

SEER*DMS Changes for Version 2

October 2006

New Features in Version 2

- Images of scanned documents may be associated with records and patient sets. This will allow you to view scanned documents within the system (eg, read hand-written text on a report).
- Links were added to the patient set editor's left navigation box. The following changes were made:
 - AFL link was added to provide direct access to AFLs associated with the patient set. (A similar link was added to the record editor.)
 - Cmt link was added. This was simply a cosmetic change in the way that the Comments page is accessed.
 - The label of the link to the Edit Errors page was changed from "EE" to "Edits".
 - The IMG link was added to provide access to image of scanned documents attached to the patient set. (A similar link was added to the record editor).
 - The AL (Audit Log) and FB (Follow-back) links were unchanged.
- Similar links were added to the record editor. For example, you can now check the status of an AFL when you are viewing a casefinding record.
- There is an information icon (a circled "i") displayed next to the record and patient IDs in the worklist, patient lookup, and throughout the system. Click the icon to view key data items in the record or patient set.
- You may now click the score in a Match-Consolidate task to view a description of the match rule that produced that score. (#30535)
- A new interface was implemented for managing and reviewing imports. The new Import Manager allows you to search for records in an import, view the worklist summary for an import, open the original data file that was loaded, and review a list of imports. The Import Manager provides a convenient mechanism for tracking the status of imported data and resolving issues related to newly imported data.
- System Files is a new section in System Administration. It gives you direct access to the XML configuration files actually used by the system. In the past, the XML files were provided in the registry-specific technical reference. The fact that they are in the system ensures that the current XML files are available. Use this feature to get SQL for a system report, view algorithms for matching, importing, edits, etc.

Version 2 Changes that affect Edits

- Enabled previously disabled edits: SEER*Edits IF84 and IF85. (#40262)
- Fixed bugs in SEER*Edits IF40_3 and IF41_3 that applied these edits to 2003+ cases when they shouldn't have been applied. (#40290)
- Fixed a bug in SEER*Edit SEER_IR15 which would not allow the combination of race=99 and Spanish/Hispanic Origin=9. (#40285)

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- Fixed two bugs in SEER*Edit SEER_IR09 and SEER_IR09_3 that caused them to be applied incorrectly. (#40278)

Version 2 Changes that affect Reports and Extracts

- Added a parameter to the NAACCR/SEER extract so that you may exclude non-reportable data (based on SEER reportability).
- A timestamp will be appended to the name of the extract output file if a file with the same name already exists in the file system. (#35294)
- Removed the NCDB extract report from the system. The logic has been implemented in an external Perl script. (#36328)
- RPT-DT001A - Allowed more space for text fields in Health Record printouts.
- RPT-001H - Converted Health Index print report to a generic implementation. (#37286)
- RPT-004A - Inactive users are no longer shown in a role's "View Users" report. (#37070)
- RPT-009A - Widened the Record ID column and changed "Document ID" column header to "Record ID" (#36903)
- RPT-022A - Removed DX Phys/Hosp and Rpt Src columns. (#36045)
- RPT-024A: Added parameters, changed discharge date logic (#37749)
- RPT-037A - Upgraded Performance (#37719)
- RPT-038B - Updated selection logic (#38318)
- RPT-070A - Fixed a typo: changed "Submitted: <date>" to "Imported: <date>" (#36903)
- RPT-075A - Added columns for NAACCR Modified and Casefinding tasks (#32414)
- RPT-075A - Fixed algorithm to count patient set workflow tasks (#32414)
- RPT-081B - New Report Added: Summary of Patient/Record Audit Logs (#37156)
- RPT-089B: Added parameter FACILITY (#37147)
- RPT-001F - Converted supplemental record print to a generic implementation; added field FU Src Cntl. (#36079)
- Changed permissions for reports RPT-061A and RPT-070A from reports_management to reports (change approved by registry staff). (#37153)
- Removed sample report output for RPT-081A and RPT-083A (#37636)
- The report's permission is now displayed on the edit report screen (#34741)
- CFO Frequency Report (RPT-067B) was renamed and is now RPT-DT067B (#37653)
- RPT-064B - Set Patient ID to unformatted to allow display in Excel.
- RPT-061A - This report lists the workflow location of records in a specific import. In previous versions, patient set tasks were not included. Those are now shown. In addition, you do not have to enter a date. You can now select the import using the Import ID and lookup. (#38599)

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- RPT-066A - Added Patient to Patient Matching Report. An optimized query was developed that allows this report to execute in a matter of minutes. Therefore, it can be run at any time and a system task is not required. (#39847)
- A problem was fixed in the NAACCR mart that affected the value of RX Summ Surgery Type (NAACCR Item 1640) in the NAACCR mart and the SEER/NAACCR extracts. SEER*DMS was incorrectly recoding the value of this field from 00 to 09 when date of diagnosis < 1998 and type of reporting source = 6 (autopsy only). The correct value of 00 is now written to the mart and extracts. (#40198)
- Added three fields to the NAACCR mart and the NAACCR extract (EXT-01). Submissibility (ctc_status), SEER Reportability flag, and Local Reportability flag are now written in columns within the State Requestor Items field. The specific location of the fields is noted in the NAACCR mart/extract documentation that is posted on the SEER*DMS portal. (#39941)

Version 2 Changes that affect Editing and Processing of Data

- A lookup (light bulb) for Surgery 03 was added. This allows you to view information derived from Appendix C of the SEER Site-specific Coding Modules when you set surgery primary site. (#36204)
- Lookup (light bulbs) were added to the Collaborative Staging variables on the CTC page. These lookups allow you to review information from the CS manuals when you set fields such as CS Size, Ext, Eval, CS Mets, etc. (#36203)
- The summary TX polisher was corrected so that it now codes Surgery Systemic Sequence to blank if dx year is 2006 or earlier. The polisher had been defaulting surgery/systemic sequence to 0 if there was no value. (#39467)
- Fixed an error related to Census Tract and IF49. In some situations, SEER*DMS was mistakenly building an undisplayed 70/80/90 Census Tract when the 2000 Census Tract was appropriate. The undisplayed census tract was triggering IF49. (#39462 and #39324)
- The CS Version First field is now editable. In previous versions of SEER*DMS, it was read only. The 1st Ver field is displayed in the Collaborative Staging Output section of the CTC page.
- Fixed a bug that generated an exception when deleting a new CTC with linked records (#39525)
- Changed the way some properties are set in the autobuilder for NAACCR abstract, modified, and extended record types. This change affected EOD fields, Histology ICD02, Behavior ICD02, and Conversion Flag ICD02. The autobuild algorithms are provided in the registry-specific technical reference. (#39346)
- Single records can now be rejected from a consolidation without ending the task. (#30599)
- Reviewed auto-consolidation rules and their implementation with registry staff to ensure that auto-consolidation was implemented correctly. Changes were made as necessary. The algorithms are documented in the registry-specific technical reference. (#37826)

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- Fixed a bug where address was not correctly parsed for NAACCR when it was obtained from the supplemental field. (#38180)
- Added the "Country (at DX and Current)" polisher to calculate country based on state code. (#37162)
- Date of Therapy on the summary treatment page is now calculated using the earliest date from the underlying treatments. (#37088)
- When auto-building TXs from NAACCR Abstract or NAACCR Modified records, the scope and surgery dates will be 9-filled when scope and surgery are coded as 9. (#36983)
- An entry is now made in the Patient Set's audit log when a record is linked or unlinked. In the past, this was only tracked in the record's audit log. Note: this change is not retroactive. You will only see this in a patient set's audit log when the record was linked or unlinked using version 2.0 or later. (#36632)
- The sort order of Patient Set comments was modified so that the newer comments are first. This was done to be consistent with the sort order in the audit log. (#37774)
- The Patient Set and Record menus are not auto-displayed when you move your mouse over the arrow. To access the menu, you must click the arrow.
- Added State at Diagnosis checking to the SEER Reportability Polisher to ensure that the polisher is registry specific. (#35518)
- Added a feature to allow you to attach images of scanned documents to Records and Patient Sets.
- Updated the rules for auto consolidating address from supplemental records (#34950)
- The 'Comments' link in the patient editor is shown in bold if there are new comments (#34668)
- Fixed a few minor bugs in health record screening algorithm. A site code of 200XX was supposed to be a valid code but was being deemed as unknown (and triggering a manual task). Also added logic to handle blank codes in histology, behavior, site. It now evaluates ICD-O-3 first, then ICD-O-2 if ICD-O-3 is blank, then ICD-O-1 if other two are blank" (#35445)
- Fixed a problem that was preventing fields in the patient set from being auto-filled when a related field was modified via a lookup. The fields were updated correctly if the related field was modified using the keyboard but not the lookup. For example, census tract was not being updated if an address at diagnosis was modified using a lookup. (#39365)
- HL7 records now use RX_DATE_DX_STG_PROC_ date to fill date of diagnosis during autobuild. (#40203)
- Census tract certainty code now defaults to 9 during autobuild.(#40172)
- When auto-building the record linkage is recorded in the patient audit log(#40164)
- The implementation of Collaborative Staging (CS) was updated to use the latest release from the CS Task Force: CS version 01.03.00.

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- Changed NAACCR Modified workflow path for DX year < 2004 to reduce the number of manual tasks related to these records. All changes were discussed and approved by registry management. (#39868)
- Consolidations can now only be saved if the task is being completed. (#39955)
- Added an additional 9 new override flag edits (#39914).
- Made names auto-consolidation smarter regarding hyphenated names (#39804)
- Made address auto-consolidation smarter (#39791)
- Made date of birth auto-consolidation smarter (#39738)

Version 2 Changes that affect Matching

- Fixed a problem in matches based on Patient ID values. Zero-filled and nine-filled Patient IDs are now treated as if they were missing (null).
- Added perfect match rules which use Patient ID and at least one additional field. In Detroit, 4 rules were added: Pat ID + Last Name, Pat ID + Maiden Name, Pat ID + DOB, Pat ID + SSN. The matching algorithm used for rapid follow-up included matches based on these rules. However, the regular "linkage" match algorithm (dt-linkage.alg.xml) did not include this. During testing, it was determined that perfect match rules which include Patient ID and one additional field should be added to the main matching algorithm. (#39444)
- The matching algorithm for NAACCR Modified records was modified. This algorithm is used to determine if an incoming NAACCR Modified record matches a NAACCR record that is already in the patient set data. If several NAACCR (Abstract or Modified) are found in a patient set for a given NAACCR Modified, the one with the most recent date loaded is considered to be the match (#38149).
- Changed how pre-matching results are interpreted by the importer; a record with more than one perfect match will now be loaded and stop in Supplemental Match

Version 2 Changes to the Worklist

- The method used to determine the Site and DX Year for patient set tasks was changed. Since a patient set may have multiple CTCs, the task's Site and DX Year must be selected from one of those CTCs. Please refer to page 4-2 of the help system for details. (#35958)
- The information icon was added to the worklist. Click the circled "i" next to the record or patient set ID to view the values of key data items.

Version 2 Changes to Imports and Data Entry

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- Added a new field in the Generic Supplemental record layout for follow-up src central (#36079)
- When importing data files through the interface, the value selected for file type is retained after you add a file to the list. If you are adding multiple files of the same type, you do not have to specify a file type each time. (#38485)
- The import-wide comment is now included in the email notifying you of an import's success or failure. You may now use the main import-wide comment field to add notes that apply to all files; use the file-specific comment for notes related only to that file. (#38489)
- Added an Import Manager that allows you to search for records in an import, view a worklist summary for an import, open the original data file that was loaded, review a list of imports.
- Corrected the text of the import email notification. The email had said, "Processing of the import...is complete." That misled users to believe that the records had completed the workflow when only the import processing step was complete. The text was changed to, "Records loaded on 06-28-2006 10:48:27AM have completed the import process. The records are currently being processed in the SEER*DMS workflow." (#37974)
- Added a feature for auto-loading files containing images of scanned documents. Each image file creates an Image Data Entry task that allows a user to enter key data fields. The data fields required for patient matching (demographics) and screening (site, histology) should be entered. Other information will always be available by viewing the image. (#35896)
- A single import ID is now assigned to a batch of autoloader files. In the past, a separate import ID was assigned to each autoloader file. The system now "pauses" when a new file is detected in an autoloader directory. If a set of files are being copied into the folder, the pause allows time for the transfer to complete before the import is initiated. (#34861)
- Fixed the import screen so that the DEA checkbox retains its value when files are added. (#39379)

Version 2 Changes to System Tasks

- Fixed a problem in the implementation of the patient-to-patient matching algorithm. Automated unit tests determined that some of the matching rules were not being applied. In this version, all rules are being executed with a significant increase in execution time. It is recommended that the task be run at COB on Friday until the execution time can be reduced. (38864)
- Added the view_management_tasks. This allows you to access the Tasks section of the System menu and execute system tasks that do not require the system_admin permission. This permission is applied to the Patient to Patient Matching task which does modify data in any way.
- Added the Record Type parameter to the Build CFOs system task. This parameter allows you to select casefinding and HL7 records, only casefinding records, or only HL7 records. (#37376)

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- Removed the Patient-to-Patient Matching task from System tasks. A more efficient algorithm has been implemented which allowed the task to be replaced by a report. See change related to RPT-066A. (#39847)

Version 2 Changes to the Patient Lookup

- An information icon was added to provide you with a quick view of key data items on the record or patient set. Click the circled "i" next to the record or patient set ID.
- When you enter the Patient Lookup or clear the search, the cursor goes to the Last Name field by default. Users reported that they typically search by last name when they enter this page (they enter IDs in the quick "Lookup") and this would prevent them from having to move the cursor each time they start a search. (#32870)
- You can now search for data using Import ID.

Other Changes (Version 2.0)

- Made a change to prevent an exception in the event that two or more facilities have the same FIN. If multiple facilities have the same FIN but only one of those facilities is active, the active facility is used. If there are two or more active facilities with the same FIN, the behavior is the same as if none were found. (#39316)
- Made a change to prevent a system error when a field in the import file is longer than the database field length. For example, name_first in the record table is 14 characters but the DT diagnostic index file layout allowed 25 characters. In version 2.0, an error will not be generated and the field will be truncated. (#39336)
- Fixed a problem in which the back-end execution of reports were not always being cancelled when the Run Report tasks were terminated.
- Added the "Exclude Grouped" filter to the AFL Manger. This was necessary so that the user could create a new group and not consider AFLs that were already assigned to a group. (#36531)
- Added Pref Contact Time to the phone and Fax communication screens (#26429)
- Fixed the padding of disabled buttons to match the padding used for active buttons.
- Unlinked records can now be deleted by users who have the system_administration permission.
- Fixed a memory leak that was reducing system performance. This change should reduce or eliminate the need for restarting SEER*DMS. (Hibernate library has been updated to solve a race condition resulting in a memory leak.)