

Document Storage Systems, Inc. 3rd Quarter FY2021 Release Documentation

Installation Updates: The DSI certification build is common to all DSS applications that have been certified for use VA wide by the Office of OIFO. The DSS Core (VEJD namespace) Kid Build (VEJDCRE.KID – see below version) deploys modified VEJD routines that reference the DSIC certified routines. The DSIC build is required to be installed before the VEJD Core build can be installed. Load/Installation DSS Core/Cert Builds upon the CD installation process. Please note that there is a corresponding technical manual for each of the below referenced kid files. These kid file technical manuals can be found within “.\Docstore\Documentation\Technical Manuals” product directory.

IMPORTANT:

When upgrading your application to the latest version attached in this release from Enterprise Manager, all executables currently installed will be replaced with the most recent version developed by Document Storage Systems.

Technical Services

Self Service: <https://support.dssinc.com>

Email: yha-service-desk@dssinc.com

Telephone: 561.284.7200

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Core KIDS Build (VEJDCRE.KID) Version 5.0

Originally published Jan. 2013. No changes.

Above PAR

Above PAR is a VistA-integrated, graphical user interface designed to streamline the workflow processes and improve functionality for equipment and inventory management. Above PAR was specifically developed to improve data entry, integrity, display and reporting of the AEMS/MERS VistA packages including Equipment Turn In and Preventive Maintenance, as well as GIP and Work Order functionality. An easy to use windows style screen interface replaces the roll and scroll applications, providing a fresh and rewarding user experience that increases productivity and greatly reduces the training time typically needed to learn the VistA functionalities used by the Logistic and Biomedical departments.

Above PAR gives Veterans Affairs (VA) management an in-depth, real-time view into key supplier, inventory and procurement indicators to meet performance measures such as inventory accuracy, cross check duplicate items, and more, which cannot be performed via the current system. Real-time supply and demand information will enable better management of inventory levels and costs-and better meet fulfillment expectations and improving customer service.

Above PAR Version 1.4.5.0

Originally published October 2020.

Note: This release is strictly a GUI Patch, NO KIDS included (Existing DSIY 1.4.4.0 utilized).

AbovePAR.exe (1.4.5.0)

Version 1.4.5.0

Corrected FY for auto-generating Repetitive Item Lists.

APAT – Version 2.3

Advanced Prosthetics Acquisition Tool (APAT) is a VistA integrated software module which automates the request for quote and purchasing workflow. APAT can be used by the prosthetics department for purchasing, quotes and work order. These items include Prosthetics, Orthotics, and other Sensory Aids. The APAT module provides workflow automation for creating and managing quotes and purchase orders to vendors, including electronic submission of these documents. APAT also can scan and index these documents into a database. The application provides detailed activity reporting.

APAT V2.3 contains bug fixes and many user requested program enhancements, Including many document library improvements for prosthetic auditors. Workflow optimizations for prosthetic purchasing agents including an all-new master grid and improved end user reporting.

Caribou CLC Suite

Caribou CLC Suite (Caribou), a web-based solution located in the VA Microsoft Azure cloud, is designed to identify the functional and health care needs of Veterans in long-term care facilities. The VA offers a dynamic array of short-stay and long-stay, non-acute services for Veterans who are medically and psychiatrically stable. Caribou consists of Minimum Data Set (MDS), Care Plans, Care Manager, and National (Central) Reports. The software helps the user to develop a plan of care where services are individualized to meet the needs of each Veteran. Caribou assists the staff in gathering definitive information on a resident's strengths and needs, which must be addressed in an individualized care plan.

Caribou increases user productivity across the resident care team as multiple VistA data points are integrated. Resident admissions, discharges, and transfers (ADT) are tracked through VistA integration, OBRA and PPS scheduling, MDS batching, and reports. Care Manager results are linked to multiple MDS sections and enables the user to quickly enter data into the assessments without exhaustive searches through VistA/CPRS for the relevant data.

DSIB Caribou CLC Suite KIDS Build (DSIB.KID) Version DSIB 1.0*10

- Originally published February 2020.
 - No changes for this quarterly release.

Clinical Note Templates Plus (CNT Plus)

CNTs are a note charting software for VA clinicians. CNT Plus has components that are mapped to VistA PCE items, which in turn are available for reporting purposes and are able to satisfy Clinical Reminders. CNT Inventory Count: 415

DSIG CNT Plus KIDS Build (DSIG.KID) Version DSIG 4.0

No changes.

Clinical Note Templates Inventory 21.3.0.0

Inventory roll up including all site requested changes in numerous CNTs since the 21.2.0.0 release in 2021 Q2.

DSSNav.exe (standalone DSS CNT Navigator) Version 3.9

No changes.

CNTNavForCPRS.dll (Com Object CNT Navigator) Version 3.8

No changes.

Consult Tracking Manager Plus (CTM Plus)

Consult Tracking Manager Plus provides an instant, up-to-date dashboard view of the status of all your consults, displayed by service line. The application shows all actions required by role. When a task is complete, it automatically moves through the queue and displays on the next person's task list as an open item. Consult Tracking Manager Plus is a web-based solution to unreliable and time-consuming paper-based or non-integrated systems. It streamlines workflows, allows clinicians increased bedside time, and ensures patients are scheduled in a timely manner. It improves overall outcomes for administrators and consult managers, providers and patients alike.

DSSP KIDS Build (DSSP.KID) Version DSSP 1.8

Originally published January 2021.

Consult Tracking Manager GUI 0.9.70 (CTM+ GUI 2.0.70)

Originally published January 2021.

CTM Changes and Enhancements:

- Correction of RTC functionality due to VA update of VistA Scheduling.
- Toolbox update to match VA recent released version.
- Community Care Vendor Assignment feature.
- Other enhancements and bug corrections to improve user experience.

cyberREN

cyberREN is a complete clinical data management system specifically for nephrology. It covers the entire scope of all documentation, data analysis, administrative and reporting requirements necessary for all phases of chronic renal disease.

DSIHW cyberREN (DSIHW.KID) Version DSIHW*2.0*P5

Changes:

This patch contains several enhancements and minor bug fixes.

The biggest enhancement contained in this patch is the ability to copy hemodialysis order from default settings or an existing hemodialysis order template. The patch also contains a feature to reset one or all hemodialysis order templates. It will also allow progress notes to be attached to correct visit out of multiple duplicate visits. It can now handle procedure codes that contain white spaces in ORU-R01 messages. This patch supports cosigner functionality while also supporting backward compatibility. Finally, R22 messages will not be linked to a consult.

Dental Record Manager Plus

DRM Plus is a VA nationally certified software for dental treatment and planning. This product replaced the Dental Record Manager system. This product integrates Dental Discus commercial package within the current DRM system to create a Dental Treatment Planning system.

Dental Record Manager Plus (DRM+) Version 7.8.0.2

- Corrected Data Warehouse Reports configuration file to include MRONJ (Medication related osteonecrosis of the jaw) report which shows the administration of specific medications in the Veteran's patient record.
- Corrected entering and displaying of vitals for patient temperature to align with CDC COVID-19 recommendations.

DRM Plus KIDS Build Version 1.2*79 (Patch 79)

Class 1 Product – Distributed via FORUM. DRM Plus KIDS Build Version DENT*1.2*79 is the annual code update patch for FY2021.

- The following NEW CPT Codes were added: 20552, 64615, 64568, 95976, 0466T, 21243, 21247, 21242, 88304, 88305, 88307, 88311, 88312, 88313, 88342, 88341, 88365, 88366, 88321, 88104, 64616, 15769, 15771, 15772, 15773, 15774.
- The following NEW ADA Codes were added: D0604, D0605, D0701, D0702, D0703, D0704, D0705, D0706, D0707, D0708, D0709, D1321, D1355, D2928, D3471, D3472, D3473, D3501, D3502, D3503, D5995, D5996, D6191, D6192, D7961, D7962, D7993, D7994.
- The following ADA Codes were inactivated: D3427, D5994, D6052, D7960.

DocManager

DocManager is a document imaging system that is fully integrated into the VA VistA database. Gives the facility the ability to scan and archive any document from any department.

DocManager Version - 4.74

Originally published April 2019.

Class I Product – Distributed via FORUM.

DocManager PIV - Version 1.0

Class I Product – Distributed via FORUM. Originally published April 2019.

DocManager DSS Queue Service - Version 2.2

Class I Product – Distributed via FORUM. No changes.

DocManager DSS Queue Process - Version 1.2

Class I Product – Distributed via FORUM. No changes.

DocManager DSSMGR - Version 3.2

Class I Product – Distributed via FORUM. No changes.

DocManager DSSDMNotes - Version 1.4

Class I Product – Distributed via FORUM. No changes.

DocManager DssScan - Version 3.11

Class I Product – Distributed via FORUM. No changes.

DocManager DssView - Version 3.10

Class I Product – Distributed via FORUM. No changes.

DocManager DMAudit - Version 1.5

Class I Product – Distributed via FORUM. No changes.

DocManager DssEmail - Version 3.6

Class I Product – Distributed via FORUM. No changes.

DocManager DM Utilities Definition ID - Version 2.1

Class I Product – Distributed via FORUM. No changes.

DocManager DM Utilities Delete Image - Version 2.1

Class I Product – Distributed via FORUM. Originally published June 2013.

DocManager DM Utilities Move Inbox - Version 2.2

Class I Product – Distributed via FORUM. No changes.

DocManager DM Utilities Orphan Record - Version 2.1

Class I Product – Distributed via FORUM. No changes.

DocManager DM Utilities Process Queue - Version 2.1

Class I Product – Distributed via FORUM. No changes.

DocManager DM Utilities - Version 1.1

Class I Product – Distributed via FORUM. No changes.

DocManager DM Utilities Viewer - Version 2.6

Class I Product – Distributed via FORUM. No changes.

DocManager VI Conversion - Version 2.2

Class I Product – Distributed via FORUM. No changes.

DocManager DSS Scan Station Install - Version 3.54.164

Class I Product – Distributed via FORUM. No changes.

DocManager DMMTSAdmin - Version 1.0.5.2

Class I Product – Distributed via FORUM. No changes.

DocManager MTS Utility – Version 4.2

Class I Product – Distributed via FORUM. No changes.

DocSearch - Version 4.4

Class I Product – Distributed via FORUM. No changes.

ICB Audit Lib – Version 1.1 Class I Product

Distributed via FORUM. No changes.

eCareManager [in partnership with Philips]

Philips eCareManager clinically transforms the ICU, using a proactive care model that helps address the issue of growing physician and nurse shortages while dramatically improving quality of care.

Through an ideal blend of medicine with technology, this care model leverages clinical expertise, patented processes, and cutting-edge technologies to improve critical care delivery.

Philips eCareManager program requires data from the ADT, Laboratory, Medications, and CIS interfaces in VistA/CPRS in order to provide eICU and VISICU clinicians with longitudinal patient information and data to drive clinical decision support and population management tools. Philips eCareManager is utilizing DSS' Integration Framework toolkit to get this data from VistA/CPRS to maximize the value that can be achieved from the eICU and VISICU program.

DSIHN eCareManager (DSIHN.KID) Version 2.0

No changes.

Encoder Product Suite (EPS) [in partnership with Alpha II and Nuance]

The Encoder Product Suite (EPS) is a suite of applications comprised of coding, auditing and scrubbing systems for inpatient, outpatient and professional medical services. It has been proven to be an essential tool for the Department of Veterans Affairs' Medical Centers (VAMC), by improving productivity and accuracy and thereby, reducing medical claim rejections by payer and increasing reimbursements.

EPS Component: Audit Compliance Module (ACM) Version 8.1

- In the PCE Compliance report, the ICD-9 and ICD-10 filters were not working for Primary DX Only selection; this has been resolved.
- ACM Code Range and Code Series filters - After setting a value, change ellipses behavior has been resolved. Removed logic which cleared the ICD-9 and ICD-10 Code range and series on first click. The existing values will be displayed when the code series and range dialogs are displayed
- The PCE Compliance report was not displaying visits that meet report criteria when searching by Biller, UR and FR Assignment Dates. Removed hardcoded filter value being passed to the DSIP DT/USER/STAT PCE SEARCH RPC.
- Changed logic to display Release Title of nCoderMD GetAbout.ReleaseTitle API which fetches the version information.

- UR RNB Reason for Change is populating in cell for visits with no claims tracking entry. Logic was added to bypass visits with "No Entry on file" in the Reason Not Billable when updating the Reason For Change value. This fix has been applied to both Audit PCE and PCE Compliance reports.
- Query to Check Claims for multiple BGN segments. Debugging code was added to check for multiple BGN segments in claim data that is being passed to the scrubber. The logic has been added for the OnDemand, Single Interface, and Scheduled Audit IB reporting features. Logging is controlled through the INI entry "CheckBGNCount" in the "eScrubber" section
- VEJDIBSC moved to DSIPBSC. DSIPBSC add subfile #19610.41 (#19610.4, #3.1) which will contain a list of Billers that have Scrubbed that claim. This is to correctly capture the initial and rescrub data. Modify some of the flow of this process to not ask if the data should be sent to MailMan, and if the scrub audits are not viewed to stay in the scrub process instead of returning to entering a bill #. **RPCs:** Bill Scrubbing Process
- Updated minimum patch requirements for DSIP and VEJD.
- Access violation at address 011A8B96 in module AuditReportManager.exe Read of address 000000AC when grid right-click menu is displayed and the user clicks the window of another application.
- Update Clintegrity "Attend a Webinar" link in DSS Applications.
- Change the parameter value to DSIP CODER USER key for User Management. Resolution: Changed the key from VEJD EPS USER to DSIP CODER USER to improve data loading efficiency
- Implement changes in Q2 2019 CCM build for it to require the Q2 KID Build patch levels. Changed DSIP and VEJD patch minimum requirement variables to '4' and '3' respectively.
- Not able to set RNB in Billing Management - application invokes the RUR Message that a RUR RNB RFC needs to be selected. Added conditional check for visibility of reason for change controls. If controls are not visible, the message stating a reason for change is required is suppressed.
- Apply code to the UR Management Dialog to disable the controls when multiple visits with no claims tracking are selected in View Audited PCE. Modified the conditional statement to check for "No Entry on file." if multiple records are selected. If this condition is satisfied, the RUR RNB controls will be disabled.
- Modify Biller and UR Management dialog windows in View Audited PCE Records to include Claims Tracking. Do not allow RUR RNB RFC on any visit with no claims tracking. Added logic to expose the Claims Tracking controls within the Biller and RUR management dialogs when launched from the View Audited PCE report.
- Retrospective Review Report not displaying visit when it is only a single-entry meeting criteria. Adjusted the logic to parse data for a single record RPC result.
- Stop Code Screening returns both a Clinic Stop and a Stop Code IEN in the search result field. Replaced VEJD DDR FINDER RPC with DSIC FM.
- Modify code to display Radiology Report when Image exists. Added logic to the VistA Chart Review dialog to be consistent with the CCM Clinical Information - Imaging report view.

- The Invalid Pointer Operation window pops up when closing application. Upon the destruction of the main form, the application attempted to execute the VEJD ARM RPC after the RPC broker memory had already been released. This code was relocated prior to terminating the application and calling the main form destructor.
- ACM PCE Compliance Report - ICD9 Code Series entry is not saved. Commented out unnecessary function call applied to the ICD-9 diagnosis filter.
- Disable Scheduled Events - VEJD Audit report manager jobs do not terminate. Resolution: Changed logic to default the scheduled event timer to be disabled at startup; users will have to manually start the timer.
- Modified routine DSIPCR so that in ACM RR Report ONLY the initial Bill Process Complete Date/Time will be displayed or 'NA' if there isn't one. **RPCs:** DSIP RETRO REPORT
- In ACM, the E&M for Change report a Type of Change was equal to "Unknown DSIPX". Modified routine DSIPENM to use variable DSIPX instead of string value "DSIPX". **RPCs:** DSIPENM REPORT
- ACM stops responding when scrubbing claims in Vista. Resolution: Modify routine DSIPRPC1, so that the PING and UPDATE will take as much time as needed to Lock the needed records.
RPCs: VEJDARM PING, VEJDARM UPDATE

EPS Component: Compliant Coding Module (CCM) Version 8.1

- Implement service Category "Type". Disable the "Type" control in the PCE Management screen when creating a new encounter; made the contents read-only. The assignment of a new visit's visit type will be assigned after filing to PCE using an algorithm based on the location selected.
- Added logic to launch the patient chart from the CCM Workload report by pressing the F12 function key.
- Prior to constructing the C360 encoder record for upload, CCM attempts to retrieve the facility ID associated with the visit's location by calling the VEJD IB LOCATIONS DIVISION. This RPC was not registered in the proper menu option, which failed. This resulted in the facility ID field value being blank in the C360 record. Resolution is to replace VEJD IB LOCATIONS DIVISION with DSIP IB LOCATIONS DIVISION.
 - Display a message to the user indicating the visit cannot be uploaded to Clintegrity if the visit location does not have an associated institution.
- Removed the hardcoded NT Username value for the LoginAuthenticateUser.
- Previously, the status in the workload report was not updating in the grid after change to Code for Non-MCCF status; this has been resolved.
- Added logic to the Global Fee Period Audit calculation to determine if the surgery evaluation visit is within the 10-day or 90-day fee period.
- CCM Coder Comment Dialog flyover would not work intermittently; this has been resolved.
- PCE Management and Surgery coding grid up/down arrows were not functioning correctly; this has been resolved.

- The option to Import “Corresponding PTF Diagnosis” and “Import PCE Codes” in CCM had a bug introduced with the release of the 10/01/2018 LEXICON that would allow inactive codes to be displayed for the date of service. This has been resolved.
- The CPT code was not displaying after using the Lexicon Lookup. To resolve, removed unnecessary call to refresh the grid after the clinical lexicon dialog was closed and the CPT value posted to the grid.
- Display Release Title of nCoderMD. Changed the logic to call the nCoderMD GetAbout.ReleaseTitle API, which fetches the version information.
- Implement changes for CCM build to require the Q2 KID Build patch levels. Changed DSIP and VEJD patch minimum requirement variables to '4' and '3' respectively
- Follow-up on Citrix and CCM video issues added a Peek Message call to allow processing of windows queued messages. This should assist with the "Not responding" message as well as allow for refreshing of the screen.
- Problems with toggling between CCM and the Notes window. Resolution: The modal Clinical Notes dialog being hidden and ostensibly causing the application to freeze is due to a registry key (HKEY_CURRENT_USER\Control Panel\Desktop\ForegroundLockTimeout) being set to a value greater than 0. The VA will install and execute a Windows API debug utility (fglocktimeout.exe /z) to determine if a Windows API call is setting the registry key and reset it to.
- Modified the 3rd party grid component (TAdvGrid) source code to implement a workaround for a bug created in an earlier version.
- Users would experience an Access violation when in the PCE grid when the right-click menu is displayed, and the user clicks the window of another application; this has been resolved.
- Update Clintegrity "Attend a Webinar" link in DSS Applications.
- Modify code to display Radiology Report when Image exists. Added logic to the VistA Chart Review dialog to be consistent with the Clinical Information - Imaging report view.
- Modify the logic to process the status check more efficiently when Filing to PCE. Refactored the logic which checks the visit status triggered by a visit change before and after filing to PCE. The calls to DSIC DDR GETS ENTRY DATA were reduced to improve performance.
- Modify code to only call DSIP IB REASON NOT BILLABLE once when opening to PCE from Workload report. Removed the extra call to the DSIP IB REASON NOT BILLABLE RPC when changing visits.
- U0001 cannot be directly entered in CPT grids. Modified logic to allow direct entry of COVID-19 CPT codes 'U0001' and 'U0002' in the PCE Management and Surgery CPT grid.
- 508 User Workload Criteria dialog. Corrected tab ordering and set the Visit Date radio button as default. Also corrected the "Cannot focus invisible or disabled window".
- 508 Report Grids/Screens. Corrected tab ordering to read labels on the Welcome screen in a left to right, top down order. Also implemented a feature to have JAWS read the Flag, Patient Name, and Visit date and time when the report grid receives focus. The user may use the left and right arrow keys to read each column's cell value for the highlighted row.

- 508 PCE Management Section. Corrected tab ordering in the PCE Management screen's visit information section. The tab ordering now follows a left to right, top down order.
- 508 Surgery Report tab re-ordered. Corrected tab ordering in the Surgery Schedule screen in a left to right, top down order. Also implemented a feature to have JAWS read the Case Number, Patient Name, and Surgery date and time when the Report grid receives focus. The user may use the left and right arrow keys to read each column's cell value for the highlighted row.
- 508 Report Grids/Screens. Adjusted the logic to prevent JAWS from being muted. This addresses the sporadic behavior of JAWS not reading the selected row's cell values when using the arrow keys in the CCM Workload, Surgery Schedule, PCE Management Coding, and Surgical Coding History reports.
- The display of the initial Compliance Coding Module Today screen is not in focus. Reorganized the code to allow the CCM main window to receive focus after the user clicks the Cancel button on the Patient Selection screen. This will allow the user to automatically begin navigation of the application using the keystrokes. An access violation when re-running the report was also fixed.
- When filtering grid cell entries Access Violation pops up. Added logic to bypass the JawsSpeak API when changing grid selection if the FocusedRecord property is nil when the grid's selection change event is executed upon filtering.
- Workflow path to get to add a CPT code, goes to ICD section. Added logic to set the focus to the CPT or ICD grid when using the Add Row menu option from the Workflow -> PCE Management -> CPT/ICD menu options.
- Surgery History grid grouping has Access Violation. Removed line of code which caused memory access violation when exiting the grid column grouping dialog in the Surgery Coding History grid.
- E&M for Change report a Type of Change was equal to "Unknown DSIPX". Modified routine DSIPENM to use variable DSIPX instead of string value "DSIPX". **RPCs:** DSIPENM REPORT

EPS Component: VIP Director 8.1

- In the 099 Transmission report, an indicator has been added next to the census records so that the user can differentiate from census records and PTF records.
- Update the application to check for VEJDVIP dependency to VEJDVIP*7.9*3.
- The Patient Search ellipsis button in the Patient Filter tab for Standard Reports does not display when the display settings is set to 150% scaling. Reduced the width of the patient text box so the ellipsis button gets moved to the left.
- The Excel button at the top of the screen is missing. The underlying toolbar was accidentally reduced in width. This version widens that width to display the hidden Excel button.
- Update the Attend Webinar link:
<https://nuance.webex.com/nuance/onstage/g.php?PRID=f11a2ffb5e0b963de03bc46165571583>

EPS Component: VIP Workplace Version 8.1

- Updating the Case Action button and changing text or status will now update the status bar at the bottom with the case action and comment.
- This release to be compiled and built with the T5 build of the version 65 RPC Broker, which accommodates PIV based SSOi login. (built in Delphi XE6). The application will try to log in via SSOi authentication initially and if it fails, it will fall back to the older Access Verify login-based authentication.
- Dev Code review - Replace use of VEJD ATL TYPE OF DIA LOOKUP with DSIP TYPE OF DIA LOOKUP, with DSIP PTF ELIGIBILITIES, VEJD ATL PTF RELEASE with DSIP PTF RELEASE RPCs.
- The Coding History grid in Surgery Package would allow the coder to edit in the grid. However, the changes were not saved. The grid has been made un-editable.
- The F5 key was not refreshing the Surgery Case Management report when a row was selected, and the user pressed F5; this has been resolved.
- A new security key 'DSIP VIP CODE ADMIN' has been added to VistA in the supporting DSIP build for this release. The 'DSIP VIP CODE ADMIN' security key will need to be assigned to supervisors and/or leads prior to the next release of VIP-W. Users holding this key will have permission to run VIP-W for all VIP coders. Coders that do not have the key will only have access to their "My Cases" report in VIP-W.
- Previously, when attempting to view a new discharge summary, consult screen, clinical coversheet, it was not clearing out the previous report. This has been resolved.
- Change the check for VEJDVIP dependency to VEJDVIP*7.9*3.
- If there are no codes in a selected movement when we click the menu item, "Delete all codes from Selected Movement", do not refresh the screen. Check to see if any movements are selected. If not, then show a message that no movements are selected. If no codes exist in a selected movement, show a different message. We do no refresh if no codes are deleted.
- A flyover has been added when you hover over a drop-down box and the text exceeds the width of the drop-down.
- When opening the 099-transmission log report, the cursor will now land on the top record, which will be the most recent.
- The Nuance attend webinar link has been updated.
- Previously, on the 101 screen, facilities with longer names were being cut off by the dialogue box. This has been resolved.
- Previously, if the 701 codes were entered in VistA and the coder sequenced the codes, the POAs would drop off. This has been resolved.
- In the previous version, U0001 could not be directly entered in the other procedure grids.
- Modified logic to allow direct entry of COVID-19 CPT codes 'U0001' and 'U0002' in the Surgery Other Procedure CPT grid.
- DRG was being calculated incorrectly. Modified routine DSIPF to use all the Procedures and Surgery codes instead of the first 5 of each. **RPCs:** DSIPF CALC DRG

EPS Component: DSIP KIDS Build (DSIP.KID) Version 5.2 *4

- **Code Review:** Modified all routines in the build to have the new correct SACC Routine Updated Date/Time value in the first line of the routine. MMM DD, YYYY@HH:MM. **RPCs:** N/A
 - **Code Review -** Modified routine DSIPSR1 to use SACC standards. **RPCs:** DSIP SR 136 UPDATE – File to Surgery
 - **Code Review:** Use standard timeout for Locks, as code timeouts are there, but less than standard. **Resolution:** Modify routine DISPPTFC, DSIPF, and DSIPBSC to Use Lock Timeout variable DILOCKTM. **RPC:** DSIP PCE UPDATE – Filing Providers and CPT Codes to PTF, DSIPF LOCK PTF, Claim Scrubber process
 - **Code Review:** Undefined ^TMP(“PTF”, \$J) file. Modified routine DISPPTFC to use the, REQUIRED ^TMP(“PTF”, \$J) File by ^DGAPI. I had originally changed “PTF” to “DSIP-PTF”, but the VA API Requirements will not allow that. **RPC:** DSIP PCE UPDATE
 - **Code Review:** Issues noted by the Code Review process.
 1. DSIPXPC1 using API \$\$HIST^PXCEVFI1 and needs an Integration Agreement (IA) noted. This API is unsupported. Found a new API (\$\$HISTORIC^VSIT) that is a supported IA. 1907
 2. DSIPXPCW and DSIPXX using ^XTMP globals without a set top node. I could not find any other usage of these ^XTMPs, so I removed those lines of software.
 3. Killing a ^TMP global. DSIPPTFC Kills ^TMP(“PTF”, \$J). This is not a Temp file that belongs to PTF. It needs to be namespaced to DSIP.
 4. DSIPPTFR needs to use a VA FileMan API to retrieve data instead of a direct File Access.
 5. Namespacing ^TMP files.
 - a. DSIPF - ^TMP(“FAC-DSIPF”). Renamed to ^TMP(“DSIPF-FAC”)
 - b. DSIPXBA - ^TMP(“HOLD PXKENC”). Renamed to ^TMP(“DSIP HOLD PXKENC”)
 - c. DSIPXCO - ^TMP(“NEW PXKCO”). Renamed to ^TMP(“DSIP NEW PXKCO”)
 - d. DSIPXCO - ^TMP(“PCE UPDATE”). Renamed to ^TMP(“DSIP PCE UPDATE”)
 - e. DSIPPTFC - ^TMP(“PTF2”). Renamed to ^TMP(“DSIP-PTF2”)
- RPCs:**
- | | |
|---------------|-------------------------|
| DSIPXPC1DSIP | PCE UPDATE |
| DSIPXPCW | DSIP PCE UPDATE |
| DSIPXX DSIP | DT/USER/STAT PCE SEARCH |
| DSIPPTFC DSIP | PCE UPDATE |
| DSIPF DSIPF | FACILITY LOOKUP |
| DSIPXBA | DSIP PCE UPDATE |
| DSIPXCO | DSIP PCE UPDATE |
- **Code Review:** Modify routines DSIPENM, and DSIPXCO to correct noted ICRs that are being used in that software. **RPCs:** none
 - **Code Review:** Modified routine DSIPXCO, and DSIPXBA to pass the PCE Array PXCKO. Modified DSIPXCO to Code Review a couple of missed instances of variable P04 to DSIPP04. Add/Remove ICR documentation for routines that needed updates to the ICR listing in the routine (DSIPBSC, DSIPLEX, DSIPPTFE, DSIPXPC1, DSIPXPCW). **RPCs:** DSIP PCE UPDATE
 - **Code Review:** Added the following RPCs to use the recently Moved from VEJD, and Code Reviewed DSIPPTFE: DSIP PTF REOPEN, DSIP PTF CLOSEOUT, DSIP REOPEN PTF LOOKUP, DSIP PTF RELEASE. **RPCs:** DSIP PTF REOPEN, DSIP PTF CLOSEOUT, DSIP REOPEN PTF LOOKUP, DSIP PTF RELEASE
 - **Code Review:** Cloned VEJDATL6 into DSIPPTFE. Modified routine DSIPPTFE to be Code Review complaint. **RPCs:** None at this point.

- Undefined Error for variable PSDATE, modified routine DSIPSR1 to use variable PSDATE instead of DSIPPSDATE. **RPCs:** DSIP SR 136 UPDATE – File to Surgery
- File to Surgery was not properly creating a PTF record from a PCE 'Update Surgery' Professional Service. Modified routine DSIPSR0 and DSIPSR1 to pass an array correctly between the two. An important check looks at this array and is now viewing it correctly. **RPCs:** DSIP SR 136 UPDATE – File to Surgery
- DRG was being calculated incorrectly. Modified routine DSIPF to use all Procedures and Surgery codes instead of the first 5 of each. **RPCs:** DSIPF CALC DRG
- E&M Type of Change producing format 'Unknown-<cpt code>' when it should be 'Deleted'. Modified routine DSIPENM to change variable DSIPX to text "X". Original mistake was in code review changing "X" to "DSIPX", and then figuring "DSIPX" should have been a variable. **RPC:** DSIPENM REPORT
- In ACM, the lookup of ROI on patient is causing an undefined error. Modified routine DSIPROI to use the variable DSIPIBRFN instead of DSIPIBRFNS. Misspelled or incorrect version of variable. As a 'standard', adding an S to a variable that is an IEN means it has the form "IEN," which is frequently used in FileMan APIs. **RPCs:** DSIP GET ROI SPECIAL CONSENT
- Service Category Calculation during File to PCE does not appear to be working exactly as CPRS. Modified routine DSIPXPC1 to add business rules found in CPRS GUI code to add to File to PCE business rules. **RPCs:** DSIP PCE UPDATE
- WATCHDOG error during Audit IB. Modified routine DSIPRPC1 to make sure it is using the appropriate Indirection. Was using 1 '@' instead of 2, so it was pointing to the wrong part of the result array causing the error. **RPCs:** DSIP PX 399 BY PATIENT
- When Filing to PCE for a Visit, an error is produced in the CPT^DGAPI API with the PSDATE variable not being defined. Modified routine DSIPPTFC to account for the fact that while it is using the namespace DSIPPSDATE, the API requires PSDATE. **RPCs:** DSIP PCE UPDATE
- ACM stops responding when scrubbing claims in Vista. Modified routine DSIPRPC1, so that the PING and UPDATE will take as much time as needed to Lock the needed records. **RPCs:** VEJDARM PING, VEJDARM UPDATE
- When Filing to PCE for a Visit, an error is produced in the CPT^DGAPI API with the PTF IEN not being defined. Modified routine DSIPPTFC to account for the fact that while it is using the namespace DSIPPTF, the API requires PTF. **RPCs:** DSIP PCE UPDATE
- When Filing to PCE for a Visit, an error is produced with the appointment date variable (DSIPAPPTDT) is empty. Modified routine DSIPXCO to correctly pass the Patient IEN (DFN) to an API. Due to incorrect parameter position, the Appointment Date value was being set into the DFN and the Appointment Date was empty. **RPCs:** DSIP PCE UPDATE
- An undefined error is being produced when trying to close a PTF. Modified the routine to make sure the Array Record holding the fields that are in node .321 are added to the cumulative fields to retrieve. **RPCs:** DSIP PTF REOPEN, DSIP PTF CLOSEOUT, DSIP REOPEN PTF LOOKUP, DSIP PTF RELEASE
- The original solution to use RPC 'DSIP PCE VISIT LOOKUP' did produce the exact results as the original RPC 'VEJD PCERM DATA FILE SEARCH'. RPC 'DSIP PCE VISIT LOOKUP' already had Primary DX filtering so we tried to use that. Cloned routine VEJDX (VEJD PCERM DATA FILE SEARCH) into a DSIP routine (DSIPXX) and new RPC (DSIP DT/USER/STAT PCE SEARCH) and add Primary DX filtering. **RPCs:** DSIP DT/USER/STAT PCE SEARCH, DSIP CPT MODIFIERS LIST

- VEJDIBSC moved to DSIPBSC. Code Review DSIPBSC. Add subfile #19610.41 (#19610.4, #3.1) which will contain a list of Billers that have Scrubbed that claim. This is to correctly capture the initial and rescrub data. Modify some of the flow of this process to not ask if the data should be sent to MailMan, and if the scrub audits are not viewed to stay in the scrub process instead of returning to entering a bill #. **RPCs:** Bill Scrubbing Process
- When Filing to PCE for a new Visit, a new Visit # was being created but not retained; thus, causing an issue later in the process that required a visit # to be present. Modified routine DSIPPXCO to pass the Visit # variable (DSIPVISIT) by reference which will make sure the newly created Visit # is retained. **RPCs:** DSIP PCE UPDATE
- Service Category API does not have any corrective action when the Hospital Location has no Stop Code. DSS ID can also be used but with a new Visit, none is present in the Visit to use. Modified routine DSIPXPC1 to use the default Service Category value if no Stop Code or DSS ID currently exists for the hospital location. **RPCs:** DSIP PCE UPDATE
- Requirement Change. Modified routine DSIPCR so that in ACM RR Report ONLY the initial Bill Process Complete Date/Time will be displayed or 'NA' if there isn't one. **RPCs:** DSIP RETRO REPORT
- In ACM, the E&M for Change report a Type of Change was equal to "Unknown DSIPX". Modified routine DSIPENM to use variable DSIPX instead of string value "DSIPX". **RPCs:** DSIPENM REPORT
- In order to remove the ability to retrieve cases assigned to ALL VIP CODERS, a security key (DSIP VIP CODE ADMIN) was added to Users, so they can check or uncheck "My Cases Only" when they do a right-click. **RPCs:** N/A
- Expired Insurance is still being displayed. Modified routine DSIPPTFR to make sure the expiration date is retrieved correctly. **RPCs:** DSIP PTF DATA FILE SEARCH
- Implement the Service Category "Type" new API and Code Review the series of routines to perform the PCE Update. Modify routines DSIPPTFC, DSIPXBA, DSIPXCO, DSIPXCW, DSIPXCX, and DSIPXCY **RPCs:** DSIP PCE UPDATE, DSIP PCE TO 801, DSIP BYPASS CCM CODING
- ICD Code Lookup has duplicate and deactivated codes. Modified routine DSIPLEX to not treat the entered search data as a search candidate. Existing Lexicon search could duplicate the result. **RPCs:** DSIP LEX CATEGORY ICD SEARCH
- MAXNUMBER> error when looking up data on an ICD Operation/Procedure code. Modified routine DSIPUTL2 to make sure that the code retrieved from File #80.1 does not get used as a number. The code is in the scientific notation form of an integer, so when it is changed to a number, the error happens. **RPCs:** DSIP ICD0 CODE LOOKUP
- Modified routine DSIPCR so that in ACM RR Report, the Bill Process Complete will be displayed in the grid cell after status change to RR Recode. Refer to Billing **RPCs:** DSIP RETRO REPORT
- In VIP, the RPC 'DSIP PTF HFS PRINT' was malfunctioning due to variable DSIPAD being killed. Modified routine DSIPF to NEW the variable DSIPAD so it retains its value. **RPCs:** DSIP PTF HFS PRINT, DSIPF CALC DRG

EPS Component: VEJD KIDS Build (VEJDPCE.KID) Version 59.0*4

- **Code Review, Fix: Routine:** VEJDPXCO, routine was missing version patch '3' in Description, updated the patch number from '***4**' to '***3,4**'.
- **Code Review, Fix: Routine:** Temp global header node not Newed or killed when created, Variable 'AXY' was changed to 'DSIPAXY' in Routine 'VEJDPXCO'.
- **Bug Resolution:** The variable used for the return in 'VEJD PCE UPDATE' conflicts with a mistyped variable 'DSIPARRAY' which returns nothing when used in PICIS applications: Resolution: Referenced variable 'DSIPARRAY' has been renamed to 'DSIPINARRAY' in Routine 'VEJDPXCO', and included the pre-requisite checking routine.
- Checksums
- VEJDPCEI value = 3178390
- VEJDPXCO value = 496231

EPS Component: VIP KIDS Build (VEJDVIP.KID) Version 7.9*3

- **Code Review, Fix:** Updated the Patch Description in the build definition to comply with code review.
- **Enhancement Problem:** Few RPCs were not working in the GUI. **Resolution:** Options were modified to include RPCs*, added a few RPCs to the option menus to permit operation GUI VIP Workplace and VIP Director.

Enterprise Manager

Enterprise Manager was introduced into the VA environment in 2003. It is installed by default onto every DocStore server.

As a utility application, Enterprise Manager has many strengths:

- Provides the user with an overview of what is installed on the server along with notification of what is up to date and what is not.
- Gives the user the ability to update their installations online.
- Provides the user with a means to diagnose their installations.
- Notifies users of known issues and available product descriptions and training.
- Integrates with DSS WatchDog to listen for and route HL7 alert messages to Support Services.

Enterprise Manager Version 7.3

Release Version 7.3

No changes.

Watchdog 2.2

No changes.

DSIW 1.3

No changes.

Fee Basis Claims System

The Fee Basis Claims System (FBCS) entails several different third-party components coupled with the DSS VistA Gateway, the DSS Fee Authorization module and the DSS Fee Payment module to perform VA Fee Basis Claims processing. This system allows the user to scan medical claims that health care providers submit to the VA facilities, authorize treatment for Veteran conditions to an outside third-party health care provider and render payment to the VA contracted health care provider.

Fee Basis Claims Suite Version 3.2*61 (Patch 61)

No changes.

DSIF_3_2P61.KID

No changes.

Fee Basis Claims Suite Version 4.2*2 (Patch 2)

No changes.

GUI/API Version 4.2.3.186

No changes.

Upload Service Version 4.2.2.18

No changes.

RTS Service Version 4.2.2.22

No changes.

Sync Service Version 4.2.0.33

No changes.

Scrubber Service Version 4.2.3.24

No changes.

Data Relay Service Version 4.2.2.12

No changes.

Migration Service Version 4.2.2.26

No changes.

PIT Service Version 4.2.2.15

No changes.

Adjudication Service Version 4.2.3.109

No changes.

DSS VSOA FBCS Package Version 1.1.0.0

No changes.

GetWellNetwork (GWN)

GetWellNetwork is an interface for a proprietary software and workflow engine, “Patient Pathways”, which helps automate patient care processes and guide patients through critical aspects of their stay – inviting them to learn more about their care, condition, and safety.

DSIHK GetWellNetwork (DSIHK.KID) Version DSIHK*2.0

Originally published February 2019.

No changes.

Insurance Capture Buffer (ICB)

The Insurance Capture Buffer (ICB) module is an insurance card scanning and VistA Buffer file update management system utilizing desktop scanners and Optical Character Recognition technology. Integrated with VistA, it is designed to enhance the insurance data collection and verification processes for VA medical centers by providing ‘alerts’ to check-in clerks, paperless work lists for verification clerks and audit trail reporting for managers. ICB presents a graphical user interface to the VistA Buffer file with direct link to a facility’s VistA tables (i.e., insurance file) and rules. Audit trails and productivity reports are available to managers with the appropriate permissions.

Insurance Capture Buffer (ICB) – Version 3.9

No changes.

Insurance Capture Buffer KID - Version 2.2*13

Class I Product – Distributed via FORUM. Originally published March 2017.

No changes.

Insurance Capture Buffer - ICBWSSetup.exe

No changes.

Integration Framework

This product is the “bridge” for all vendor critical assess points for ICU, surgical care management, patient education, and clinical care management. Integration Framework acts as a nationally accepted VistA integration component for all third-party vendor products that manage critical care and surgical care units. This product is a combination of HL7 protocols, application user interfaces, and APIs.

DSIH Integration Framework (DSIH.KID) Version DSIH*2.0*31

Originally published October 2020.

Changes:

P31:

- Consolidation of previous patches (14 and 22) containing enhancements and fixes to inbound surgery interface.
- Ability to seed 19673.2 file with anesthesia care time block multiple.
- Ability to handle duplicate acknowledgement message issue. Will no longer generate application acknowledgement unless there is an explicit request in MSH segment (MSH.16) with “AL”.

Integration Framework Monitor Version 2.06

Originally published January 2021.

- Added a Copy button to view HL7 messages form to copy the contents of either the memo or tree-view which is currently displaying to the Windows clipboard.
- Added code to ensure any extra carriage returns in the message are parsed out.

Mental Health Suite (MHS)

MHS is a software tool that facilitates the development of recovery-based Intake Notes and Interdisciplinary Treatment Plans as Progress Notes. The system is integrated within CPRS/VistA, but exists outside of the CPRS/VistA environment accessed from an icon on the user’s desktop.

Mental Health Suite Version 5.0.3.0

- Corrected an issue where the Treating Specialty would change on an Intervention when edited by a user in a different Treating Specialty.
- Changed text on the pop-up when the Cancel or X is clicked on the New/Update Plan dialog.
- Changed the Projected Target Date pop-up to not allow users to bypass.
- Changed text on Select TIU and Visit pop-up for MHA assessments.
- Added bolded labels to the Progress Note functionality for deferred and referred problems.
- Corrected an issue with auto selecting the patient selected in CPRS when MHS opens.
- Disallowed special characters in the Treating Specialty names including double quotes, single quote, less than, greater than and &.
- Corrected an issue when resolved and inactivated items appeared in the active section of the TIU note.
- Corrected an issue where the Summary section was not being included on the TIU note.
- Corrected an issue where a PGOI set would not auto archive is the PGOI in that set had different statuses including resolved and inactivated.
- Correct an issue that would cause a Bug Report to appear when editing an Intervention in the PGOI Database wizard and clicking return then cancel.

- Corrected an issue that would cause duplicate PGOIs when a space was entered before or after the PGOI text.
- Corrected an issue where resolved/inactivated Objectives appear when using the Link option.
- Corrected an issue where only the comments of resolved/inactivated PGOIs would appear in the TIU note.
- Corrected an issue where red arrows would appear next to the PGOIs in a set where you resolved/inactivated items but a full PGOI set remains.
- Corrected an issue where you could not resolve/inactivate a Problem after resolving/inactivating the GOI under that P.

DSIU Mental Health Suite (DSIU.KID) Version 2.0P3

No changes.

PeriOp Manager [in partnership with LiveData]

DSS LiveData PeriOp Manager™ comprises modules that can be leveraged individually or collectively to integrate real-time data with workflow automation. PeriOp Manager synchronizes perioperative workflow throughout the entire perioperative suite to create an optimal care environment for staff and patients alike. Coordinating patient flow, patient care, and related resources from preoperative assessment to discharge in real-time, PeriOp Manager streamlines OR throughput and promotes full compliance with CMS, Joint Commission, and other critical patient safety mandates.

PreOp Board is a dynamic checklist combined with a single real-time operational view of patient status and preoperative case workflow. For each case, PreOp Board displays patient/procedure/staff and OR room readiness, as well as patient care milestones that may include Antibiotic Status, H&P Complete, Consent, Site Marked, Circulator RN Visit, Lab Status, IV Status, Nurse Assessment, Anesthesia Assessment, and Patient Ready for OR.

OR-Schedule Board is a dynamic, real-time view of the day's surgical caseload. It automatically adjusts case start and end times based on real-time case workflow monitoring and provides interactive tools to automate OR assignment and clinical staffing on the fly. Patient Flow™ integrates the patient check-in and check-out process into perioperative workflow enabling patient status to be viewed by PreOp and surgical team members as well as patient families.

Family Waiting Board allows families to track the progress of their loved ones as they move through the perioperative process. Patient location information is displayed on large screen monitors in a HIPAA-compliant manner.

OR-Dashboard with patent-pending Active Time Out integrates patient data from hospital medical records and physiological devices with automated surgical workflow and patient safety processes to display the information on large wall-mounted screens in the OR. Active Time Out integrates and automates the surgical safety checklist into the surgical workflow. Analytics delivers comprehensive data analytics, using big data techniques to transform real-time operational data into actionable quality, compliance, and efficiency intelligence.

DSIHL PeriOp Manager (DSIHL.KID) Version 2.1P1

Originally published January 2021.

- Resolves the issue of phantom acknowledgement issue experienced by some sites where acknowledgments show that they are transmitted when they have not been transmitted. The patch fixes this issue by not overwriting IO variables.
- Ability to configure isolation/precaution orderable items. If an orderable item is added to DSIHL ADDITIONAL I/P (#19670.8011), we will mark patients that have such orderable item as isolation/precaution patients. If this behavior is not desired, the file can simply be left alone.

PeriOp Manager HC 2.2.13

Originally published April 2021.

LiveData PeriOp Manager™

In this release, LiveData added new features designed to address the unique demands of COVID-19. These features help to set and visually indicate whether a patient has tested positive for COVID-19.

- Setting COVID-19 test status in Planner
- COVID-19 badge in OR-Schedule Board
- COVID-19 status in OR-Dashboard OR-Schedule Board and OR-Dashboard now display indicators that show whether the patient has tested positive for COVID-19 or has a test result still pending.
- Updated Return to Surgery functionality so that return to surgery values are written back correctly back to VistA, so that the VistA Return to Surgery report is more accurate.

LiveData PeriOp Planner™

- Updated PeriOp Planner's Audit Log functionality so that removing a Staff member (such as First Assistant, Second Assistant, or Anesthesia Supervisor) from a saved case will be captured in the Audit Log.
- Added a COVID-19 Status field and a Date field to the PeriOp Planner Case Detail form so that schedulers can enter information about the surgical patient's COVID test status.
- Improved error message that displays when an invalid blood type is selected in the PeriOp Planner Case Detail form to provide actionable information for affected sites such as VA-Tampa.
- Standardized the order of the available rooms as displayed in the OR field of the PeriOp Planner Case Detail form to match the order in which they are displayed in Surgery Planner and entered in the Planner database.

LiveData OR-Schedule Board™

- Added COVID-19 status badges to the case bars that display when a patient has tested positive (C+) or is awaiting a result from a test (C?) to indicate whether COVID protocols need to be followed for each case.
- Expanded the list of cancellation reasons available when cancelling a case through OR-Schedule Board to contain the same list of reasons available to choose from in PeriOp Planner.

Family Waiting Board™

Restored the date and time display to the header of Family Waiting Board.

OR-Dashboard™

Added a COVID-19 status field to each case that contains the patient's positive, negative, or pending test status, and the date of the most recent test to indicate whether COVID protocols need to be followed for each case.

Release of Information Plus (ROI Plus)

ROI is a system that allows the Release of Information clerk to track and bill release requests as well as release medical information from the VA VistA database.

Release of Information Manager Version 1.8

Class I Product – Distributed via FORUM. Published June 2020.

No changes.

DSIR ROI Record Manager KIDS Build (DSIR*.KID) Version DSIR_8_2_14.KID

Class I Product – Distributed via FORUM. Published June 2020.

No changes.

Rx-Framework (DSII)

Medication errors have long been identified as a primary source of preventable mistakes made in healthcare. DSS helps providers prevent medication errors with Rx-Framework, a vendor-agnostic solution that integrates seamlessly with VistA and streamlines pharmacy workflows to help VA facilities achieve national patient safety goals related to medication management.

The solution enables VA facilities to easily manage four key automated medication dispensing transactions:

- Inpatient demographic data collection
- Outpatient demographic data collection for patients entered via the VistA scheduling solution.
- Unit dose, IV and inpatient medication for outpatient (IMO) orders
- Automated dispensing system connectivity, including the ability to transmit cart fill/pick list fill requests, pre-exchange fill requests, and missed doses.

Designed to reduce prescribing errors and ensure national patient safety goals can be met, Rx-Framework facilitates the fast and secure transmission of patient data to hospital staff, so the right medications are dispensed at the right time.

DSII Version 1.6*3

No changes.

DSIIA Pyxis Version 1.2

No changes.

DSIIB Omnicell Version 1.4

No changes.

DSIIC Aesynt Version 1.3

No changes.

DSIID Pyxis Logistics Version 1.3

No changes.

DSIIE ScriptPro Version 1.0

No changes.

DSIIK Omnicell IVX Version 1.1

No changes.

TeleCare Record Manager Plus (TRM Plus)

A Telecare triage system that has an embedded knowledge base system (TEDP) that produces clinical recommendations for the user to advise a Veteran as to their current triage status over the telephone and create the corresponding notes in VistA.

Telecare Record Manager (TRM) Plus Version 3.7.2.0

Incorporated the CPRS COVID-19 banner.

Call Log Reporter (CLR) Version 4.7.0.0

No changes.

DSIT TeleCare Record Manager Build (DSIT.KID) Version 3.7*7

Incorporated the CPRS COVID-19 banner.

Telecare Report Service Version 4.7

No changes.

Telecare Biometrics Service Version 1.1

No changes.

Electronic TeleCare Record Manager Plus (eTRM)

Electronic TeleCare Record Manager is designed to provide health care facilities with an intuitive, user-friendly interface for Telephone Triage providers. This Cerner Millennium integrated system collects and maintains documentation created upon receipt of telephone calls from both registered and non-registered patients. For non-registered patients, a TeleCare Note is created documenting the patient's inquiry and the provider's response. For registered patients, the system creates a Progress Note documenting the patient's inquiry and the provider's response.

ETRM is an application that uses Health Level 7 (HL7) and Fast Healthcare Interoperability Resource (FHIR) API technology to allow users to enter and retrieve clinical data within the Cerner Millennium System. The TeleCare Encounter System database is linked to the Cerner Millennium database which stores registered patient information. TeleCare providers may retrieve the patient's chart to review existing information about the patient during the phone conversation. Telephone providers are supplied a list of Facility accepted TeleCare triage responses that may be given to the patient. In addition, for registered patients already in the Cerner Millennium system, the provider may insert pertinent data from other packages such as appointments and medications.

Electronic Telecare Record Manager (eTRM) Version 1.1.1.0

- Added new SQL table to accommodate CCL extract data.
- Re-configure parameters that are required for Millennium Connection (FHIR Version).
- Populate Military ID field when patient is located in ETRM.
- Modify DSITRPC2 to remove unnecessary checks that caused EDIPI to fail.
- Update the token refresh to prevent timeouts with Millennium.
- Remove Encounter Dx from Problem Patient Record.
- Remove PAMPI data filtration.
- Implement Pagination in ETRM
- Display patient chart information: Medications, Labs, Allergies, Radiology, Postings, Problems, Discharge Summaries, Consults, Immunizations, Vitals, Appointments, Orders, and Surgeries.
- Implement Pagination for Creating/Importing Notes.
- Create Notes and Encounters through FHIR.
- Update ETRM UI color scheme to differentiate it from TRMP for FHIR version.
- Add Mailing and NOK addresses from Millennium.
- Add COVID-19 Banner to FHIR eTRM.
- Add FIN NBR from the FHIR-posted encounter to the DFT^P03 message.
- Create additional FHIR call to get encounter FIN number.
- Update Orders List to show Last Updated column.
- Add encrypted Cerner connection info to INI file.
- Remove Millennium Patient Record Start Dates Stamp and Database Start Dates.
- Create Millennium notes via HL7, add Encounter FIN to HL7 (PID 18).

DSIT TeleCare Record Manager Build (DSIT.KID) Version 3.7*8

- Add field 92 to the DSIT TELECARE LOG FILE (#19601.13) and add the kill statement to DSITRPC2 routine.
- Disable CPRS alerts for signers added to Progress Notes.
- Add SECID to the list of identifiers sent in the HL7 messages for user's identification.
- Add functionality to remove merged records from being viewable in the UI.
- Add a new field FINNBR to the file DSIT TELECARE CALL LOG (#19601.13) file to hold the Millennium financial record number. This number will then be included in the HL7 message to create an encounter in the PID.18 field.

TheraDoc

TheraDoc is a clinical decision support tool primarily used by Infection Prevention teams and clinical pharmacists, to assist clinicians with treatment decisions and mitigate patient and hospital risk.

TheraDoc quickly identifies patients who may require immediate intervention, including those whose communicable infections could spread hospital-wide if unidentified and untreated for even short amounts of time.

TheraDoc gives clinicians actionable, evidence-based guidance on patient care decisions, stratifying patient data as events, results or patient conditions change. TheraDoc assists pharmacists with critical lab monitoring, antibiotic stewardship and suggests candidates for medication changes that can decrease patient risk and creates significant financial savings. DSID is the DSS interface that transfers ADT, Lab/Microbiology, Inpatient Pharmacy, BCMA, Radiology, Surgery, Problem List and data from VistA to TheraDoc via HL7 interfaces. Data transfers in real time, as events occur in VistA.

DSID TheraDoc KIDS Build (DSID.KID) Version 2.4P7 and DSIDOP 1.0P1

The DSS TheraDoc DSID interface had two patch releases this quarter, P6 and P7. The main feature included in these patches was the ability to send COVID orders and Accessioning messages from VistA to TheraDoc, in addition to Result messages already being sent. Sites wanted the ability to find instances where COVID testing was ordered, and was not acted upon, or fell through the cracks; thus, creating a potential patient safety concern. Also, if the lab had issues accessioning the sample and the result was delayed, clinicians were interested in tracking this as well. This feature was designed flexibly to be able to add any lab test based on “key word”, to our DSID lab key word index. Our software searches each VA’s lab configuration file and populates any new lab tests based on the key word, *lookup*. This allows us to add new COVID lab tests as they come to market, as well as any other lab or microbiology test that a site may want order and accessioning information on. This has been well received at our sites.

Additional enhancements include, but are not limited to:

- Updates to our HL7 tracking and exception tool.
- Adding refill date and days supply to outpatient medication refills.
- Time to Therapeutic range anticoagulation clinic updates to include next draw date/time, so clinicians can track if a patient taking blood thinners is non-compliant with their mandatory labdraws.

TheraDoc GUI General Release Version 4.9.1.HF2.107

The TheraDoc GUI version update has delivered many new features; this update incremented one full number, and as a result, required a TRM version update. New features include but are not limited to the following: An overhaul on the Interventions panel, allowing clinicians to document their interventions more quickly while providing a more comprehensive data capture of important details, work effort and status of the intervention. Therapeutic antibiotic monitoring alerts (TAM) were revised and updated for empiric therapy references using Johns Hopkins and Sanford recommendations. Outbreak management was enhanced for sites entering medical devices into TheraDoc. Aggregated reports were added targeting State Health Department requirements for daily and weekly counts of COVID-19 cases. A surgical site infection readmit alert was added, for those patients readmitted 30 days after a surgery, often indicating a hospital associated infection event.

Vista Chemotherapy Manager (VCM)

This product automates the chemotherapy ordering process, minimizes the potential for errors and produces legible, complete orders that have been checked for drug-drug interactions, allergies, weight-based dosing, multiple dosing limit checks as well as other patient safety checks. This product uses extracted patient demographics, allergies, pharmacy orders, height, weight data, and lab values from Vista, to create an error free set of chemotherapy orders. This product was developed using the source code from the IntelliDose system; several enhancements have been made that have made Vista Chemotherapy Manager a customized product for the VA.

Note: VCM is a controlled release and not released through FORUM.

DSIQ Vista Chemotherapy Manager (DSIQ.KID) Version 1.8

No changes.

Vista Chemotherapy Manager Version 2.3.9.74

No changes.

VA Chart Complete (VEJDVACC.KID) Version 5.0

No changes.

VA Chart Deficiency Category Management Tool Version 3.1.4

VA Chart Complete (VACC) is an automated, Vista-integrated medical record deficiency tracking and reporting software using the Chart Completion module of Nuance's Clintegrity 360 web-based HIM solution. Clintegrity is also used by the VA for the Encoder Product Suite (EPS) utilizing the Facility Coding and IP Compliance modules.

No changes.

Vista Gateway Version 4.4

Integration Framework

No changes.

MedFlow

No changes.