corrected to not allow collection TYPES other than those remaining in the combo box for the selected test. (LON-0399-61834)

Corrected validation of lab collect times >7 days in the future for inpatients. This had been subtracting FileMan dates and returning a number >7 when crossing an end-of-month boundary. (BAY-0399-33248)

Corrected the collection type precedence so it is now as follows (but also depending on whether there is a lab collection sample for the test): (IND-0499-40692)

- quick order definition
- LRFZX value of menu
- default type for location (LR DEFAULT QUICK ORDER)
- patient status

Corrected so that "How often" defaults to "ONE TIME" and is not prompted for unless the value of the parameter "LR MAX DAYS CONTINUOUS ORDERS" has a value greater than "0" for the location.

Corrected so that if there is no default specimen for the sample, and no value is set for variable LRFSPEC in the menu entry action, the specimen selection defaults to "Other...", and the list of the topography file automatically pops up when the specimen combo box is entered. (WRJ-0499-11423)

After the ACCEPT button is clicked, the selected test combo box will now be reset so that no test or quick order remains selected.

Radiology ordering dialog:

Imaging location is no longer required, and this box will not default to a value unless there is only one location defined for the imaging type selected. (BIL-0399-32796)

Changed list of available modifiers to display in alphabetical order.

OR*3.0*10 v12, cont'd

When the exam category does not match the encounter location type, an ordering location is prompted for on clicking the ACCEPT button. With v12, the list of locations presented will be only those matching the exam category. This should reduce the number of orders rejected by the radiology package. (PUG-1298-52434, AMA-0599-70531)

Corrected handling and validation of Request Date so that quick orders with relative dates should now work correctly. (HUN-0499-21971)

Corrected problem when PREOP prompt in order dialog [RA OERR EXAM] was set to "ASK ON EDIT ONLY = NO." Interactive code was then being executed, hanging the GUI. This should now work correctly. (ASH-0499-32066)

The "History/Reason for Exam" box will now require at least two consecutive alphanumeric characters before the order will be accepted. This will be consistent with both CPRS List Manager and the Radiology package. (PUG-0699-50527)

Notifications:

Corrected processing of "Imaging Request Held" alerts, which were not being handled correctly. Discovered in testing.

Excluded alerts not of type 'OR' or 'TIU' from being returned to the GUI for processing. (IND-0499-41707) Screened out Network Health Exchange alerts from being displayed in the GUI. Changed processing of TIU alerts so that upload filing error alerts are displayed in the GUI, but the user is instructed to process these via List Manager. (SFC-0499-62250)

Corrected handling of INFO ONLY alerts to look at the TAG^ROUTINE of the followup action instead of the action flag field of file 100.9. This is in response to some changes that were made by patch OR*3*31.

Corrected processing of unsigned order alerts, so that they should now be getting reevaluated and cleaned up after a signature or DC action.

If a progress note was begun while processing an alert, and the NEXT ALERT button pressed before signature, the user was correctly prompted for a signature before the next alert changed patients. The signed note was then incorrectly assigned to the second patient instead of the first. (SHE-0599-51494)

OR*3.0*10 v12, cont'd

Uploaded consult completion documents that produced an alert could not be edited or signed from the consults tab. While this is more a TIU upload issue than a GUI malfunction issue, the menu-enabling code has been changed to allow processing of these alerts from the consults tab. However, if the consult in question is selected outside of the context of processing the alert, the note will not show up as being linked to the consult. This will require a TIU patch to correct the linking of the document to the consult on upload. (MON-0499-52242)

The Edit/Resubmit menu item on the Consults tab was not enabled for all recipients of the "Cancelled Consult" notification. This has now been corrected.

Identify Additional Signers:

Corrected "List Index Out of bounds" error when changing cosigner via "Identify Additional Signers" action. Discovered in testing.

If the user removed the current cosigner from the cosigner combo box, and closed the form with no cosigner specified, the cosigner for the document was being stored as the character "0." The new behavior will remove the current cosigner from the document while retaining the requirement that a cosigner be specified before the author is allowed to sign.

Vital Entry Window:

The tab order of the items in the window is now the same order the items appear on the form. (PUG-0399-51842)

Encounter Form:

Values entered into the Vitals tab will no longer disappear if another tab is selected. (PUG-0399-51842)

Corrected index out-of-bounds error when trying to delete an education topic and the location does not have a defined AICS form. (WPB-0399-32811, LIT-0499-73084, LOM-0599-60380)

OR*3.0*10 v12, cont'd

Notes:

If there are multiple TIU titles associated with an encounter, the encounter will not be deleted when the note is deleted. Former versions of the CPRS GUI deleted all encounters associated with a note when a note was deleted.

Spelling and grammar checking have been added to the Notes, Consults, and Discharge Summary tabs. If Microsoft Word is installed on the workstation, these items will appear on the right-click popup menu while entering/editing a note. Optional custom dictionaries of medical terms have also been provided.

Corrected electronic signature entry screens so that if an incorrect signature is entered, the signature box becomes focused and selected, allowing retyping of the signature without first deleting or backspacing over the incorrect entry. (HUN-0199-20767)

Corrected Notes, Consults, and Discharge summary tabs so that VISIT DATE object should now be correctly resolved in boilerplated text. (WPB-0498-30070)

Corrected a problem with cosigner persisting between documents if the first document required a cosigner and the next did not. The user was never prompted, but the prior cosigner was saved in the second document nonetheless. This was occurring on the Notes and Consults tabs.

Corrected a problem on the Notes, Discharge Summary, and Consults tabs where an incorrect cosigner could be selected/entered, and a menu item clicked, thus bypassing the validity check on the cosigner entry. The note could then be signed with an incorrect cosigner specified. (SFC-0398-62567, HUN-0598-22312)

Corrected Notes, Consults, and D/C Summary so that when a provider edits a note created by a student, signs it, and then selects a new note (or Consult or D/C Summary), the default Author entry is reset to the provider, not the student. (HUN-0499-21568 and CTX-0499-71389)

Cover Sheet:

The window showing appointments and admissions will now also show unscheduled visits. (NOIS JAC-0499-70254, ANC-0499-51532, and NHM-0599-12322)

Patient Selection:

Changed lookup by specialty to disallow lookup of inactive specialties. (NOIS MWV-0599-21105)

OR*3.0*10 v12, cont'd

Changed lookup by provider to disallow selection of terminated providers. (NOIS OKL-0399-71563)

Reports Tab:

Imaging reports will now display the case number and exam date. (NOIS SHE-0699-50618 and NOIS WPB-0998-30888)

The display of imaging reports will be based on list manager preferences (user defined, if available, or default of 10 exams or 5 year date range). Parameters used will display. (NOIS LON-0399-62219)

NOIS calls addressed by this test version:

AMA-0599-70531	IND-0499-40692	SDC-0499-61086
ANC-0499-51532	IND-0499-41707	SDC-0699-60387
ASH-0499-32066	JAC-0499-70254	SFC-0398-62567
ATG-0599-31709	JAC-0699-71389	SFC-0499-62250
BAN-0399-12151	KAN-0199-41984	SHE-0399-53096
BAN-0599-11138	LIT-0499-73084	SHE-0599-51494
BAN-0599-11231	LOM-0299-61672	SHE-0699-50618
BAY-0399-33248	LOM-0599-60380	SUX-0499-41453
BAY-0599-31744	LON-0399-61834	SUX-0499-41644
BIL-0399-32796	LON-0599-61882	WAS-0699-21586
BIL-0499-31339	MAD-0499-43038	WIC-0499-41757
BIR-0599-30797	MAD-0599-41830	WNY-0399-12104
BIR-0699-30390	MIW-0399-42411	WPB-0399-32811
BUT-0599-22224	MIW-0499-40836	WPB-0498-30070
BYN-0599-12172	MRN-0699-40889	WPB-0499-30830
CIH-0599-42123	MWV-0599-21105	WPB-0499-32947
CTX-0499-71389	NHM-0599-12322	WPB-0499-33115
CTX-0599-70032	NYN-0898-10156	WPB-0599-32103
DAY-0499-41549	OKL-0399-71563	WPB-0599-32753
DEN-0599-51604	PAL-0399-61380	WPB-0998-30888
DEN-0599-52277	PUG-0299-51901	WPB-1098-30159
FAR-0599-40140	PUG-0399-50419	WRJ-0399-12098
HUN-0199-20767	PUG-0399-50425	WRJ-0499-11423
HUN-0199-22561	PUG-0399-51621	WRJ-0499-11775
HUN-0299-20084	PUG-0399-51654	WRJ-0599-11480
HUN-0299-20241	PUG-0399-51842	WRJ-0599-12407
HUN-0398-20735	PUG-0399-52464	
HUN-0399-20691	PUG-0699-50527	
HUN-0499-21568	PUG-0699-50606	
HUN-0499-21965	PUG-0798-51954	
HUN-0499-21971	PUG-1098-51396	
HUN-0598-22312	PUG-1098-52071	
HUN-1298-22634	PUG-1198-50457	
	PUG-1198-50704	
	PUG-1198-51875	
	PUG-1298-52434	

OR*3.0*10 V11

Version 11 of OR*3.0*10 is now available. This is the new patch tracking message for patch 10v11. For your reference:

The original patch tracking message was FORUM message #26145937.
The patch tracking message for v10 was FORUM message #28773069
The most current information about the CPRS GUI may be found at:

http://152.127.1.95/softserv/clin_bro.ad/cprs/html/gui_info.html

Please test this version thoroughly before putting it in production. It contains significant changes to orders - order printing and delayed event orders, in particular.

INSTALLATION NOTES

The following patches should be installed before installing this version of patch 10.

GMRC*3.0*4 (test version 14)
GMRC*3.0*5 (test version 6)
GMRV*4.0*7 (released)
OR*3.0*1 (released)
OR*3.0*27 (test version 7)
OR*3.0*39 (test version 4)
OR*3.0*43 (test version 1)
LEX*2.0*9 (released)
TIU*1.0*7 (released)
TIU*1.0*15 (released)
TIU*1.0*19 (released)
TIU*1.0*28 (released)
LR*5.2*220 (released)

Note the addition of GMRV*4.0*7 (pain tracking) to the list.

A new GUI executable must be used with this patch. It is available in the Salt Lake City BETA directory. The filename is: CPRSChart1_0_P10v11.exe

NEW FUNCTIONALITY in V11

Ordering

- Event delayed (admit, transfer, discharge) orders may now be entered. This is accomplished by selecting the event for which you wish to enter delayed orders from the Order Sheet list box on the left upper side of the orders screen. You may also use the items in the Order Sheets list to view event delayed orders that have already been written.
- A new parameter will allow you to suppress the display of mnemonics on ordering menus. The parameter is ORWDXM ORDER MENU STYLE. The default is to show the mnemonics.

Graphs

- Zoom feature added to Lab Worksheet.
- Graphs on worksheet and vitals will retain a zoomed date range when viewing other results in the list.
- Points are graphed so that they do not fit exactly against an axis - the margin is slightly inflated.
- Date/Time axis can display a label on increments down to one minute.
- Date range selection added to Lab tab and the Vitals form.
- Right click on graphs have actions for Values, 3D, Enable Zoom, Zoom Back, Copy, and Details.
- Details are enabled when right clicking on a point on the graph or the graph legend. Details on the legend provide a detailed report for all test values within the date range of the graph. Details on a point provide all results (any vitals or lab results) for that particular day. Details are also displayed by simply clicking on the legend or on any point on the graph.

Printing

- Added printing of orders on signature/release in cases where the orders are not auto-printed.
- The File | Print actions on the Orders tab has also been implemented.

Vitals

- The Vital entry form now includes a place for entering the pain scale.

Reports

- When configuring the health summaries that display on the reports tab, you may now use fractional numbers as the sequence number.

CPRSUpdate

- CPRSUpdate has been recompiled with Delphi 4 (as has CPRSChart). This should allow the registry to be opened read only and accessed with a lower level of privilege. The latest CPRSUpdate.exe is available in the Salt Lake City BETA directory.
- Note that when the updates run, the current version of CPRSChart (v10) will still be accessing the registry in read/write mode. So you may not see a difference in behavior until this version (v11) needs to be updated.

BUG FIXES

- Changed Allergy ordering dialog so that the site's top ten symptoms are presented at the top of the symptoms list, as defined in the Allergy Site Parameters file (120.84).
- Changed main form so that the CWAD indicator is updated when an allergy is added to a patient who did not previously have one.
- Corrected a problem in the Lab order dialog where, if a personal quick order was selected and the ACCEPT button clicked, the user was not correctly returned to the list of quick orders, but was instead left down the list at the orderable item contained in that quick order. (WPB-1198-31615)
- Corrected a sporadic access violation on initialization of the lab order dialog when certain tests were selected.
- Corrected some miscellaneous filtering problems on the Problems tab.
- Corrected a problem on the Radiology order dialog related to patient status and ordering category not matching (inpatient/outpatient). This was partially fixed in v10, but the selected location was not being correctly recorded in the order. (PUG-1298-52434, SHE-0299-50666)

- Corrected a problem in the Consults and Procedures dialogs that was causing the dialogs to display partially off the right side of the screen when the user was in 640x480 mode. This error was introduced by v10b when the 'Reason for Request' field was widened to prevent incorrect word wrap.
- The forms have been rearranged to maximize the size of the 'Reason' box, the treeview has been hidden, and a button has been added to make the treeview drop down and be usable if the button is clicked.(PUG-0299-51180, LOM-0299-60729)
- Fixed problem on Lab results list on cover sheet, where orders with non-integer IENs (e.g., 123456.7;1) would not display results when clicked.
- Changed "OTHER" selection in Lab Collection Time list to "FUTURE". Also added a check to prevent ordering 'LAB COLLECT' times for INPATIENTS more than one week in the future. This is now consistent with List Manager. (DAY-0299-40917)
- Corrected a problem on the reports tab with the processing of Imaging notifications. Recent changes to the upper list box contents caused the previous functionality to stop working.
- Added code to Notes tab to ensure the list of consults on the Consults tab gets updated on signature of a progress note completing a consult.
- Corrected Problem List tab so that the check for a clinical user is determined by the presence of the ORES or ORELSE keys, rather than by the absence of the OREMAS key.
- The Consults and Procedures ordering dialogs now check for the presence of the variables GMRCNOAT and GMRCNOPD, and disable the Attention and Provisional Diagnosis entry boxes if these variables are greater than zero, as defined in the entry action of the ordering menu. This setting affects all quick orders on the menu where it is set.
- Added code to Notes tab to ensure the service connected encounter questions are answered when TIU indicates this requirement. The same code was also added to the Consults tab. (HUN-0199-22223)
- Added code to the notes tab so all titles marked by TIU to prompt for workload will provide a prompt before signing. The same code was also added to the Consults tab. (SHE-0199-51122, HIN-1198-40606, HIN-1198-40606)
- Added code disabling encounters for future dates. (HUN-0199-20762)

- The orders tab should now display orders the same as list manager. Previously, there were differences in the way the two dealt with context hours and filtered outpatient meds while the patient was an inpatient.
- There should no longer be a server error when long text strings are pasted into the progress notes title box.
- Renewing medications now checks to make sure the provider is authorized to write med orders.

Patch 10 v10

New Functionality in V10

Quick Orders

The mechanism for handling quick orders has been changed substantially. When a quick order is selected, the default and condition actions are now executed, as with the LM interface. This should fix some problems where fields didn't get set properly and will more accurately determine if an interactive dialog needs to be presented.

It is VERY IMPORTANT, if you have added any executable code to the condition or default fields, that they be checked to make sure they don't require user interaction. The exported order dialogs have been checked. The fields that are executed are (in the ITEMS multiple):

ASK ON CONDITION (101.412, 13)
 DEFAULT (101.412, 17)

In particular, it is important that these fields not do any READs that could get into a loop when the null device is the current device. (WRITEs and READs that don't re-prompt are not as big a problem, since the null device is used).

When a quick order is selected, if a field needs to be answered, the ordering dialog will be presented. If there is no need for input, and VERIFY ORDER is true, an Accept / Edit / Cancel dialog (similar to LM) will appear. If VERIFY ORDER is false, the order will simply be entered. This means the auto-accept flag at this point just determines whether the auto-accept indicator appears on the menu. If auto-accept is set, and the default and condition code indicates a need for input, the ordering dialog will still appear.

The entry actions for menus and quick orders are now parsed to see if values have been set for key variables that control order prompting (the variables used since OE/RR 2.5). In particular, the actions are parsed for the variables LRFZX,

LFRSAMP, LRFSPEC, LFRDATE, LRFURG, LFRSCH, PSJNOPC, GMRCNOPD, GMRCNOAT, and GRMCREAF. If these variables are found, they are set as they would be with the LM interface.

Ordering

- The actions on the meds tab have now been implemented.
- Mnemonics will now display on the ordering menus.
- An ordering dialog for Allergies has been added.

GUI Enhancements, cont'd

Consults

- Added Edit/Resubmit followup action for alerts regarding cancelled Consults and Procedures.
- Changed Enabled property of Consults tab ordering buttons/menus to reflect the state of [ORWOR WRITE ORDERS LIST] for the user. If User.No Ordering is true, then all are disabled. Otherwise, they correspond to the presence or absence of the particular ordering dialog for the user. The Add New Orders menu will still allow ordering, if present.
- Added combo box for selection of Consult service to Order Dialog, Forward, View by Service, Custom List, and Edit/Resubmit actions. Changed display of consults list to match the new format used in List Manager.

Printing

- Printing has been enabled for the Reports Tab. This functionality will allow printing of reports using printer devices defined on Server.
- Printing has been enabled for the Labs Tab. This functionality will allow printing of Lab reports using printer devices defined on Server. Some of the reports on this tab contain window graphics and cannot be printed to printers on the server. These are the Worksheet, Graph, and Most Recent displays.
- The device selection window, used in the Consults, Notes, Labs and Reports tabs, now does similar screening on devices found in Kernel s Device Handler. Screening now includes:
 - Printer subtypes
 - Device Types of HG and TRM allowed
 - Queuing allowed
 - Out of Service
 - Prohibited times
 - Security checks

-- General

- Added context-sensitive help at the tab level.
- Added double-click event handler to notifications list box, to allow processing of a single alert by double-clicking.

GUI Enhancements, cont'd

- The Lab Status report has been added to the Labs Tab.
- The user is now warned when a deceased patient is selected.

Patch 10 v10 BUG FIXES

- Corrected a problem where notes created for patients who had been interward-transferred were still picking up and storing the original ward as the note location. (STX-1098-71924)
- Added display of Admission and Discharge dates to Discharge Summary tab.(PUG-0998-51778, and test site call request)
- Widened Consults and Procedures order dialogs slightly to accommodate the full width of List Manager-entered text in the Reason for Request memo box and prevent unwanted wordwrap. (PUG-1198-52546)
- Corrected a problem with the Collection Times box on the Lab Order Dialog screen. If a quick order left that field blank, the combo box was initializing as empty until a collection type was reselected. (DAY-1198-42472) Also changed the label to read "Collection Date/Time", per Washington request on test site call of 12/2/98.
- Corrected a problem in all 5 of the Consults service Treeviews, where if a grouper service was added under a grouper service, but also appeared elsewhere in the tree, all of its children would appear doubled in both places. (PUG-0798-51923)
- Fixed an error at ORDERS+4^ORCXPND1 that could only have been occurring in the processing of Site-flagged or Order-flagged Results alerts or displaying lab results from the cover sheet. (DAY-1198-42111)
- Changed logic for retrieval of orderable procedures to check for both an inactivation date in the Orderable Items file and a DISABLED entry in the Protocol file, and whether a Consults service is defined that can perform each procedure. Only procedures that are active in all three places will be displayed for selection. (HUN-0898-20422, PAL-1098-61762)
- Changed alert processing logic so that unsigned order alerts are deleted when there are no more unsigned orders for the patient. (SHE-1098-52598)
- Corrected error on Problem List tab, where the current Problem List User Parameters were getting set based on Encounter.Provider instead of User.DUZ. (PUG-0798-51948)

GUI Fixes, cont'd

- On patient selection screen, if any alerts were selected and the 'Process Info' button clicked, the selected alerts would be processed in addition to the informational alerts. Corrected.
- Changed color of 'Previous Tests' box on Radiology dialog to display correctly regardless of the user's color scheme.
- Changed Radiology order dialog to preserve the contents of the REASON box both when a different procedure is selected and on accepting an order and reinitializing the dialog. (WPB-1298-30758)
- Corrected M error in Radiology order dialog related to retrieval of APPROVAL requirement for a radiology procedure. (POP-1298-41460)
- Added code to check for a zero Display Group value on clicking the Imaging Type selection box. If zero, procedure exits without error. This should prevent an intermittent error on some systems reported by Denver and Huntington. (DEN-1198-51849, HUN-1298-20562)
- Corrected a problem on the Lab order dialog where Collection Sample was not being correctly prompted when only one collection sample was defined, even though it was not a UNIQUE collection sample. (IND-1298-41218)
- Corrected a problem on the Lab order dialog where selecting same orderable item twice in sequence failed to populate, allow selection from, or enable the collection sample or specimen combo boxes. (PRO-1298-10967)
- Corrected the radiology order dialog so that text in the 'History and Reason for Exam' box automatically wraps at 74 characters.
- Added keyboard control-key shortcuts to the Consults tab for 'Significant Findings' and 'Administrative Complete' actions. Changed several other existing shortcuts on the 'Tracking' menu to eliminate duplicates already present.
- Corrected problem on Radiology order dialog where an inpatient procedure could not be ordered for a current outpatient, and vice versa. Added a new prompt for Ordering Location in these circumstances. (PUG-1298-52434)
- Corrected a problem in the processing of TIU notifications on the Consults tab, where no consult was found to be associated with the alert. (SHE-0199-50142)
- Corrected the order that vitals are entered to provide consistency with the list manager interface. (PUG-1098-52654)

GUI Fixes, cont'd

- Corrected an error with the "Add to PL." check box, on the diagnoses page of the encounter form, not remaining checked for the associated item. (WPB-1298-30757)
- Corrected an error with the problem list items, on the diagnoses page of the encounter form, not being reloaded when the patient changes and the clinic does not. (WPB-1198-31958)
- The problem list items on the diagnoses page of the encounter form have been moved to the top of the list. (WPB-1198-31749)
- When displaying the Lab cumulative, a limitation has been imposed because of restrictions in previous versions of Delphi. This limitation is no longer necessary, and has been removed. (PUG-1298-50885)
- When a nurse releases orders, electronic signature is now prompted.
- When a med student enters an order, the notifications should now fire.
- The disabled flag is now checked for each quick order, ordering menu, and order dialog.
- Orders that are only a few pixels high (and thus unreadable) should no longer appear on the Orders tab.
- An order may no longer be verified twice.
- The IV Fluids dialog should no longer inappropriately reject some infusion rates.
- The values for routing and refills in an outpatient med quick order should no longer be overwritten.

Patch 10 V. 10b

The following changes are in the 10b executable:

1. Corrected hanging of Consults and Procedures order dialogs when information was missing and the Accept button was clicked. Error message now correctly displays ON TOP of the dialog instead of behind it.
2. Corrected extreme slowness problem on building of consults service tree for large sites. Additional speed should be achievable by defining the services hierarchically in file 123.5 rather than placing 300 services under ALL SERVICES.
3. Corrected cover sheet so that Allergy list and Postings list are correctly updated when a new allergy is entered and the order signed, either from the Review screen or from the Orders tab menus. CWAD indicator updating will be included in v11. (ALB-0199-51747)
4. Corrected Problems tab so that the initially highlighted problem when displaying the tab is actually selected and appropriate menus are active. (ALB-0199-51747)
5. Corrected Problems tab so that (u)nverified status indicator is visible to ALL users, but only clinical users are still allowed to actually verify the problem. (PUG-0798-51948)
6. Corrected bug in the grid component on the Problems tab that was preventing filtering from working correctly. View/Filters should now correctly select problems by clinic, service, provider, and inpatient/outpatient status. (WPB-1098-30159)
7. Changed Problems tab so that ENTERED BY will be set to the current user, and RECORDED BY will be set to the selected encounter provider. Previously, ENTERED BY was being set to the selected encounter provider.
8. Changed behavior of memo boxes on Notes, Consults, and Discharge Summary tabs to allow use of the tab key within the note.

Patch 10v9

- Order Checking has been implemented.
- Order sets are now supported when selected from an orders menu. When an order set is selected, the system iterates through each order, as with list manager. If there is user interaction required, a dialog is displayed. Otherwise, the order is simply placed. At this point in time, if the order set contains a menu, the menu is skipped. There needs to be a considerable amount of additional work if menus are to be accessed from within an order set.
- New orders now always go to the top of the Orders screen when placed. At the point they are signed, they get reshuffled into their various categories. Since new orders now always appear at the top of the orders list, the small box at the bottom of the ordering menu has been removed. It was only there to provide feedback that an order was actually placed when there was no interactive dialog. This was problematic for order sets, so it seemed better to consistently have the feedback on the orders sheet itself.
- The Lab ordering dialog has been enhanced to include a prompt for collection type, including Immediate Collect, if available at the ordering location. Collection sample and specimen selection has also been enhanced to include "Other" in appropriate circumstances.
- The Problem List tab now includes the display of active comments for any problems, where they are present.
- The encounter button on the progress notes tab is enabled for outpatient clinics. This enabled capture of encounters for inpatients assigned to an outpatient clinic.
- Problem list items are now selectable from the diagnoses tab on the encounter form.

Bug Fixes

- Corrected problem list tab so that current category of problems is redisplayed when switching to another tab and back again. (WPB-0998-31907)
- Corrected another problem list error of original provider being recorded as the source of comment actions. (PUG-0998-52376)
- Added display of active comments to Problems tab for problems that have had comments added. (WPB-0398-31730)

GUI Fixes, cont'd

- Wrapped text in 'Reason for Request' field of Consults and Procedures order dialogs at 74 characters. (WPB-1098-30158, WPB-1098-30857)
- Corrected problem where clerks were able to verify unverified problems under certain circumstances. (PUG-0998-52377)
- Fixed a problem where a value of '0' was being passed in to a function that returned information about a Consult IEN. UNDEF was the result. (LIT-0998-72059)
- Fixed a situation where a clinic's list of problem categories was not being returned on entry of new encounter information. (HUN-0898-20848)
- Corrected a problem where the ICD9 code was not being correctly returned/stored when a problem was selected from a user's common problem list. (WPB-1098-30709)
- Corrected tab order on the "Receive a Consult" screen. (WPB-1098-30856)
- Added the selection of multiple statuses to the consults list by status and custom list, both on the View menu. (PUG-1098-52071)
- Added logic to the Lab Ordering Dialog to respect the location's defined value for parameter "LR DEFAULT TYPE QUICK" when first opening the dialog. (IND-1098-42170)
- The value of POS was showing up in lab results displays. This was happening after a test was selected that had a Print Code associated with it. (PUG-0998-51770)
- Corrected updating to Most Recent lab report (WPB-0798-30392)
- Properly displays Most Recent and All Tests lab reports when chem and micro samples have the same exact collection time (WPB-0898-31674, BAY-1098-31866)
- Corrected passing a zero as a provider when a diagnoses was selected from the encounter form, using the "other button (EKH-1098-41755, DAY-0898-41009, CIN-0898-40916, SHE-0798-52204).
- A provider is no longer required to enter vitals (SHE-0698-51955).

Previous GUI Patches

- The ability to enter Skin Tests, Immunizations, Health Factors, Patient Education, and Exams from the Encounter Form while entering a new Progress Note has been added.
- The Reports Tab has been enhanced to include:
 - Summary of Patient Procedures report from the Medicine package.
 - The same Anatomic Path report that is used in the ListMan interface.
 - Daily Order Summary
 - Order Summary for a Date Range
 - Chart Copy Summary
 - Outpatient RX Profile
- It is now possible to process notifications that have follow-up actions. Notifications are selected from the Patient Selection window. Pressing the Process button will navigate the user to the proper location in the chart where action on the selected notification may be taken. The notification being processed is displayed in the status bar at the bottom. The Next button, displayed alongside it, will take the user to the next selected notification. While processing a notification, all the other chart tabs are active and may be used.
- Order dialogs for Consults, Diet, IV, Labs, Inpatient and Outpatient Meds, Procedures, Radiology, Text Only, and Vitals are available.
- Vitals can also be ordered from the Cover Sheet.
- The Consults, Notes, and Discharge Summary Tabs have been enhanced to include "Identify Additional Signers."
- The cover sheet can now load some of the boxes in the background. This is controlled by the parameter, ORWOR COVER RETRIEVAL. The exported behavior is to load Clinical Reminders, Lab Tests, and Appointments in the background. This can be modified locally.
- The GUI will timeout and close if there is no mouse or keyboard activity for DTIME. A parameter is available for setting the timeout used by the GUI. This timeout will not affect any applications except CPRSChart.exe. The parameter is named ORWOR TIMEOUT CHART. (It also needs to be edited using General Parameter Tools). It can be set at the site level or for individual users.
- Locking the patient when ordering has now been implemented. During the time that you have the lock on the patient, the word 'LOCK' is displayed in the status bar.

GUI Enhancements, cont'd

- The Discharge Summary tab is now implemented, and is very similar to the current Notes tab. Only one summary is allowed per admission. Incomplete summaries can be edited with appropriate user privileges. The attending is the required cosigner in all cases. Entry by a transcriptionist is not yet supported.
- Quick Orders are now available. An Add New Orders choice is available from the Write Orders box; this selection presents a screen of quick orders similar to the List Manager (and OE/RR 2.5) Add Order screen. Order menus like those used in the List Manager interface may now be used from the GUI. These menus are displayed in a navigation window, allowing the user to quickly traverse the menus. To use these menus from the GUI they need to be added so that they appear in the Write Orders listbox. This can be done by adding the menu(s) to the parameter, ORWOR WRITE ORDERS LIST, the same way an ordering dialog would be added. Alternatively, you can use a -new- parameter, ORWDX WRITE ORDERS LIST. This is a single valued parameter that points to entries of type MENU in the ORDER DIALOG file. The selected menu will be used to create the items in the listbox.
- The primary care team, primary care physician, and attending physician (in the case of inpatients) are now displayed in the header bar. Clicking on the area will display phone and pager numbers. There is also a place in the header bar for an indicator that CIRN data is available. This is disabled at present.
- When pasting into a progress note, the paste is now intercepted so that formatting information (font changes, bolding, etc.), which can't be stored on the M server, doesn't appear in the progress note.
- When a TIU document is deleted by a user authorized to do so, a reason for deletion is prompted if the progress note has been signed.
- Users without the provider key can now be selected as the encounter provider so that they can fill out encounter data. The provider key isn't checked until the user starts to place orders.
- The Problem List tab now requires entry of encounter information, if not already present, before any entry/update action can be taken on a problem.
- A new menu, Options, appears when the Orders tab is selected. The items on this menu manage quick orders. A user may, during the course of most ordering dialogs, choose to save the responses they have entered as a quick order. The quick orders a user has saved will then appear at the top of the initial listbox the next time the user clicks that dialog in the "Write Orders" list.
- Order sets can be set up for the GUI now.
- The ability to add an Encounter diagnosis to the Problem List is available now.

Released Patches

Patch #	Description	Date Released
OR*3*1	PREVENT OPENERR IN %ZISH	FEB 10, 1998
OR*3*2	FIX ALLOCATION ERRORS ON	APR 16, 1998
OR*3*3	FIXES FOR ALLOCATION, ME	JUL 31, 1998
OR*3*4	ORDER DIALOG CORRECTIONS	JUN 12, 1998
OR*3*5	NO ORDER TEXT = NULL SUB	FEB 10, 1998
OR*3*6	PHARM API/UNSIGNED ORDER	OCT 29, 1998
OR*3*7	NEW ORDERS CORRECTIONS	SEP 08, 1998
OR*3*8	MENU EDITOR CORRECTIONS	NOV 12, 1998
OR*3*9	TEAM LIST DISPLAY FIX	MAR 11, 1999
OR*3*12	LAB ORDER COMMENTS NOT D	AUG 06, 1998
OR*3*13	RETURN OF ORX8	APR 27, 1998
OR*3*14	DISALLOW STARTING CONVER	OCT 08, 1998
OR*3*15	DC BY PRINT FIELD	MAY 10, 1998
OR*3*16	PATIENT LOCKOUT	JUL 15, 1998
OR*3*18	NUMERIC TEAM LIST NAME	MAY 05, 1998
OR*3*19	PROTOCOL REPLACEMENT	MAY 06, 1998
OR*3*20	ENHANCED INCONSISTENCY C	OCT 29, 1998
OR*3*21	CPRS API FOR CONSULTS	JUL 07, 1998
OR*3*22	CPRS/TIU INTERFACE FIXES	JUL 09, 1998
OR*3*23	TASKED DAILY ORDER SUMMA	JUL 22, 1998
OR*3*24	AUTO-DC OF GENERIC ORDER	DEC 21, 1998
OR*3*25	SUPPRESSING PATIENT REPO	JUL 15, 1998
OR*3*26	CONSULTS INTERFACE, ORDE	MAR 29, 1999
OR*3*27	CHART TAB DISPLAYS	MAR 09, 1999
OR*3*28	BLANK CHART COPIES ON DC	OCT 30, 1998
OR*3*29	CPRS-Lab Interface Corre	JAN 20, 1999
OR*3*30	CONSISTENT 'NO DATA' MES	NOV 04, 1998
OR*3*33	CPRS-ARTS COMPLIANCE W/	NOV 04, 1998
OR*3*34	DETAILED DISPLAY DATA	FEB 01, 1999
OR*3*35	RX ACTION PROFILE	NOV 19, 1998
OR*3*36	ORDERING LOCATION/PROVID	JAN 29, 1999
OR*3*37	CPRS DAILY ORDER SUMMARY	NOV 19, 1998
OR*3*38	PHARMACY INTERFACE FIXES	FEB 17, 1999
OR*3*39	RELEASE DELAYED ALLERGY	FEB 18, 1999
OR*3*41	ADD ORDERS OPTION	JAN 15, 1999
OR*3*43	PRINT LAB STATUS FROM GU	MAR 16, 1999
OR*3*52	PATIENT SELECTION SCREEN	APR 22, 1999

Unreleased Patches in "Unreleased Patches Build"

GMRC*3*4v19
GMRC*3*5v10
OR*3*58v1
TIU*1*47v3
TIU*1*76v1
OR*3*10v12 (the CPRS GUI v12 server-side patch)

E3Rs Resolved in CPRS

Ref. #	Description	Resolution
360	ALLOW URGENCY FOR RANGE OF TESTS	Functionality in CPRS 1.0
360	ALLOW URGENCY FOR RANGE OF TESTS	In CPRS 1.0
766	NPO AT MIDNIGHT	In CPRS 1.0
766	NPO AT MIDNIGHT	In CPRS 1.0
777	CHART COPIES & ELECTRONIC SIGNATURE	In CPRS 1.0
779	MENU DISPLAY CONTROL	In CPRS 1.0
781	LAB TESTS IN PROTOCOL FILE	In CPRS 1.0
781	LAB TESTS IN PROTOCOL FILE	In CPRS 1.0
782	# OF LAB REQUISITIONS PRINTED	In CPRS 1.0
911	LAB ORDER COMMENT PROBLEM WITH OE/RR	In CPRS 1.0
1461	PATIENT CATEGORY ON OE/RR SCREEN	In CPRS 1.0
2095	DC-RENEWAL-DRUG	In CPRS 1.0
2141	FORMATTED PROGRESS NOTE FUNCTIONALITY	In CPRS 1.0
2254	ALLERGIES AS ORDERABLES	In CPRS 1.0
2276	DELETE ORDER(S) DISPLAY SCREEN	In CPRS 1.0
2279	ALLOW # OF DAYS IN ADMINISTRATION SCHEDULE	In CPRS 1.0
2387	SELECTIVE RELEASE OF ORDERS	In CPRS 1.0
2429	ALLOW COLLECTION TYPE TO BE CHANGED	In CPRS 1.0
2430	COLLECTION DATE/TIME DEFAULT	In CPRS 1.0
2454	Consult package-word processing field added	Duplicate of 3076
2454	Consult package-word processing field added	Duplicate of 3076
2455	EDIT 'OTHER ORDERS' AFTER SIGNATURE	In CPRS 1.0
2527	REVIEW ON PATIENT MOVEMENT	In CPRS 1.0
2538	VERBOSE INPUT TRANSFORMS	In CPRS 1.0
2579	ACTION ALERT MODIFICATION	In CPRS 1.0
2650	Daily order summary - ward parameter for sort order	Duplicate of 10578
2650	Daily order summary - ward parameter for sort order	Duplicate of 10578
2674	LAB REQUISITIONS PRINT CHANGE REQUEST	In CPRS 1.0
2684	PREVENT DUPLICATE PHARMACY ORDERS	In CPRS 1.0
2690	CONSULT TRACKING COMMENTS	In CPRS 1.0
2693	DUPLICATE MEDICATION ORDER WARNING	In CPRS 1.0
2753	INPATIENT LOCATION	In CPRS 1.0
2754	RADIOLOGY -CT/US PROCEDURES	In CPRS 1.0
2775	Vitals special instructions don't print	In CPRS 1.0
2775	Vitals special instructions don't print	In CPRS 1.0
2776	NOT ENOUGH PRINT FIELDS FOR PHARMACY LABEL	In CPRS 1.0
2780	RENEWAL OF TEXT ORDERS	In CPRS 1.0
2786	Ability to edit location needed	In CPRS 1.0
2786	Ability to edit location needed	In CPRS 1.0
2843	START/STOP ON TEXT ORDERS	In CPRS 1.0
2844	ALERT ON NEW ORDERS AND STAT ORDERS	In CPRS 1.0
2882	Time dependent service copies	Duplicate of 10644
2882	Time dependent service copies	Duplicate of 10644
2907	INPATIENT MEDS BEFORE PAT ADMITTED	In CPRS 1.0
2909	NEW NATURE OF ORDER	In CPRS 1.0
3040	SERVICE/SPECIALTY DISPLAY	In CPRS 1.0
3062	COSIGNATURE OF ORDERS	In CPRS 1.0
3067	SOP ORDERS	In CPRS 1.0
3072	ALLERGY ORDER	In CPRS 1.0
3077	OE/RR PRINT FIELDS	In CPRS 1.0
3098	ADDITION OF DRUG & LAB TEST COSTS ON ORDERING SCREENS	In CPRS 1.0
3126	NOTIFICATION STATS	In CPRS 1.0
3178	PROVIDER COMMENTS IN PHARM ORDER SETS	In CPRS 1.0

Ref. #	Description	Resolution
3198	RENEWAL IN REAL TIME	In CPRS 1.0
3219	SCREEN HANDLING	In CPRS 1.0
3337	REVIEW ORDERS	In CPRS 1.0
3339	DC ALL ORDERS UPON MOVEMENT	In CPRS 1.0
3387	STOP ORDER NOTICES	In CPRS 1.0
3388	ALLOW FOR RENEWAL OF COMPLETED/EXPIRED ORDERS	In CPRS 1.0
3401	PRINT FORMATS FOR LABELS	In CPRS 1.0
3435	INCREASING PROVIDER ACCURACY	In CPRS 1.0
3436	INCREASING PROVIDER ACCURACY	In CPRS 1.0
3450	PHYSICIAN ORDER SUMMARY	In CPRS 1.0
3479	CONTINUOUS ORDER START/STOP DATES	In CPRS 1.0
3499	ORDER SUMMARY DATES	In CPRS 1.0
3507	SWITCH PATIENT BEDS	In CPRS 1.0
3656	DELETE COMPONENTS OF ORDER SETS	In CPRS 1.0
3740	BUILD TEAM LISTS BY CLINIC ENROLLMENT	In CPRS 1.0
3798	FUTURE CONSULT/REQUEST ORDERS	In CPRS 1.0
3800	Addition to print fields list	Duplicate of 6610
3800	Addition to print fields list	Duplicate of 6610
3838	DAILY ORDER SUMMARY	In CPRS 1.0
3854	CHOOSE ORDERS TO ACCEPT	In CPRS 1.0
3879	LAB TEST LABEL CHOICES.	In CPRS 1.0
3896	ADD NOTIFICATION ON DISCHARGE	In CPRS 1.0
3904	NOTIFICATIONS WITH LAB PANELS	In CPRS 1.0
3917	Allergy/ADR display	Duplicate of 10891
3917	Allergy/ADR display	Duplicate of 10891
4003	LAB DELETION	In CPRS 1.0
4053	DOCTOR'S ORDERS SHEET	In CPRS 1.0
4054	CHART SUMMARY ORDER	In CPRS 1.0
4056	TUBEFEEDING/EXPIRATION DATE	In CPRS 1.0
4112	ATS WARNING WHEN REQUESTING RAD ORDER	In CPRS 1.0
4181	CREATE MORE LAB PROTOCOLS FOR RESULTS REPORTING	In CPRS 1.0
4189	NOTIFICATIONS AND USER ASSISTANCE	In CPRS 1.0
4195	ORDER SUMMARY BY SERVICE	In CPRS 1.0
4196	STOP DATE FOR GENERIC ORDERS	In CPRS 1.0
4198	STAT ORDER PRINT FORMAT	In CPRS 1.0
4199	SAME EDITING FORMAT	In CPRS 1.0
4368	CWAD	In CPRS 1.0
4422	Text order to print on remote printer	Duplicate of 5169
4422	Text order to print on remote printer	Duplicate of 5169
4516	NOTIFICATIONS	In CPRS 1.0
4536	Service copy printer default	Duplicate of 10644
4536	Service copy printer default	Duplicate of 10644
4566	VITALS (SPECIAL INSTRUCTIONS).	In CPRS 1.0
4704	CONSULTS/RECORD TRACKING	In CPRS 1.0
4717	SCREEN DISPLAYS GO BY TOO FAST TO READ	In CPRS 1.0
4732		In CPRS 1.0
4732	PERMIT SOME (RATHER THAN NONE/ALL) PN CO-SIGNING	In CPRS 1.0
4783	DATE/TIME ASSIGNED TO CO-SIGNED ORDERS	In CPRS 1.0
4817	DNR TRACKING	In CPRS 1.0
4901	UNSIGNED ORDERS BECOMING ACTIVE	In CPRS 1.0
4944	BACKWARD SCROLLING IN RR	In CPRS 1.0
4971	RADIOLOGY ENHANCEMENT	In CPRS 1.0
5024	COMPUTERIZE NURSE VERIFICATION OF ORDERS	In CPRS 1.0
5045	ACT OF EXISTING ORDERS - ADD YEAR TO DATE COLUMNS	In CPRS 1.0
5091	TEXT ORDER EXPIRE DATE	In CPRS 1.0
5124	HOLDING PHARMACY ORDERS	In CPRS 1.0
5125	DELETE A DUPLICATE ORDER	In CPRS 1.0
5169	Text order to remote printer	Duplicate of 11549
5169	Text order to remote printer	Duplicate of 11549
5196	DISPLAY GENERAL WARD INSTRUCTIONS	In CPRS 1.0
5210	OE/RR print fields	In CPRS 1.0

Ref. #	Description	Resolution
5210	OE/RR print fields	In CPRS 1.0
5230	DISCHARGE LOCATION PROBLEM	In CPRS 1.0
5232	Discontinue orders/add new orders	In CPRS 1.0
5234	DC generic orders at transfer except to UA or AA	In CPRS 1.0
5234	DC generic orders at transfer except to UA or AA	In CPRS 1.0
5286	NEW NOTIFICATIONS	In CPRS 1.0
5392	OE/RR IV SOLN ORDER PRINT CONFUSING	In CPRS 1.0
5655	DISPLAY OE/RR PARAMETERS	In CPRS 1.0
5698	Eliminate trailer to orders	In CPRS 1.0
5698	Eliminate trailer to orders	In CPRS 1.0
5727	RA QUICK ORDERS/CLINICAL HIST	In CPRS 1.0
5756	ALLOW RADIOLOGY QUICK ORDERS TO INCLUDE MODIFIERS	In CPRS 1.0
5770	NEW ORDERS UNDER REVIEW ORDERS IF NONE ON FILE	In CPRS 1.0
5822	ALLOW MULTIPLE LAB QUICK PROTOCOLS	In CPRS 1.0
5834	TEXT ORDERS TO CALL SCREEN EDITOR	In CPRS 1.0
5872	Improve daily order summary	In CPRS 1.0
5872	Improve daily order summary	In CPRS 1.0
5876	CHANGE DOSAGE OF ORDERED MEDICATION	In CPRS 1.0
5877	REMOVE "GIVE" FROM A DISCONTINUED ORDER	In CPRS 1.0
5879	Daily order summary order enhancement	In CPRS 1.0
5879	Daily order summary order enhancement	In CPRS 1.0
5899	Lab orders not showing collection method	In CPRS 1.0
5899	Lab orders not showing collection method	In CPRS 1.0
5932	SHORTEN LAB REQUEST TIME	In CPRS 1.0
5934	Select new patient	In CPRS 1.0
5934	Select new patient	In CPRS 1.0
5969	DATA FLEXIBILITY	In CPRS 1.0
5982	SAME LAB TEST ORDERED CONSECUTIVE DAYS	In CPRS 1.0
6107	DC REMOVE EDITED DC'D ORDERS	In CPRS 1.0
6124	BULLETIN FOR FLAGGED ORDERS	In CPRS 1.0
6133	FLAGGED ORDERS/VIEW ALERTS	In CPRS 1.0
6135	Restrict access to sign unsigned orders	Duplicate of 6823
6135	Restrict access to sign unsigned orders	Duplicate of 6823
6186	RANKING OF ORDERS	In CPRS 1.0
6314	Sort daily order summary by room-bed	Duplicate of 10578
6314	Sort daily order summary by room-bed	Duplicate of 10578
6325	ADD PROVIDER COMMENT TO DC ORDERS	In CPRS 1.0
6428	PROVIDERS COMMENTS PROBLEMS	In CPRS 1.0
6554	Daily order summary	Duplicate of 10578
6554	Daily order summary	Duplicate of 10578
6687	REMOVE USER FROM TEAM LIST ON TERMINATION DATE	In CPRS 1.0
6824	NOTIFICATIONS FOR WARD CLERKS	In CPRS 1.0
6917	PROVIDE ON-LINE NURSING VERIFICATION OF NEW ORDERS	In CPRS 1.0
6941	DEFINITION OF ORDERING PROVIDER	In CPRS 1.0
6979	MULTIPLE TF ORDERS W/DIETETICS V5.0	In CPRS 1.0
6980	Start/stop dates for providers	In CPRS 1.0
6980	Start/stop dates for providers	In CPRS 1.0
7125	DC-ADR pharmacy action command	Patched in OR*3*48
7125	DC-ADR pharmacy action command	Patched in OR*3*48
7172	GLUCOPHAGE ALERT	In CPRS 1.0
7187	NEW FIELD TO PROMPT FOR NPO AT MIDNIGHT	In CPRS 1.0
7236	Display last drug level with new orders	In CPRS 1.0
7236	Display last drug level with new orders	In CPRS 1.0
7287	MAKE LRUMDA A PROTOCOL FOR USE IN OE/RR	In CPRS 1.0
7297	Need multiple service copy devices	Duplicate of 10644
7297	Need multiple service copy devices	Duplicate of 10644
7334	LIMITED PARAMETERS EDIT	In CPRS 1.0
7412	Suspense orders	In CPRS 1.0
7412	Suspense orders	In CPRS 1.0
7469	24-HR order summaries	In CPRS 1.0
7469	24-HR order summaries	In CPRS 1.0
7497	Discharge instruction sheet	In CPRS 1.0

Ref. #	Description	Resolution
7497	Discharge instruction sheet	In CPRS 1.0
7515	CHANGE TO REQUISITIONS PARAMETERS	In CPRS 1.0
7533	NEED FINER CONTROL OVER NOTIFICATIONS	In CPRS 1.0
7534	HIGHLIGHTED "UNSIGNED UNRELEASED" ORDERS	In CPRS 1.0
7538	NOT OE/RR; ORF2 ROUTINE DESCRIBED AS KERNEL 8.0	
7561	PROVIDE LAB GRAPHS IN CPRS 1.0	In CPRS 1.0
7586	REVISE RELEASE OF ORDERS WITH UNASSIGNED SIG CODE	In CPRS 1.0
7638	Template for long term care (NHCU)	In CPRS 1.0
7638	Template for long term care (NHCU)	In CPRS 1.0
7645	ALLOW REINSTATEMENT OF AUTO-DC'D PHARM ORDERS	In CPRS 1.0
7708	ADD ORDER TEXT TO FLAGGED BULLETIN	In CPRS 1.0
7829	Act on orders screen	Duplicate of 11798
7829	Act on orders screen	Duplicate of 11798
7837	REQUEST FOR PROTOCOL TEST OPTION	In CPRS 1.0
7911	Print title under 'entered by'	In CPRS 1.0
7911	Print title under 'entered by'	In CPRS 1.0
7931	SELECT NOTES BY NUMBER FROM REVIEW SCREEN	In CPRS 1.0
7948	CHANGE PATIENT LOCATION DEFAULT FOR OUTPTS	In CPRS 1.0
8010	DOESN'T INTERFACE W/NUTR ASSESSMENT	In CPRS 1.0
8019	Modify order summary reports	In CPRS 1.0
8019	Modify order summary reports	In CPRS 1.0
8184	Correct auto-cancel of orders on transfer	In CPRS 1.0
8184	Correct auto-cancel of orders on transfer	In CPRS 1.0
8280	DETAILED ORDER DISP LACKS DETAILS ON DC'D ORDERS	In CPRS 1.0
8383	ADD YEAR TO START DATE	In CPRS 1.0
8396	DON'T PRINT "NO ORDERS" ON DAILY SUMMARY	In CPRS 1.0
8459	DISPLAY MODIFIED RADIOLOGY ORDERS	In CPRS 1.0
8500	SEND FLAGGED ORDER MESSAGE TO SENDER	In CPRS 1.0
8645	STOP DATE FOR GENERIC ORDERS	In CPRS 1.0
8666	OE/RR ENTRIES ARE DEFAULTING TO THE FIRST ENTRY	In CPRS 1.0
8681	EDITED ORDERS BEING UNRELEASED	In CPRS 1.0
8746	ADD ORDER NUMBER TO DT DISPLAY	In CPRS 1.0
8796	ADD ABILITY TO COMPLETE GENERIC ORDERS	In CPRS 1.0
8894	DC REASON FILE IS INADEQUATE	In CPRS 1.0
8938	SHOW PRIMARY CARE TEAM ASSIGNMENT	In CPRS 1.0
9035	ABLE TO DUPLICATE LAB TEST ORDERS	In CPRS 1.0
9198	PROMPT NEEDED FOR REQUESTING LOCATION IN OERR	In CPRS 1.0
9395	ADMISSION & DEATH ALERT	In CPRS 1.0
9517	VERBAL ORDER SIGNATURES	In CPRS 1.0
9520	Clarify daily order summary	Duplicate of 11921
9520	Clarify daily order summary	Duplicate of 11921
9558	DIET OR NPO OR TUBE FEEDING REQUIREMENT	In CPRS 1.0
9567	PREGNANCY PROMPT	In CPRS 1.0
9587	PATIENT FLAGGING	In CPRS 1.0
9619	DC orders for surgery patients	Patched in OR*3*45
9619	DC orders for surgery patients	Patched in OR*3*45
9678	Notifications to users	In CPRS 1.0
9678	Notifications to users	In CPRS 1.0
9679	RENEW ORDERS	In CPRS 1.0
9682	Additional health summary protocols	In CPRS 1.0
9682	Additional health summary protocols	In CPRS 1.0
9773	DAILY SUMMARY REPORT	In CPRS 1.0
9798	DISCHARGE NOTIFICATION	In CPRS 1.0
9978	ALERTS FOR NEW CONSULTS	In CPRS 1.0
9979	Lab quick orders	In CPRS 1.0
9979	Lab quick orders	In CPRS 1.0
10037	VIEW ALERTS GO TO ALL MEMBERS OF ALL TEAMS	In CPRS 1.0
10119	DCing orders after discharge	In CPRS 1.0
10156	ORDER DATE SHOWN ON DC ORDER	In CPRS 1.0
10253	PROPOSE "EDITED BY:" FIELD UNDER DT DISPLAY	In CPRS 1.0
10427	IMMEDIATE LAB COLLECT	In CPRS 1.0
10690	FORMULARY ALTERNATIVES	In CPRS 1.0

Ref. #	Description	Resolution
10700	NAMED PROVIDER NOT DISPLACED BY ELEC. SIGNATORY	In CPRS 1.0
10704	FLAG HOLIDAYS TO USERS SCHEDULING FUTURE ORDERS.	In CPRS 1.0
10716	ADD ORDERS/OERR	In CPRS 1.0
10719	FLAG CHART/SERVICE COPY REPRINTS & DATE/TIME STAMP	In CPRS 1.0
10816	24 HR ORDER VERIFICATION	In CPRS 1.0
10853	Change diet prompt	Duplicate of 11061
10925	NEED ADDED FIELD ON PRINT FORMATS	In CPRS 1.0
10926	Entering vitals, fingersticks in CPRS	Duplicate of 12073
10940	Allergy editing	Duplicate of 12150
10956	UNSIGNED ORDERS	In CPRS 1.0
10957	EDITED PHARMACY ORDERS	In CPRS 1.0
11018	ALERTS	In CPRS 1.0
11118	Complex unit dose orders	Duplicate of 11486
11155	Request RN order entry for scope of practice	Patched in OR*3*7
11163	Case number on the imaging tab	Patched in OR*3*34
11214	Cond. Report	In CPRS 1.0
11340	Auto-resequence in CAC menu edit option	Duplicate of 11982
11350	Team list update w/user deactivation	Duplicate of 11509
11358	Add expiring meds as a search function in GUI	Patched in OR*3*10
11367	Cover sheet enhancement	In CPRS 1.0
11482	Display CWAD title instead of document class	Patched in OR*3*10
11493	All PCMM info to show on header	Patched in OR*3*10
11533	NEED DEATH ALERT IN GUI	In CPRS 1.0
11591	Request O2 sat on cover sheet	Duplicate of 11535
11615	CPRS GUI lacking	Patched in OR*3*10
11619	FileMan search and print	Patched in OR*3*8
11661	Allow 'CT' Change Title within CPRS	In CPRS 1.0
11673	GUI-double click on view alert to process	Patched in OR*3*10
11697	Doctor order form 10-1158 enhancement	In CPRS 1.0
11735	Move orders on wrong patient	disapproved
11742	Report screen	In CPRS 1.0
11766	Hold order needs duration	Duplicate of 12215
11812	Verified meds print initial on MAR	Patched in OR*3*52 & PSJ*5*28
11848	Map inpatient orders to outpatient orders	Duplicate of 11850
11863	Mail/Window print on electronic orders	In CPRS 1.0
11893	Inconsistencies with 'hold' option	Patched in OR*3*27
11947	Remove error-prone mail default	Patched in OR*3*10
11969	GUI patient look-up	Patched in OR*3*10
12085	Add script # to detailed display	Patched in OR*3*34
12151	Ability to set default stop dates in orders	In CPRS 1.0
12182	Need intake and output in CPRS	Duplicate of 11531
12200	Need I&O Tracking	Duplicate of 11531
12213	GUI routing prompt	Patched in OR*3*10
12252	Dom. patient print location while in amb. care	Patched in OR*3*38
12380	Alert for active orders	In CPRS 1.0
12447	Add an indication field to CPRS order entry	Duplicate of 11279
12462	Team list to point to any file	disapproved
12499	DC order printing	Patched in OR*3*54