

RELEASE NOTES FOR CPRS GUI V19 (OR*3*132)

Patch Summary

This patch consists of several bug fixes, some major Surgery package functionality upgrades, Clinical Procedure functionality additions, and other functional enhancements/fixes. Details can be found below.

Installation Notes

```
*****  
*  
* Please note that the conversion for the Alert on Results *  
* change in the Orders file can take several hours to *  
* complete. For this reason it is tasked in the background. *  
*  
* If you journal the ^OR global please note the following: *  
* - monitor your journal space during the install *  
* - consider disabling journaling on the ^OR global for *  
* duration of the installation *  
*  
*****
```

1. Before you can install patch OR_3.0_132, you must install the following patches:
 - OR*3.0*69 (released)
 - OR*3.0*120 (released)
 - OR*3.0*131 (released)
 - OR*3.0*135 (released)
2. Internet Explorer 4 or later is also required. Internet Explorer 5 is recommended, and the note template import/export functionality requires it.
3. A new GUI executable must be used with this patch. It is available in the Salt Lake City CPRS directory. The ZIP file which contains the executable is named:
 - OR_30_132.ZIP

Enhancements

Saving Clinic Default Settings during Patient Selection

In a previous release, a dialog was added which only appeared from the patient selection screen when the user clicked on the “Save Patient List Settings” button, and then only when the default that had been selected was a “Clinic.” The dialog that appeared asked the user whether to save the default clinic for the current day only, or for all days of the week. An additional choice has now been added: “Cancel” which allows the user to cancel saving the default setting.

Orders

- When an order is selected and “Alert when Results...” is chosen from the Action menu, the user is now prompted for Alert Recipient. The alert Recipient is the user who will get the alert when the order is resulted. (If the Alert Recipient has the ORDERER-FLAGGED RESULTS notification/alert enabled.) The default entry for Alert Recipient is the current user. Previous to v19, the alert recipient was always the order’s ordering provider. [This enhancement addresses NOIS calls CPH-0700-42307 and DUR-1001-32175.]
- When an order is selected and “Flag...” is chosen from the Action menu, the user is now prompted for Alert Recipient. The Alert Recipient is the user who will get the alert because the order was flagged for clarification. (If the Alert Recipient has the FLAG ORDER FOR CLARIFICATION notification/alert enabled.) The default entry for Alert Recipient is the current user. [This enhancement addresses NOIS calls WPB-0298-32525 and CIN-0499-41514.]
- **E3R 16998:** Providers have requested that the ACCEPT and QUIT buttons on the lower right of the ordering dialogs be separated. At times, providers accidentally hit the QUIT button instead of ACCEPT. Vertically aligned buttons have been moved as far apart as screen real estate allows. For horizontally aligned buttons, the QUIT button has been made smaller to help give the user a visual cue.
- For complex medication order, in the duration field, the user previously could only assign a number of days. Now the user can click down-arrow to select a duration in Days, Months, Weeks, Hours, or Minutes.

BUG FIXES

Discharge Summary

If a Discharge Summary is saved as UNRELEASED or UNVERIFIED, it will no longer appear on the Review/Sign Changes list for the current session, and the user will not be prompted for a signature that can't yet be applied.

On saving the discharge summary being edited, the status will now be correctly saved as the following, based on whether release and/or verification are required, and the on the user's reply to the prompt that appears.

REQUIRE RELEASE	MAS VERIFICATION REQUIRED	
	YES	NO
YES	User YES: UNVERIFIED	UNSIGNED
	User NO : UNRELEASED	UNRELEASED
NO	UNVERIFIED	UNSIGNED

Notes, Consults, Discharge Summary

- Resizing of TIU edit windows below 74 characters is now prevented to avoid some reported reformatting problems.
- There was a bug in both TIU and CPRS that allowed a TIU document to be stored without a pointer to a valid visit. Patch TIU*1.0*124 (currently in test, and not required) will provide most of the fix for this issue, but there were also some GUI changes required. Those are included here.
- Template bug (**NOIS PUG-0701-51841**) where if the user copies a child template into several sections of the same parent, it is not usable when the user opens and attempts to fill out the template. This has been corrected.
- "Custom View" and "Custom List" were used interchangeably as menu options, on the "View" and popup menus. All of these now read "Custom View" for consistency.
- Continued reports of the Consults Prerequisites screen not behaving correctly on a CANCEL action led to trying a different approach to fixing it. The same fix should apply to selection of a quick order containing an inactive consults service. These problems have so far not been reproducible in a development account, so these fixes are tentative at best.
- In several actions related to consults, a treeview of the service hierarchy is built to accompany a combo box containing the services and any synonyms. There was a bug in the treeview code that most likely had an impact on the time required to build the tree and open the related form. This bug has been corrected, but the degree of improvement will not be known until tested in actual use. (**NOIS MAR-0402-20887**)

Cover Sheet

- For patients admitted to a domiciliary, both inpatient and outpatient meds will now be shown on the cover sheet and appropriately identified.
- When clicking on a cancelled appointment which had notes attached, the text of those notes failed to display. This has been corrected.

Meds

- For BCMA v2.0 test sites, selecting Medication Administration History resulted in a server error. This has been corrected.
- If a user placed an IV order, and a pharmacist edited the order's schedule through the back door, the changed schedule did not display in the order text on Meds tab. This has been corrected.

Orders/ Meds Tabs

- Previously the CPRS GUI did not use the location level setting for the parameter ORWDPS ROUTING DEFAULT. Now for Outpatient Medication orders, if a default location level Route has been set, it will be retrieved instead of system level Route setting.
- **NOIS CLE-0302-41265**
For Quick Orders, if an orderable item had a default schedule tied to it, the schedule will be filled into the QO order dialog Schedule field.
- **NOIS-0102-41805**
Add scroll bar back to provider comment box in PS MEDS dialog
- **NOIS-0302-20833**
The arrow key worked in correct order in PS MEDS dialog.
- **NOIS-0302-20836**
The cursor does not appear in IV ordering dialog as expected. It's been addressed
- **NOIS-0302-51009**
The outpatient pharmacy quick order quantities appear to be limited to 9,999. This has been addressed. Now, the quantity limit is 32766.
- **NOIS WRJ-0202-11131, BUT-0202-21691**
A bug in the quick order functionality resulted in sporadic "list index out of bounds" error. This problem has been fixed.
- **NOIS DAY-0102-40752, LOM-0202-62565**
If a user created a quick order without any orderable item tied to it and placed the quick order through the CPRS GUI, they might receive the mumps error "The variable OI is undefined." This has been corrected.
- **NOIS CLE-0102-41202**
In medication order dialog, the med route window was too narrow to display the default INTRAMUSCULAR/INTRAVENOUS for an orderable item; only INTRAMUSCULAR would display in the med route window. This has been corrected.

Consults

- It was possible to store consults service and urgency values of "0" when forwarding a consult or procedure. This has been corrected.
- New icons have been added to differentiate between interfacility and local consult/procedure requests.
- The Icon Legend screen for the Consults tab has been changed to refer to "Documents" rather than "Notes".
- For each of the screens where a treeview/combo box combination is provided for service selection, there was a bug where selecting a service from the treeview which contained a trailing space would fail to find the matching service in the combo box. This has been corrected.
- When ordering consults, quick orders were selectable from the combo box, but not from the treeview. This has been corrected.
- Fixed problem where canceling from Prerequisites display screen did not terminate ordering process.
- Fixed problem where an existing quick order with a now inactive service displayed message, but allowed ordering to proceed, with no service selected.
- **NOIS HEH-0102-40939, ASH-0102-32387, BIL-0102-33082**
Fixed problem where canceling from Prerequisites display screen did not terminate ordering process.
- **NOIS V02-0202-N0527**
Fixed problem where existing quick order with now inactive service displayed message, but allowed ordering to proceed, with no service selected.

Surgery Tab

Listed below are changes to the GUI code ONLY. Many other changes affecting the GUI are included in the associated Surgery and TIU patches, described elsewhere.

- When processing a notification and signing the document, the label above the treeview was not refreshing correctly following the signature. This has been corrected.
- When clicking on the case in the treeview, the OpTop display is now followed by the text of the Operative Summary.
- In some cases, the wrong icon was appearing in the treeview for an addendum. This has been corrected.
- The Surgery tab has been added to the list of selectable initial tabs under user preferences, but only if the Surgery tab is present.
- The package-level value for parameter ORWOR SHOW SURGERY TAB is now exported as YES, provided that Surgery patch SR*3.0*100 is detected.
- Corrected a problem where clicking on the CHANGE button while editing a report produced a <NULL SUBSCRIPT> error on the server.

Clinical Procedures

- When completing a Clinical Procedures class document that is in the undictated status, any templates attached to that title were failing to execute. This has been corrected.
- When signing a Clinical Procedures class document, an extraneous message related to "possible missing text" often appeared. This has been corrected.
- The "Date/Time Performed" calendar control now requires entry of a time in addition to the date.

Reports Tab

- **GCPR Changes**

In the list of remote sites, that is presented when the 'Remote Data' button is pressed, the DoD site has been changed from Dod to Dept. of Defense.

At the present time only 7 of all the reports on the Reports tab are capable of retrieving DoD data. To help the user know which reports these are, a new item has been added to the list of reports in the treeview, on the left side of the screen, called 'Dept. of Defense Reports'. This item is arranged in the following manner:

```
Department of Defense Reports
  Laboratory
    Lab Orders
    Chem & Hematology
    Surgical Pathology
    Cytology
    Microbiology
  Pharmacy All Outpatient
  Radiology Report
```

The 'Dept. of Defense Reports' [ORRPW DOD] item will be added to the package level parameter ORWRP REPORT LIST during the install of this patch. It will be left up to each site that may be using GCPR to add this report to individual users or to the SYSTEM level of the ORWRP REPORT LIST parameter.

Here is the sequence of where this report will be installed at the Package level:

Sequence	Value
-----	-----
2	ORRPW REPORT CATEGORIES
5	ORRP HEALTH SUMMARY
8	ORRPW DOD
10	ORRP IMAGING
15	ORRP LAB STATUS
20	ORRP BLOOD BANK
25	ORRP AP MENU
30	ORRP DIETETICS PROFILE
35	ORRP NUTRITIONAL ASSESS
40	ORRP VITALS CUM
45	ORRP PROCEDURES
50	ORRP DAILY ORDER SUMMARY
55	ORRP ORDER SUM FOR A DATE RNG
60	ORRP CHART COPY SUMMARY
65	ORRP OUTPATIENT RX PROFILE
70	ORRP BCMA MED LOG
75	ORRP BCMA MAH
80	ORRP SURGERIES

- **NOIS: MOU-0102-30322, NHM-1201-10084**

A new field called MAXIMUM DAYS BACK was added to the OE/RR REPORTS (101.24) file in a previous patch to restrict report queries to a set number of days because some reports may take a very long time to build if the date range is too large, and more critically may require a large amount of disk storage to build some reports like the BCMA Med History Report. In the previous patch, this new field was being used only when the report was initially built upon selection. It was still possible for a user to select another date range, on the fly, that ignored the MAXIMUM DAYS BACK parameter. This has been corrected in two ways. First, the user will no longer be able to select a date range beyond the value stored in the MAXIMUM DAYS BACK field. Second, if a remote query is invoked, the value at the remote site for MAXIMUM DAYS BACK will be used regardless of the date range passed in from the remote query.

- **NOIS: V01-1101-N1872**

The 'Active Outpatient Medications' report in 'Clinical Reports' on the Reports tab has the columns '[+]' and 'SIG' switched in the display. This patch corrects the problem.

- **NOIS: ANN-0202-41190**

When printing Outpatient pharmacy reports from the Clinical Reports menu, much of the information in the grid is left off the report. This has been corrected by limiting the number of fields printed on the report. The 2 reports affected are 'Active Outpatient' [ORRPW PHARMACY ACT OUT] and 'All Outpatient' [ORRPW PHARMACY ALL OUT]. The fields printed will now be:

Facility	Drug	RX #	Qty	Rem	SIG
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- **NOIS: ATG-0202-32015**
When creating a test group of labs in the worksheet, it is very unclear to the user that only 7 labs are allowed in a test group. The "New" button is grayed out and is not selectable until the group is below the allowable 7. To fix this, an instruction box has been added to the window.
- **NOIS: WRJ-1001-10218**
When selecting a date range value in a component in Clinical Reports, and then selecting another component, the data range is not "sticking" (instead it defaults back to a stored 'initial date range' parameter for the selected report. This nuance was introduced with v16 of the GUI when WebTop functionality was integrated into CPRS, but has proven to be counter-intuitive to the user, leading to confusion on what date range is being used when selecting different reports. This patch changes the functionality of date range selection to be more consistent with prior versions of CPRS. The initial date range for a report (where applicable) will be the 'stored' date range parameter for the reports. (Users can get to these parameters from the TOOLS menu in CPRS.) If a user selects a different date range, from the Date Range selection box, the new date range will be used for any subsequent reports selected, until another date range is selected.
- **NOIS STC-0102-43218**
For the Imaging (local only) report, the Time/Occurrence will be determined by the parameter ORWRP TIME/OCC LIMIT INDV. If that parameter is not set for this report, it will be determined by the parameter ORWRP TIME/OCC LIMIT ALL. If these two parameters don't have any value for Imaging (local only), then the value of ORCH CONTEXT REPORT will set the limit.

- **NOIS: HAM-0202-22145**
When try to reprint a work copy for a pharmacy order that has a parent/child relationship nothing prints. This problem was introduced with the implementation of complex ordering in Inpatient Meds, as part of the POE project. This patch will allow a work copy reprint of the subcomponents of the order (children). The parent cannot be reprinted, because it is hidden from view when the order is released/signed.
- **NOIS: LEX-0102-41973, SHE-0302-50252, WRJ-0202-11149, BHH-1001-42095, SPO-1101-51218, TAM-0800-30198, OKL-0801-70209, JAC-0801-72936**
The above referenced NOIS refer to an error occurring in the GUI when trying to access lab data on the Lab tab, using the 'Most Recent...' report option. Under certain circumstances an error occurs with the following message 'Not a valid floating point'. This usually occurs when a CH & MI subscribed test shares the same collection date/time and has been entered as a 'Not performed' test. This patch should fix this problem.

Allergy Entry

When a user entered a search term that was a synonym, and a matching entry was found in the VA ALLERGIES file, the text returned in the treeview included the synonym in angle brackets, as in "Penicillin <PCN>". When the order was accepted, this same text was passed to the ART package. Since the concatenated synonym prevented location of a matching entry, the allergy was stored as free text, and not linked to other related files. This issue prevented order checks from occurring in some cases, and has now been corrected.