



An Electronic Medical Record and Document Management Company

VXCPRS v1.27.xx – v1.28.xx

OPEN SOURCE RELEASE NOTES

September 2013

Revision History

| Date | Version Name | Notes |
|-------------|----------------------|--|
| 3/11/2010 | v1.27.83.7.9 | Corrected printing of Provider, Provider NPI, Provider DEA# and ordering location address Added the code for the vxDocMan integration back into the DSS The NewCrop Formulary Check will now appear as a "FORMULARY CHECK" entry in the "Write Orders" panel on the "Orders" tab |
| 9/01/2011 | v1.27.83.8 | Modified the Patient Selection Options to properly display date range selector |
| 2/10/2011 | v1.27.83.10 | Encrypt Broker history for transmission |
| 4/6/2011 | v1.27.83.11 | The VistA Web and Remote Data buttons have been made invisible. Added a display of Preferred Language to vxCPRS in the location of the VistA Web and Remote Data buttons Removed the patient insurance check in vxCPRS Added a No Known Medication Health Factor to vxVistA and check for its existence when displaying Active Medications on the cover sheet Added a No Known Medication Health Factor to vxVistA and check for its existence when displaying Active Medications on the cover sheet Merged the Lab Ordering and Reprinting code from vxCPRS 1.25.42.61 with this version of vxCPRS. Added a Resolved field to the Problems file and modified vxCPRS to properly display Resolved problems |
| 4/13/2011 | v1.27.83.12 | Corrected all known issues with Resolved problems Modified the data that is entered in the display box to the correct format so that the list index out of bounds error does not occur. Modified the code to ensure that the correct ListBoxes are updated with No Known Problems and No Known Medications |
| 4/17/2011 | v1.27.83.12.1 | Corrected Spelling issues vxCPRS modified to be able to display a generated CCD/CCR. Modified the code to search on the PC's search path and changed the dll name to the vx version |
| 4/20/2011 | v1.27.83.14 | Added "Active" to the list of statuses of immunizations to be administered. Fixed Immunization administration form Fixed immunization list selection validation |
| 4/20/2011 | v1.27.83.15 | Resolved problem when a medication is ordered and signed in vxCPRS v1.27.83.11 or later the medications are automatically updated on the coversheet in the Allergy List box.. Added a SNOMED tab to the Encounter form Modified the Lexicon Lookup dialog to also look-up SNOMED-CT codes |
| 4/21/2011 | v1.27.83.16 | Added an error dialog explaining that the immunization selected does not have a records in VFD IMMUNIZATION "@ " no longer displayed in fields Immunization administration form fields Widened the Immunization Administration form and the fields with it. Fixed Immunization Administration form not clearing the immunization lot fields |

vxCPRS Version 1.27.xx-1.28.xx OPEN SOURCE RELEASE NOTES

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| 4/24/2011 | v1.27.83.17 | Added the ability to capture, display and edit SNOMED-CT |
| 4/25/2011 | v1.27.83.18 | Added an Item Click action on the Immunization List Box on the cover sheet |
| 4/28/2011 | v1.27.83.19 | Fixed the RPC used to return the Immunization Details on the cover sheet is in a proprietary name space Fixed issue when filing SNOMED codes from the encounter sheet fails for inpatient encounters |
| 4/30/2011 | v1.27.83.20 | The vxVistA version now displays on the Help About |
| 7/29/2011 | v1.27.83.21 | Modified vxCPRS to make the Immunization menu item invisible. Modified vxCPRS to not encrypt the broker history file Visibility of the SNOMED tab can be controlled via parameter |
| 9/16/2011 | v1.27.83.22 | Modified the code to clear the memo box when a new note is selected from the list view |
| 9/21/2011 | v1.27.83.23.1 | Modified the code to clear the viewing window at time data is retrieved from vxVistA instead of when data retrieval is requested |
| 9/30/2011 | v1.27.83.23.2 | Corrected the code to from ERHDoctors to remove the access violation |
| 10/19/2011 | v1.27.83.23.3 | If no text is returned from the CNT then vxCPRS will no longer add the "error" text Removed VA reference from Splash screen Replaced Non "VA Meds" with "Meds/OTC" Modified the Encounter code to completely respect the Display SNOMED parameter Changed the DSIC RPC to a VFDC RPC. |
| 10/25/2011 | v1.27.83.23.4 | Modified the Reactant Not Found dialog to remove the opportunity to request the reactant to be added Removed the TTU References from default lab sheet Modified the code so that only the Quest Lab Request Sheet will print Removed the PCS-HOLD from the Quest Lab Sheet Replaced the test code with the internal Lab Order Number Removed the Non-VA reference from OTC/Meds dialog title Corrected spelling error on the OTC Meds from Elsewhere order dialog |
| 10/26/2011 | v1.27.83.23.5 | Corrected spelling error on the OTC Meds from Elsewhere order dialog Added 'LB# ' before the Lab Order Number. Corrected the default to the Quest Lab Request sheet for print preview. Remove PCS Hold printing on the Quest Lab sheet |
| 11/8/2011 | v1.27.83.23.6 | Added the City to the patient select demographic display Fixed the labels for Address, City, and State not appearing on the Patient Select Screen Modified the Lab Requisition to sort the printout by collection date time as well as other current sorting criteria Modified the Lab to remove most of the insurance and payor fields Modified the Lab Requisition to print the sample type. |
| 1/12/2012 | v1.27.83.23.7 | Added Labels and space for 'Specimen Collection Date' and 'Time'. Moved and renamed the output of the requested collection date and time to 'Requested Start Date' and 'Time' Cleaned up the alignment issues and removed the empty box on Lab Requisition form |

vxCPRS Version 1.27.xx-1.28.xx OPEN SOURCE RELEASE NOTES

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| | | Changed the patient lookup so that the index value that triggered the return is always displayed in the first column. This will result in the Alias to be displayed in the first column and the actual patient name to be displayed in the second column. |
| 1/12/2012 | v1.27.83.27.1 | Code changed in the rreports.pas to request the patient.MRN instead of the patient.SSN. Created an 'Add' button in the Quick order form and, when pressed, this button conducts the validation of the quick order name to the names already listed Fixed issue that during the select patient process, if clinic is chosen as the filter, the list box is continuously populated with a continuous loop of the clinics Fixed issue that resolve is missing from the Rt click menu for problems VA reference removed from both the graph list, the settings popup associated, and the graph profiles input Instances of VA# in error messages were removed for a user without a DEA# |
| 1/22/2013 | v1.28.24.1 | Update vxCPRS to version 28 available from the VA |
| 1/30/2013 | v1.28.24.2 | Code added to alter the font size and spacing of the 'Preferred Language' title and field on the cover sheet. Code was added to look for and strip the VA reference from 2 known categories of causative agents Allows vxCPRS to import the SNOMED codes from the stored note for display purposes Fixed PCE encounter drawer suppression is not functioning |
| 2/19/2013 | v1.28.24.3 | Updated RPC property in ORNET.PAS library file |
| 2/26/2013 | v1.28.24.4 | Fixed vxCPRS not completing the connection to the backend vxVista server |
| 4/29/2013 | v1.28.24.5 | Fixed the continuous scroll on the list of providers Components resized to accommodate scroll bar |
| 6/24/2013 | v1.28.24.6 | Fixed the error in the Vitals pane on the coversheet The 'Redo' menu options is disabled when 'Edit' is clicked from the Patient Coversheet The 'Remove' option was changed to not import and resave the original comment in problem list |

vxCPRS v1.27.83.7.9

| Category | Visual and Non-Visual |
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| Problem Description | The Provider, Provider NPI, Provider DEA# and ordering location address do not print properly on the Free Text Prescriptions |
| Resolution | Corrected the printing so that the preceding values print correctly. Note that this modification does not address any issues with associate providers that are required by PA, etc |
| Date Implemented | 03-05-2010 |
| QA Notes | |

| Category | |
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| Problem Description | The VOS version of vxCPRS does not support the vxDocMan integration that will be required by all customers using the proprietary version of vxDocman |
| Resolution | Added the code for the vxDocMan integration back into the DSS Enhanced version of vxCPRS. To implement vxDocMan in a VOS system please see the vxDocMan documentation and the vxCPRS 1.25.42.* documentation with reference to setting up vxCPRS to use vxDocMan |
| Date Implemented | 03-08-2010 |
| QA Notes | |

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| Category | Visual and Non-Visual. |
| Problem Description | Due to a potential overlap between the upgrading of TTU to a VOS equivalent vxVistA system and the date that TTU will stop using the NewCrop Formulary Check, the New Crop formulary Check will need to be reintroduced into a DSS Enhanced version of vxCPRS. |
| Resolution | The NewCrop Formulary Check is only one of many instances where non-native vxCPRS dialog will need to be launched from the "Write Orders" panel on the "Orders" tab of vxCPRS, e-Pharmacy is another. Additionally, most of these non-native vxCPRS dialogs will execute DSS proprietary code that is not part of the Open Source stream. Therefore a mechanism needed to be created to allow for this so that a single development stream of vxCPRS 1.27.83.* can be maintained. This is the initial version of this mechanism, which will be refined in future releases of vxCPRS. The NewCrop Formulary Check will now appear as a "FORMULARY CHECK" entry in the "Write Orders" panel on the "Orders" tab. Clicking on "FORMULARY CHECK" will invoke routines in the NewCropFormularyCheck.dll that must be in the same directory as vxCPRS or in the search path for DLL on the system executing vxCPRS. Currently the "FORMULARY CHECK" entry is hard coded in vxCPRS and it obeys the same rules as the Formulary Check button in vxCPRS 1.25.42.*. A future release of vxCPRS will remove the hard coding of this value. Dependant on a modification to the backend vxVistA system other non-native vxCPRS Ordering dialogs which use external DLLS should work with this version of vxCPRS. A coding standards document for this hook needs to be developed. |
| Date Implemented | 03-11-2010 |
| QA Notes | |

vxCPRS v1.27.83.8

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| Category | Visual and Non-Visual. |
| Problem Description | On the patient selection dialog when the user selects the Clinic filter the date range is not displaying properly. |
| Resolution | Modified the Patient Selection Options to properly display date range selector. Note that correcting this issue required resizing the Patient Selection dialog box: therefore the frmPtSel and frmPtSel.sptVert (capitalization is significant) instances of the ORWCH BOUNDS parameter must be deleted for all users. |
| Date Implemented | 09-01-2010. |
| QA Notes | |

vxCPRS v1.27.83.10

| Category | Visual and Non-Visual. |
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| Problem Description | Encrypt Broker history for transmission |
| Resolution | On the Broker List when the user selects the Save File, file is now encrypted. To view the un-encrypted file, a new stand-alone vxBrokerViewer.exe application was added. |
| Date Implemented | 02-10-2011. |
| QA Notes | |

vxCPRS v1.27.83.11

| Category | Visual and Non-Visual. |
|----------------------------|--|
| Problem Description | vxVistA cannot connect to either VistA web and remote VA VistA systems the VistA Web and Remote Data buttons in vxCPRS are superfluous and should be removed. |
| Resolution | The VistA Web and Remote Data buttons have been made invisible. This accomplishes the desired goal while making the upgrades to future versions of CPRS (e.g. a vxCPRS based on CPRS 1.0.28.*) easier. |
| Date Implemented | 03-31-2011 |
| QA Notes | |

| Category | Visual and Non-Visual. |
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| Problem Description | While vxVistA now supports Preferred Language the Preferred Language is not displayed in vxCPRS. |
| Resolution | Added a display of Preferred Language to vxCPRS in the location of the VistA Web and Remote Data buttons that were removed above. Modified the resizing of the panels on the bar so that preferred language will properly display. |
| Date Implemented | 04-04-2011 |
| QA Notes | |

| Category | Visual and Non-Visual. |
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| Problem Description | In CPRS 1.0.27.83 even if CIDC is enabled the user is not prompted to associate a diagnosis with an order if the patient does not have a recorded insurance entry; vxVistA is not populating these fields by default however the CIDC data still needs to be obtained. |
| Resolution | Removed the patient insurance check in vxCPRS. |
| Date Implemented | 03-21-2011 |
| QA Notes | |

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| Category | Visual and Non-Visual. |
| Problem Description | vxCPRS and vxVistA does not currently distinguish between No Known Medications and No Active Medications on Record. ARRA Meaningful Use requires these two states. |
| Resolution | Added a No Known Medication Health Factor to vxVistA and check for its existence when displaying Active Medications on the cover sheet. If the Health factor has been assigned and no active medications are found then the text in the Active Medications List box reads "No Known Medications" otherwise the default text is displayed. Currently this health factor can only be assigned from a PCE Encounter Form however a future release of vxCPRS will allow this health factor to be assigned from the cover sheet. Note that the current functionality will only work in an In Patient environment as Free Text Prescriptions are not properly handled in the determination of Active Medications; this will have to be reviewed before Out Patient ARRA Meaningful Use Certification. |
| Date Implemented | 04-07-2011 |
| QA Notes | |

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| Category | Visual and Non-Visual. |
| Problem Description | vxCPRS and vxVistA does not currently distinguish between No Known Problems and No Problems on Record. ARRA Meaningful Use requires these two states. |
| Resolution | Added a No Known Problem Health Factor to vxVistA and check for its existence when displaying Active Medications on the cover sheet. If the Health factor has been assigned and no problems are found then the text in the Problems List box reads "No Known Problems" otherwise the default text is displayed. Currently this health factor can only be assigned from a PCE Encounter Form however a future release of vxCPRS will allow this health factor to be assigned from the cover sheet. Note that the current functionality will only work in an In Patient environment as Free Text Prescriptions are not properly handled in the determination of Active Medications; this will have to be reviewed before Out Patient ARRA Meaningful Use Certification. |
| Date Implemented | 04-07-2011 |
| QA Notes | |

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| Category | Visual and Non-Visual. |
| Problem Description | vxCPRS 1.27.83.* was not updated to the same level as vxCPRS 1.25.42.61 with regard to the lab ordering and reprinting process. In order to fulfill both the ARRA Meaningful Use requirements and the UBHC Quest Interface requirements these updates must be ported to the current version of vxCPRS 1.27.83.* |
| Resolution | Merged the Lab Ordering and Reprinting code from vxCPRS 1.25.42.61 with this version of vxCPRS. |
| Date Implemented | 03-03-2011 |
| QA Notes | |

| Category | Visual and Non-Visual. |
|----------------------------|--|
| Problem Description | ARRA Meaningful Use requires a Resolved status as well as an inactive status for Problems. Currently vxVistA and vxCPRS does not support a Resolved status. |
| Resolution | Added a Resolved field to the Problems file and modified vxCPRS to properly display Resolved problems. Modified the filtering in vxCPRS to display only Resolved problems. Finally, when a problem is marked as Resolved it is also inactivated. |
| Date Implemented | 04-06-2011 |
| QA Notes | |

vxCPRS v1.27.83.12

| Category | Visual and Non-Visual. |
|----------------------------|--|
| Problem Description | Resolved Problem status not displaying, filtering, and recording properly. |
| Resolution | Development did not include all required fixes in the previous release. Corrected all known issues with Resolved problems. |
| Date Implemented | 04-13-2011 |
| QA Notes | |

| Category | Visual and Non-Visual. |
|----------------------------|---|
| Problem Description | If a user clicks on either No Known Problems in the cover sheet problems display or No Known Medications in the Medication display a list index out of bounds error is generated. |
| Resolution | Modified the data that is entered in the display box to the correct format so that the list index out of bounds error does not occur. |
| Date Implemented | 04-13-2011 |
| QA Notes | |

| Category | Visual and Non-Visual. |
|----------------------------|---|
| Problem Description | On the cover sheet if the Medication list box is not in the upper left hand corner of the display and/or the Problems List Box is not the left most position of the second row then setting the respective HF would clear the wrong list boxes. |
| Resolution | Modified the code to ensure that the correct ListBoxes are updated with No Known Problems and No Known Medications. |
| Date Implemented | 04-13-2011 |
| QA Notes | |

vxCPRS v1.27.83.12.1

| Category | Visual and Non-Visual. |
|----------------------------|--|
| Problem Description | No Know Medications displaying as No Known Problems. |
| Resolution | Corrected Spelling issues. |
| Date Implemented | 04-15-2011 |
| QA Notes | |

| Category | Visual and Non-Visual. |
|----------------------------|--|
| Problem Description | vxCPRS needs to be able to display a generated CCD/CCR. |
| Resolution | Modified Merged the CPRS 1.0.26.68 code provided by EHRDoctors with vxCPRS 1.27.83.* code. |
| Date Implemented | 04-15-2011 |
| QA Notes | |

| Category | Visual and Non-Visual. |
|----------------------------|---|
| Problem Description | On the encounter form if a user clicks the Vitals tab an error is generated stating that the vitals dll can not be found. |
| Resolution | Modified the code to search on the PC's search path and changed the dll name to the vx version. |
| Date Implemented | 04-17-2011 |
| QA Notes | |

vxCPRS v1.27.83.14

| Category | Visual and Non-Visual. |
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| Problem Description | vxCPRS needs to be able to record an immunization administration for an Inpatient medication. |
| Resolution | Added "Active" to the list of statuses of immunizations to be administered. Note that development could not test this due to backend Pharmacy activity which must occur to bring an immunization order to be administered. |
| Date Implemented | 04-20-2011 |
| QA Notes | |

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| Category | Visual and Non-Visual. |
| Problem Description | Immunization administration form showed when there were no active immunization orders. |
| Resolution | Development found one situation where this could occur, so that situation was plugged |
| Date Implemented | 04-20-2011 |
| QA Notes | |

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| Category | Visual and Non-Visual. |
| Problem Description | Immunization list selection validation contained improper "reprinted" text |
| Resolution | Fixed the 2 situations where this could occur. |
| Date Implemented | 04-20-2011 |
| QA Notes | |

vxCPRS v1.27.83.15

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| Category | Visual and Non-Visual. |
| Problem Description | When a medication is ordered and signed in vxCPRS v1.27.83.11 or later the medications are automatically updated on the coversheet in the Allergy List box.. |
| Resolution | When cloning the pop-up menu code for the Allergy Pop-up menu for both the No Know Medications pop-up menu and the No Known Problems pop-up menu a global variable was accidentally set to cause the refresh of active medications instead of the intended allergies. The code was modified to not reset this global variable and the behavior of vxCPRS returned to standard CPRS with respect to automatically updating the Active Medication List box on the coversheet when orders are signed, i.e. the active medications are not updated ntil a patient refresh is manually preformed. |
| Date Implemented | 04-20-2011 |
| QA Notes | |

| Category | Visual and Non-Visual. |
|----------------------------|---|
| Problem Description | vxCPRS vxCPRS needs to have a mechanism to enter SNOMED-CT codes in the patient record. |
| Resolution | Added a SNOMED tab to the Encounter form. This tab is primarily a place holder at this time as data entered is neither saved nor retrived |
| Date Implemented | 04-20-2011 |
| QA Notes | |

| Category | Visual and Non-Visual. |
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| Problem Description | A lexicon lookup must be provided for SNOMED-CT codes. |
| Resolution | Modified the Lexicon Lookup dialog to also look-up SNOMED-CT codes.. |
| Date Implemented | 04-19-2011 |
| QA Notes | |

vxCPRS v1.27.83.16

| Category | Visual and Non-Visual. |
|----------------------------|---|
| Problem Description | During Immunization Administration, when no record exists in VFD IMMUNIZATIONS, the display is quirky and allows the user to continue. |
| Resolution | Added an error dialog explaining that the immunization selected does not have a records in VFD IMMUNIZATION, and to either fix that or select a different immunization. The user is also then halted from continuing with that selection. |
| Date Implemented | 04-21-2011 |
| QA Notes | |

| Category | Visual and Non-Visual. |
|----------------------------|---|
| Problem Description | "@" display in fields Immunization administration form fields is awkward. |
| Resolution | UI now leaves the fields as empty strings if they are returned from Mumps empty or non-existent |
| Date Implemented | 04-21-2011 |
| QA Notes | |

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| Category | Visual and Non-Visual. |
| Problem Description | Immunization Administration form was not wide enough to display some of the orderable immunizations text |
| Resolution | Widened the form and the fields with it. |
| Date Implemented | 04-21-2011 |
| QA Notes | |

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| Category | Visual and Non-Visual. |
| Problem Description | Immunization Administration form was not clearing the immunization lot fields (from VFD IMMUNIZATIONS) between immunizations selected. |
| Resolution | Allow the user to select an immunization, which clears the rest of the fields and resets the available lots to select from or shows the error message from above if there are no matching records in VFD IMMUNIZATIONS file. Once one administration is saved, if there are others in the top dropdown, then the system asks if you want to administer another. If yes, then it removes the just-saved administration and clears the rest of the form. This allows multiple administrations without needing to go back to the Orders tab, and even removes the need to multi-select from the Orders tab. This is important because the system does not currently point to the selected immunization from the Orders tab as desired. |
| Date Implemented | 04-21-2011 |
| QA Notes | |

vxCPRS 1.27.83.17

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| Category | Visual and Non-Visual. |
| Problem Description | For several sections of the ARRA Meaningful Use Certification SNOMED-CT codes need to be captured for Patient Encounters |
| Resolution | Added the ability to capture, display and edit SNOMED-CT codes as a new tab on the PCE Encounter form. Note that currently only SNOMED-CT codes are captured with no ability to attach a provider comment to the SNOMED-CT code on a per patient basis. Also note that only patients that exist in file 90000001 can have encounter data entered. |
| Date Implemented | 04-24-2011 |
| QA Notes | |

vxCPRS v1.27.83.18

| Category | Visual and Non-Visual. |
|----------------------------|--|
| Problem Description | ARRA Meaningful Use requires the display of Immunization administration data. |
| Resolution | Added an Item Click action on the Immunization List Box on the cover sheet which will display a detail of the selected Immunization. |
| Date Implemented | 04-25-2011 |
| QA Notes | |

vxCPRS v1.27.83.19

| Category | Visual and Non-Visual. |
|----------------------------|--|
| Problem Description | The RPC used to return the Immunization Details on the cover sheet is in a proprietary name space which will cause an issue when releasing to Open Source. |
| Resolution | Replaced the called RPC with a new RPC which is in the Open Source name space, e.g. VFD |
| Date Implemented | 04-28-2011 |
| QA Notes | |

| Category | Visual and Non-Visual. |
|----------------------------|---|
| Problem Description | Filing SNOMED codes from the encounter sheet fails for inpatient encounters. |
| Resolution | Replaced the DSIC GET VISITS ONLY RPC with the DSIC GET VISITS/APPOINTMENT RPC which properly returns the inpatient encounter visit thus allowing the proper filing of SNOMED data. |
| Date Implemented | 04-28-2011 |
| QA Notes | |

vxCPRS v1.27.83.20

| Category | Visual and Non-Visual. |
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| Problem Description | The vxVistA Version needs to display within vxCPRS. |
| Resolution | The vxVistA version now displays on the Help About box (see screen capture below). |
| Date Implemented | 04-30-2011 |
| QA Notes | |

vxCPRS v1.27.83.21

| Category | Visual and Non-Visual. |
|----------------------------|---|
| Problem Description | As part of the ARRA MU modifications an immunization package was added to vxCPRS. DSS is not ready to release this to our existing customers. |
| Resolution | Modified vxCPRS to make the Immunization menu item invisible. |
| Date Implemented | 07-29-2011 |
| QA Notes | |

| Category | Visual and Non-Visual. |
|----------------------------|---|
| Problem Description | As part of the ARRA MU modifications when the broker history was saved to a file this file was encrypted. DSS is not ready to release this to our existing customers. |
| Resolution | Modified vxCPRS to not encrypt the file. The encryption code is still latent in the code base. |
| Date Implemented | 07-29-2011 |
| QA Notes | |

| Category | Visual and Non-Visual. |
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| Problem Description | As part of the ARRA MU modifications a SNOMED tab was added to the Encounter Sheet for PCE data entry. DSS is not ready to release this to our existing customers; however it is also beleieved that not all customers will want this feature. Therefore it is desirable that the visibility of this tab be controlled via parameter. |
| Resolution | Modified vxCPRS to control the display of the SNOMED tab via the vxVistA VFD LEX SNOMED VISIBLE kernel parameter. By default the SNOMED tab is invisible. This is the only modification to vxCPRS that requires the VFD VXVISTA UPDATE 2011.1.1 T3 release as this is the release that exports the parameter definition. |
| Date Implemented | 07-29-2011 |
| QA Notes | |

vxCPRS v1.27.83.22

| Category | Visual and Non-Visual. |
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| Problem Description | When accessing TIU Notes from the sortable list view on the Notes tab in vxCPRS the memo box that displays the note is not clearing properly between selections resulting in each additionally selected note to be appended to the bottom of the memo box. This behavior was introduced when the code provided by EHRDoctors for viewing CCRs and CCDs was incorporated into vxCPRS v1.27.83.13. The original CPRS code did not clear the memo when the note was selected from the list view, however it is cleared when the note is selected from the tree view. Both paths through the code ultimately called the same routine which loaded the note and it was this routine that was modified to display the data differently for CCR and CCD notes as compared to standard TIU notes. This modification assumed that the memo was cleared prior to being called, in the VA version of CPRS it did not matter that the memo was not cleared as the memo would ultimately be overwritten; this will not happen in the modified code. |
| Resolution | Modified the code to clear the memo when a new note is selected from the list view |
| Date Implemented | 09-16-2011 |
| QA Notes | |

vxCPRS v1.27.83.23.1

| Category | Visual and Non-Visual. |
|----------------------------|--|
| Problem Description | Adding additional signer will cause the note contents to be duplicated in the note viewing window. This is only in the viewing window and a patient refresh clears this issue. |
| Resolution | Modified the code to clear the viewing window at time data is retrieved from vxVistA instead of when data retrieval is requested. |
| Date Implemented | 09-21-2011 |
| QA Notes | |

vxCPRS v1.27.83.23.2

| Category | Visual and Non-Visual. |
|----------------------------|--|
| Problem Description | An access violation occurs when attempting to print multiple progress notes. |
| Resolution | Corrected the code to from ERHDoctors to remove the access violation. |
| Date Implemented | 09-30-2011 |
| QA Notes | |

vxCPRS v1.27.83.23.3

| Category | Visual and Non-Visual. |
|----------------------------|---|
| Problem Description | When a CNT is exited without creating any text vxCPRS places a "-1^Lookup Error" line in the Progress Note that launched the CNT. |
| Resolution | If no text is returned from the CNT then vxCPRS will no longer add the offending text. |
| Date Implemented | 10-19-2011 |
| QA Notes | |

| Category | Visual and Non-Visual. |
|----------------------------|---|
| Problem Description | The following line appears in both the splash screen and the help/about: "Unauthorized access or misuse of this system and/or its data is a federal crime. Use of all data shall be in accordance with all VA policy on security and privacy." Which contains a VA reference. |
| Resolution | Replaces VA with applicable |
| Date Implemented | 10-19-2011 |
| QA Notes | |

| Category | Visual and Non-Visual |
|----------------------------|---|
| Problem Description | On the MEDS tab Non-VA is displaying on the Meds/OTC from elsewhere individual drug entries |
| Resolution | Replaces Non-VA with Meds/OTC from elsewhere |
| Date Implemented | 10-19-2011 |
| QA Notes | |

| Category | Visual and Non-Visual. |
|----------------------------|--|
| Problem Description | Even when the display SNOMED parameter is set to no the current version of vxCPRS requires that a series of DSIC RPCS are registered to the vxCPRS Menu option. If these RPCS are not registered then vxCPRS errors. However these RPCs should only be registered in Supported Accounts. |
| Resolution | Modified the Encounter code to completely respect the Display SNOMED parameter. |
| Date Implemented | 10-19-2011 |
| QA Notes | |

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|----------------------------|---|
| | |
| Category | Visual and Non-Visual. |
| Problem Description | When converting from vxCPRS 1.25.42.* to 1.27.83.* all DSIC RPCs needed to be replaced with VFDC RPCs. One DSIC RPC in Lab Printing was missed. |
| Resolution | Changed the DSIC RPC to a VFDC RPC. |
| Date Implemented | 10-19-2011 |
| QA Notes | |

vxCPRS v1.27.83.23.4

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|----------------------------|---|
| | |
| Category | Visual and Non-Visual. |
| Problem Description | If a reactant is not found when searching for an allergy the user is given the opportunity to request that the reactant be added. This request is sent via VistA Mailman and currently the mail group is not set up. Additionally the reactant file is locked so even if the mail group was correctly configured the reactant could not be added until additional M work is completed to allow reactants to be added. |
| Resolution | Modified the Reactant Not Found dialog to remove the opportunity to request the reactant to be added. Fixed the displayed text to change the wording appropriately. Modified the button label that allows a new search for the reactant from 'No' to 'OK'. |
| Date Implemented | 10-25-2011 |
| QA Notes | |

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|----------------------------|--|
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| Category | Visual and Non-Visual. |
| Problem Description | The default lab sheet contains TTU references. |
| Resolution | Removed the TTU References. Note that this is now latent code that cannot not be tested based on another enhancement request that is released in this version. |
| Date Implemented | 10-25-2011 |
| QA Notes | |

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|----------------------------|--|
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| Category | Visual and Non-Visual. |
| Problem Description | All of our current customers that have a lab interface are using Quest. Therefore the Quest Lab Request sheet should be the default. |
| Resolution | Modified the code so that only the Quest Lab Request Sheet will print Implemented |
| Date Implemented | 10-25-2011 |
| QA Notes | |

| Category | Visual and Non-Visual. |
|----------------------------|--|
| Problem Description | The Quest lab sheet currently prints PCS-HOLD at the top right of the sheet. |
| Resolution | Removed the PCS-HOLD from the printout. |
| Date Implemented | 10-25-2011 |
| QA Notes | |

| Category | Visual and Non-Visual. |
|----------------------------|---|
| Problem Description | The Quest Lab sheet prints the lab test code and UBHC requires the internal Lab Order Number to ascension labs. |
| Resolution | Replaced the test code with the internal Lab Order Number. Note that this functionality is dependant on a back-end M modification that has not been released yet. |
| Date Implemented | 10-25-2011 |
| QA Notes | |

| Category | Visual and Non-Visual. |
|----------------------------|--|
| Problem Description | The dialog title for the OTC/Meds from elsewhere ordering screen displays the term Non-VA Medications. |
| Resolution | Removed the Non-VA reference. |
| Date Implemented | 10-25-2011 |
| QA Notes | |

vxCPRS v1.27.83.23.5

| Category | Visual and Non-Visual. |
|----------------------------|--|
| Problem Description | On the OTC Meds from Elsewhere order dialog in the dialog title the word Elsewhere is misspelled as 'Elsewher' |
| Resolution | Corrected the spelling error. |
| Date Implemented | 10-25-2011 |
| QA Notes | |

| Category | Visual and Non-Visual. |
|----------------------------|--|
| Problem Description | The Lab personnel requested that 'LB# ' appear before the lab order number on the Quest Lab Request Sheet. |
| Resolution | Added 'LB# ' before the Lab Order Number. |
| Date Implemented | 10-26-2011 |
| QA Notes | |

| Category | Visual and Non-Visual. |
|----------------------------|---|
| Problem Description | All of our current customers that have a lab interface are using Quest. Therefore the Quest Lab Request sheet should be the default for both printing and print preview. It is not the default for print preview. |
| Resolution | Corrected the default to the Quest Lab Request sheet for print preview. |
| Date Implemented | 10-26-2011 |
| QA Notes | |

| Category | Visual and Non-Visual. |
|----------------------------|---|
| Problem Description | PCS Hold still printing on the Quest Lab sheet. |
| Resolution | Really removed the PCS Hold this time. |
| Date Implemented | 10-26-2011 |
| QA Notes | |

vxCPRS v1.27.83.23.6

| Category | Visual and Non-Visual. |
|----------------------------|--|
| Problem Description | On the Patient Select Screen in vxCPRS the Address and the State was displaying but not the City. In the area that is served by UBHC this was not sufficient information to identify the correct patient as the same address could be valid in more than one city. |
| Resolution | Added the City to the patient select demographic display. |
| Date Implemented | 11-07-2011 |
| QA Notes | |

| Category | Visual and Non-Visual. |
|----------------------------|---|
| Problem Description | The labels for Address, City, and State are not appearing on the Patient Select Screen even when patients have values to display in those fields. |
| Resolution | Found the trigger that was hiding those labels and corrected it so that they will display appropriately.. |
| Date Implemented | 11-07-2011 |
| QA Notes | |

| Category | Visual and Non-Visual. |
|----------------------------|--|
| Problem Description | The Labs Requisition Sheets are not separating out based on Collection Date Time which is causing confusion to the users. |
| Resolution | Modified the Lab Requisition to sort the printout by collection date time as well as other current sorting criteria. This enhancement is dependent on a future vxVistA update build. |
| Date Implemented | 11-08-2011 |
| QA Notes | |

| Category | Visual and Non-Visual. |
|----------------------------|---|
| Problem Description | The Labs Requisition Sheets currently contain a large amount of insurance and payor related fields that are not required by UBHC nor are they currently being populated. In fact these fields are using valuable page real-estate. Therefore the request is to remove these fields. |
| Resolution | Modified the Lab to remove most of the insurance and payor fields |
| Date Implemented | 11-08-2011 |
| QA Notes | |

| Category | Visual and Non-Visual. |
|----------------------------|---|
| Problem Description | The Labs Requisition Sheets are not printing the sample type. |
| Resolution | Modified the Lab Requisition to print the sample type. This enhancement is dependent on a future vxVistA update build |
| Date Implemented | 11-08-2011 |
| QA Notes | |

vxCPRS v1.27.83.23.7

| Category | Visual and Non-Visual. |
|----------------------------|---|
| Problem Description | The Collection Start Date and Time fields were confusing to the users. To better indicate actual usage it was agreed that an area would be provided to the user to manually write in the Specimen Collection Date and Time. Additionally the Requested Start Date and Time, as set when the order was placed would also be displayed. |
| Resolution | Added Labels and space for 'Specimen Collection Date' and 'Time'. Moved and renamed the output of the requested collection date and time to 'Requested Start Date' and 'Time' |
| Date Implemented | 01-12-2012 |
| QA Notes | |

| Category | Visual and Non-Visual. |
|----------------------------|---|
| Problem Description | The Lab Requisition form that is printed has a few anomalies that need to be corrected. These are generally alignment issues and an extraneous blank box that spans the page. |
| Resolution | Cleaned up the alignment issues and removed the empty box |
| Date Implemented | 01-12-12 |
| QA Notes | |

| Category | Visual and Non-Visual. |
|----------------------------|---|
| Problem Description | If a patient with an alias is returned in the patient lookup list and that patient causes several letters to be skipped in the alphabet then the user may have difficulty in looking up patients whose names are within the skipped block of letters |
| Resolution | Changed the patient lookup so that the index value that triggered the return is always displayed in the first column. This will result in the Alias to be displayed in the first column and the actual patient name to be displayed in the second column. |
| Date Implemented | 01-09-2012 |
| QA Notes | |

vxCPRS v1.27.83.27.1

| Category | Visual and Non-Visual. |
|----------------------------|--|
| Problem Description | When the patient inquiry is printed, it is printing the SSN and when viewing, the MRN is displayed. The MRN should be printed as well instead of the SSN. |
| Resolution | Code changed in the rreports.pas to request the patient.MRN instead of the patient.SSN. |
| Date Implemented | 12/2012 |
| QA Notes | Select a patient under vxCPRS Left click the patient information button to access the patient inquiry screen. Click the print button and verify MRN is shown as opposed to SSN |

| Category | Visual and Non-Visual. |
|----------------------------|---|
| Problem Description | Unable to move add and move a new Quick order in the list without creating an error message. |
| Resolution | Created an 'Add' button in the form and, when pressed, this button conducts the validation of the quick order name to the names already listed. Passing this validation will add the new order to the list and enable the arrow buttons allowing the name to be move throughout the list. |
| Date Implemented | 12/2012 |
| QA Notes | Orders tab Select Outpatient Medications from the write orders list Select a medication from the list Input dosage information and any other required fields Options menu-save as quick order Enter desired name of quick order and verify functi |

| Category | Visual and Non-Visual. |
|----------------------------|--|
| Problem Description | During the select patient process, if clinic is chosen as the filter, the list box is continuously populated with a continuous loop of the clinics |
| Resolution | Code changed continue calling until the list is fully populated, then halt. Adding "ALL" to the list every time changed the starting point of the list for the RPC call. |
| Date Implemented | 12/2012 |
| QA Notes | Enter Select Patient Process Select the clinic radio button Use scrollbar in both clinics list and provider list to check for redundancy and verify resolution Try using the arrow keys after selecting an item to scroll and verify resolution |

| Category | Visual and Non-Visual. |
|----------------------------|--|
| Problem Description | Resolve is missing from the Rt click menu for problems |
| Resolution | Add resolve option in the rt-click menu as well as the main action menu and add code for functionality |
| Date Implemented | 12/2012 |
| QA Notes | Problems tab Active or *all* radio button selected: Select a problem Use right click to verify availability and functionality of "Resolve" option Resolved/Inactive/Removed tabs should disable the functionality of the resolve popup option. Menu: Aside from the popup functionality, the action menu should have comparable functionality as the resolve popup in all of the above scenarios |

| Category | Visual and Non-Visual. |
|----------------------------|---|
| Problem Description | As a user I want the graphs view definition source "medication, non-VA" to be displayed as "Medication OTC meds from elsewhere" to be consistent throughout the chart |
| Resolution | VA reference removed from both the graph list, the settings popup associated, and the graph profiles input |
| Date Implemented | 12/2012 |
| QA Notes | Select a patient with otc active meds labs tab Graph option in the left list In the popup menu check that otc meds are not listed as Non-VA Choose settings popup form Verify Non-VA meds have been changed to new OTC format |

| Category | Visual and Non-Visual. |
|----------------------------|---|
| Problem Description | As a user without a DEA#, I want the error message that is generated when I attempt to order a schedule II drug to not include VA references |
| Resolution | Instances of VA# in error messages were removed |
| Date Implemented | 12/2012 |
| QA Notes | Replication of the specific error was not achieved Several Error codes were changed to De-Veteranized versions Error should occur when a provider without a DEA# chooses to order a scheduleII drug |

vxCPRS v1.28.24.1

| Category | Product update |
|----------------------------|---|
| Problem Description | Update vxCPRS to version 28 available from the VA |
| Resolution | Merge code from VA version 1.0.28.24 with vxCPRS 1.27.83.27.1 to where there is a working version of vxCPRS 1.28.24.1 |
| Date Implemented | 01-22-2013 |
| QA Notes | |

vxCPRS v1.28.24.2

| Category | Bug |
|----------------------------|--|
| Problem Description | Font size for 'Preferred Language' on the cover sheet does not increase or decrease when the font size is changed through the menu options |
| Resolution | Code added to alter the font size and spacing of the 'Preferred Language' title and field on the cover sheet. |
| Date Implemented | 01-30-2013 |
| QA Notes | Select a patient under vxCPRS Select Edit from the menu Select Preferences Choose new font size Verify size and spacing |

| Category | Bug |
|----------------------------|--|
| Problem Description | VA References exist in the allergy lookup results using the 'Causative Agent Lookup' dialog window |
| Resolution | Code was added to look for and strip the VA reference from 2 known categories of causative agents |
| Date Implemented | 01-30-2013 |
| QA Notes | Select a patient under vxCPRS From the cover sheet, right click in the Allergies/Adverse Reactions Select Enter new allergy Search for an allergy such as 'peanuts' Verify that the 'VA Allergies File' now says 'Allergies File' Verify that the 'VA Drug Class File' now says 'Drug Class File' |

| Category | Bug |
|----------------------------|---|
| Problem Description | SNOMED codes are not saving to the progress note. Upon entering the codes, they appear in the note, however, when vxCPRS is restarted, the SNOMEDs are no longer present. |
| Resolution | The save functionality was working properly, however vxCPRS was not retrieving the data. Code was added to the PCE retrieval function to check for the availability of SNOMEDS functionality prior to the retrieval attempt. This allows vxCPRS to import the SNOMED codes from the stored note for display purposes. |
| Date Implemented | 01-30-2013 |
| QA Notes | Select a patient from vxCPRS Create or make addendum to progress note adding SNOMED code. Sign note and exit vxCPRS Reopen and select same patient View Note to verify display of SNOMED in the PCE window. |

| Category | Bug |
|----------------------------|---|
| Problem Description | PCE encounter drawer suppression is not functioning |
| Resolution | Reintroduce PCE suppression code to vxCPRS which was removed in a previous version. This is to be paired with an alteration to a MUMPS routine to ensure functionality |
| Date Implemented | 01-30-2013 |
| QA Notes | Select a patient from vxCPRS Create a new note in a category which should have PCE suppression (Advance Directive) Verify that the encounter drawer is suppressed |

vxCPRS v1.28.24.3

| Category | Enhancement |
|----------------------------|--|
| Problem Description | Broker Call requires update for VxCPRS |
| Resolution | Updated RPC property in ORNET.PAS library file |
| Date Implemented | 02-19-2013 |
| QA Notes | |

vx CPRS v1.28.24.4

| Category | Visual and Non-Visual |
|----------------------------|--|
| Problem Description | vx CPRS is not completing the connection to the backend vxVistA server.. |
| Resolution | Modified vx CPRS to use an older version of the vxRPCBroker that connects properly. This is only a temporary fix so that testing can continue while the issue with the most up to date vxRPCBroker is examined |
| Date Implemented | 02-26-2013 |
| QA Notes | |

vx CPRS v1.28.24.5

| Category | Bug |
|----------------------------|--|
| Problem Description | The scroll bars are not always visible once you start scrolling in the following options: Clinics, Providers, and Specialties. |
| Resolution | Components resized to accommodate scroll bar. |
| Date Implemented | 04-29-2013 |
| QA Notes | |

| Category | Enhancement |
|----------------------------|--|
| Problem Description | There is a continuous scroll on the list of providers. If you were to scroll down the list it will look and work with no issues, but scrolling up causes the menu to continuously scroll through six providers (All, Algee, L, Adpac, Lab, Adpac, Cac, Admin, System, Adams, John Md). |
| Resolution | Code was added to discontinue repopulation when scrolling has reached the top of the list. |
| Date Implemented | 04-29-2013 |
| QA Notes | Run CPRS Select patient Access the Problems Tab Select Actions – Filter... Verify that the providers' combo box scrolls correctly to both the bottom and top of the list. |

vx CPRS v1.28.24.6

| | Bug |
|----------------------------|--|
| Problem Description | When I clicked an entry in the Vitals pane on the Coversheet I receive Error message 'Can't find library GMV_VitalsViewEnter.dll.' |
| Resolution | Resolved vx CPRS code looking for the VA version of Vitals to the vxVitals version |
| Date Implemented | 06-24-2013 |
| QA Notes | This should resolve access to the vxVitals .dll from both Coversheet and Encounter |

| Category | Bug |
|----------------------------|---|
| Problem Description | When 'Edit' is clicked from the Patient Coversheet 'Redo' is included as a selectable option. It should not be present. |
| Resolution | The 'Redo' menu options is disabled to start, while code previously exists to enable. |
| Date Implemented | 06-24-2013 |
| QA Notes | |

| Category | Bug |
|----------------------------|--|
| Problem Description | When you 'Add' then 'Remove' a Problem with a comment the comment is doubled on the 'Removed' dialog window. |
| Resolution | The 'Remove' option was changed to not import and resave the original comment. |
| Date Implemented | 06-24-2013 |
| QA Notes | |