

NIH Clinical Center CIO Newsletter

February 2008

26th Edition

This is the twenty-sixth edition of a monthly broadcast email to the CRIS user community about CRIS capabilities and issues. In addition to the text version in this email, I've attached a PDF version that can be printed. I look forward to receiving your comments or suggestions at

CIOnewsletter@cc.nih.gov

Topics of the Month

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CIO Remarks

DCRI's focus this year will be to continue the establishment of CRIS as the central one-stop shop for clinical data while making the system increasingly user-friendly. This year we will continue to interface with NIH IC systems such as CRIMSON (see below), CCMD Devices, Point of Care Devices, NHLBI CDS, DTM-Histotrac, DTM Stem-Cell, NHLBI-Viasys II, and Provation. As we add data there is a need to ensure that the access to this data is user-friendly and efficient. Four areas to improve access to patients and patients' data are Patient List, Filtering Test Results, Access to Clinical Documentation and Transcribed Reports and the use of Clinical Summary Views.

Patient List – You can create your own lists following directions on page 13 in the online CRIS Users Manual at

http://cris.cc.nih.gov/procedures/pdf/CRIS_45_User_Manual_05_Patient_Lists.pdf . You can also customize the columns that appear on your patient lists and the order in which they appear by selecting View → Column Selection. Further information can be found in the same chapter of the CRIS Users Manual on page 17. In the near future we will be adding an optional column that will display Isolation type.

Filtering Test Results – If you regularly look at groups of results together, you can create and name your own results filters. You can find directions on how to do this at

<http://cris.cc.nih.gov/cristraining/documents/ResultsFiltersCRIS.pdf>

Access to Clinical Documentation – If you regularly document on specific documents from the document browse, you can create your own Personal Documents filter following these directions http://cris.cc.nih.gov/cristraining/documents/CRIS_45_Add_Personal.pdf

Although you must select a patient to begin this process, your Personal Documents filter is not patient specific. You can set your Document Browse to start with your Personal Documents on the Browse Start Point tab of the Personal Document Entry window. Similarly, if you regularly view specific documents, you can create a personal filter containing those documents. The process is similar to the results filter and can be found here

http://cris.cc.nih.gov/cristraining/documents/CRIS_45_Add_New_%20Document_%20Filter.pdf

You can include reports transcribed from SoftMed in your filter/s as well. Any filters you make are associated with you and will only be available for your use with any patient you can access.

Clinical Summary Views – If you want to view data from several different parts of the electronic chart at one time, a Clinical Summary View can give you a snapshot of the most recent data. Currently there are nine views available. Most are department designed but anyone can use any of them. The Rehabilitation Medicine Department uses their Clinical Summary View as part of their triage process when allocating consult requests. It pulls together recent lab results, vital signs and certain lab results graphs to view results over time, medications, and specific nurse observations. Similarly the Procedure Service on 3SW-N and Imaging Services Special Procedures use the Pre-Procedure Clinical Summary View for a quick chart review and to acquaint themselves with patients scheduled to receive their services. The Nutrition Service pulls nurse and dietitian observations onto their Clinical Summary View to both assess nutrition risk and monitor nutrition services. If you find a Clinical Summary View that meets your needs, you can select it as your default view. With the selected view open, click on Actions → Save Current View as User's Default. If you would like to have another view built, please contact Patty Sengstack via email at psengstack@cc.nih.gov or at 301-496-6576.

CRIS is **Your** system, please use **Your** voice to identify improvement opportunities. Feel free to email me at CIOnewsletter@cc.nih.gov for any suggestions or comment

Pharmacy Project Update

The Department of Clinical Research Informatics (DCRI) is in the final phases of installing a new sophisticated pharmacy computer system. This is a huge project and will require the efforts of our entire staff to complete it over the next few months (March through the end of May). As a result, our ability to handle requests for order sets and non-emergency work in CRIS will be significantly reduced. Projects of any type that are not directly related to the pharmacy computer system project will be evaluated on a case-by-case basis during this time.

CITRIX Update

The Department of Clinical Research Informatics (DCRI) is continuing to upgrade the CC Citrix Farm and move applications to the new web-based web interface (<https://cccasper.cc.nih.gov>).

As noted in previous communications, users may experience problems related to logging into CRIS/SCM through the new web-based CC Casper site that may result in trouble printing and print previewing. The Citrix team has been working to resolve these issues and expects to release improved access. Thank you again for your patience as we attempt to find resolution.

The following applications have been migrated so far:

- CBORD, NDS-R, NUTR Reports, ProNutra
- eSphere
- Softbank, SoftLabMic, SoftPath
- DCRI Application Server
- POIS (SIS)
- Soft Med/ESA
- SCM/CRIS

Upcoming application migrations/implementations in March include:

- Cerner (Radiology)
- Crimson (NIAID application)
- Published Desktop

We are looking for pilot users to test with Citrix "Published Desktop" before we move it to CC Casper. The Citrix Published Desktop provides access to such applications as Microsoft Office (Word, Excel, Outlook, Visio, Project, PowerPoint, etc.), Hospital Services, Admissions, BBD, Building Services, Institute Reports, NCI Census, ORS, etc. If you are interested, please contact Judy Wight at wightj@cc.nih.gov or 301-443-3477.

The Citrix team hosts a weekly briefing to relay what's happening with the CC Citrix Upgrade and to review any workstation, user or Citrix client issues, etc. Technical staff can tune in to find out how to prepare workstations to access the CC Citrix environment and other technical requirements and helpful hints. Please contact Judy Wight to be added to the notification list. Meeting Information: # 866-659-3112 Participant Passcode: 1421556, Thursdays at 2:30 pm. Migration updates and other items of interest are also posted to the public folder CC\Citrix upgrade

Institute Supported Computers: Use “Favorites” to Access CRIS

The upgraded Citrix servers now support web-based access to CRIS when access is from an institute supported, multi-user computer. Therefore, creating a Desktop shortcut by placing a CRIS icon on these computers sometimes creates issues with connectivity. We are recommending that users add <https://cccasper.cc.nih.gov> to their list of favorites for easy access instead of the Desktop icon.

Point of Care Testing

It has been a longstanding goal in the Clinical Center to provide Point of Care Test (POCT) results in CRIS. Next month's activation of the iSTAT utilized by the Department of Anesthesiology and Surgical Services (DASS) will represent a first step in this endeavor. Once the iSTAT device is used to perform a test, the iSTAT is docked into a Central Data Station in DASS which downloads the test results. The test results are sent to a centralized Point of Care server, and then relayed into the DLM ancillary system, and finally into CRIS/SCM. The POCT results will be viewed under the Results tab in CRIS/SCM. They will also be included on the patient's Cumulative Summary Report in the printed Medical Record. Once this pilot Point of Care project has time to stabilize, other Point of Care devices will be added in separate projects so all POCT results can be incorporated into the CRIS electronic medical record.

Patient identification at the Point of Care is critical, as it ensures that the proper patient results are assigned to the correct CRIS patient record. To help facilitate this process, we are including a scannable barcoded MRN on the Admissions label which can be utilized by iSTAT users as well as the users of other medical devices to avoid errors in MRN entry on the device.

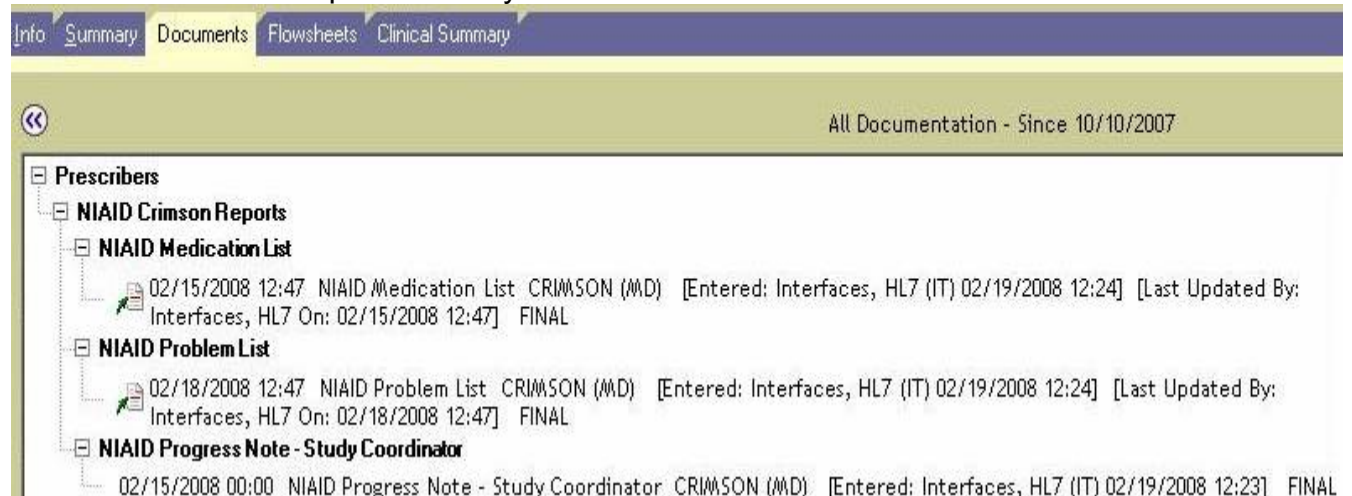
New Urinalysis Test

NIDDK currently offers a manually performed urinalysis study in conjunction with its consults. This CLIA-approved study will be available in the latter half of March as an order in CRIS, known as Urinalysis (Nephrology Consult), and requires prior approval from a Nephrology Consultant. The order will generate a label for the specimen, which is to be delivered to CRC-5SW Day Hospital, Rm. 5-5624 (not DLM). Results from the study will be available on the Results Tab in CRIS. Please call 301-496-8820 with any questions.

CRIMSON/CRIS Interface

A new interface between CRIMSON and CRIS/SCM was activated on Wednesday, February 20, 2008. The interface is a continuation of the effort to automatically bring additional data from other clinical systems into CRIS. This interface enhancement will allow documentation from the CRIMSON system to be viewed under the Documents tab in CRIS, under the Prescriber → NIAID Crimson Reports category and sub-category. Final and signed documents will be pushed from CRIMSON on an hourly basis and will include problem lists, medication lists, and progress notes.

As shown in the screenshot below, this information will be displayed as a single document in CRIS for informational purposes, but will not change any current workflow or patient care processes. Any changes or cancellations to these documents must come directly from the CRIMSON application. If a document has been cancelled in CRIMSON, it will appear crossed out in the document itself (not on the main Documents screen). Additionally, please note that patient demographics in CRIMSON (name, MRN, date of birth, etc.) must match the patient information in SCM to post correctly.



As always, if you have any questions or experience any issues with the new interface, please contact the CRIS Support Desk at **301-496-8400**.

Transcribed Consult Notes in CRIS

As of March 4, 2007 all transcribed consult notes that cross via interface from Soft Med to CRIS can be found under the Document Review Category of **Consults**. This will allow the transcribed consults and the consult reports entered directly into CRIS to be found together. Searching for consult notes where they currently reside (under the Documents tab, review category of Transcribed Reports) has been reported to be difficult since there are multiple types of transcribed reports contained within this category. With this enhancement, users will be able to review consults easily by clicking on the Documents tab, selecting the review category of Consults and then selecting Transcribed Consults.

New CAM and Integrative Medicine Consult

The new Complementary and Alternative Medicine and Integrative Medicine Service Consult is now available in CRIS (as the CAM and Integrative Medicine Consult). For additional information on this new program please visit their website: <http://nccam.nih.gov/consultservice> or call 301-435-6760.

ITC and Conference Room Relocation

The ITC has moved to B1S235. Hours remain the same – Monday to Friday – 9am -12pm & 1pm to 4pm, closed Tuesday 10am to 11am. Please continue to call 301-402-6301 to make an appointment to use the ITC.

The DCRI Conference Room is now located adjacent to the ITC in B1S237. B1S235 and B1S237 are on the B1 level of the Magnuson Center near the exit from Stairwell #7 and adjacent to the Main Elevators #1-4.

FDCC Initiative for the Clinical Center

The Clinical Center's IT support staff are preparing to implement an important Office of Management and Budget (OMB) directive to standardize the configuration of government furnished Windows XP and Vista personal computers. The primary intent of this change is to strengthen Federal IT security by reducing opportunities for hackers to access and exploit government computer systems. The new configuration is referred to as the Federal Desktop Core Configuration (FDCC) and consists of standardizing approximately 300 configuration settings on each computer.

- Your IC IT leadership is prepared to assist you with specific questions - for the CC, contact your desktop support technician. The answers to frequently asked questions have been posted on a web site at: <http://cit.nih.gov/support/faq/fdcc>.
- For newly acquired computers, your local IT support will ensure that the FDCC settings are implemented as soon as the computers are added to the network.
- For existing computers, a draft schedule has been prepared and communicated to department heads. The implementation will occur March through May 2008.
- Staff will need to be identified to test applications with the FDCC settings that are unique to their departments. This will be done prior to implementing the settings to the entire department.

Note: New Office 2007 upgrades and new Vista systems will not be deployed until after the completion of this project to avoid any conflicts.

ProtoType

The Clinical Research Protocol plays a vital role in the description, management, and rationale for the execution of research activity. To help improve procedural efficiency, productivity, and data management and dissemination, ProtoType was created and implemented for use in the NIH community. ProtoType is an assisted protocol authoring tool that is available from any standard web browser, and includes the following features:

- Single Sign-on: Any user with an NIH account can log into ProtoType using their standard credentials
- Customized Documents: Templates can be tailored for individual IRBs
- Version History: Complete history of all versions of the selected protocol, which can be compared against any other version
- Collaboration: Support for full collaboration among investigators (including non-NIH) in every aspect of protocol authoring
- Recommended Language: Language provided from the NIH and ICs for all parts of the protocol to assist with writing
- Reference Management: References from QUOSA Reference Manager and PubMed can be automatically imported into ProtoType
- Image Library: Images can easily be copied, dropped, or uploaded to protocols, which become part of a user's image library for future use in or out of ProtoType
- Word Compatibility: Protocols can be edited using a Word-like web interface, which includes fonts, images, formulas, change tracking, and more – all of which can be exported to Microsoft Word

Improvements to ProtoType continue to meet user requests. Upcoming features include robust formats for the CNS, NIAID, and NIDA IRBs, integration with PTMS, table of contents and page numbering in exports, and other improvements.

Access to ProtoType is simple. Just point your browser to <http://prototype.cc.nih.gov/> and enter your NIH credentials. You can review the online training materials and get started writing protocols immediately. If you have any questions about the system or would like to add non-NIH investigators for collaboration, please contact **Philip Lightfoot** (plightfoot@cc.nih.gov) at 301.496.3343 or **Kim Jarema** (kjarema@cc.nih.gov) at 301.435.2401

New Prescriber Progress Notes

On March 19th, two new progress notes, Progress Note – Neurology and Progress Note – Sickle Cell Transfusion, were added to CRIS. They are found on the Document Browse under Prescribers →Neurology and →Hematology respectively and on the Documents Tab under Prescribers →Progress Notes – Neurology and →Progress Notes – Hematology. In addition, the detailed neurological exam was added to Progress Note – Standard Soap. You can add all or part of the Neurological Exam to your Standard Soap note by selecting the Modify Template button in the upper left hand corner of the screen.

Printing Hold Orders

In discussions with some departments, we have learned that having a requisition print at the time an order is entered for future release (Future Outpt/Pre-Admit session type) helps with workflow processes. We have modified several orders to print in the designated department at the time of Future Outpt/Pre-Admit order entry and again when the order is released. These orders are:

1. Language Interpreter – prints in the Social Work department
2. All Rehabilitation Medicine Orders –print in Rehab Medicine (CRC 1st floor)
3. Safra Family Lodge Request – prints in the Safra Lodge office
4. Ophthalmology Consult – prints in OP 10
5. Audiology Consult – prints in OP 5
6. ENT Consult – prints in OP 5

We understand that some prescribers were entering an active order using the Today Outpt/Current Inpt session type, just so there would be a print out and an appointment could be scheduled. This is no longer necessary. If there are other areas that would benefit from using this process, please contact Patty Sengstack via email at psengstack@cc.nih.gov or at 301-496-6576.

User Training

Spring 2008 CRIS Training

The spring semester for CRIS courses/classes being held for the February 1st through June 30th, 2008 time period is now available for registration. The URL to register for CRIS classes is <http://training.cit.nih.gov/courselst.asp?lname=cris>. If you are unable to find an acceptable date and time for training, the CRIS Open Course is an option that provides additional dates and times for CRIS training.

Also as a reminder to new staff, viewing the appropriate online computer based training (CBT) modules are recommended prior to class; this will shorten your time in class if viewed ahead of time. All CRIS CBT modules are located on the CRIS website: <http://cris.cc.nih.gov/cristraining/cbt.html>.

Don't know what CRIS class to take and how to register? Contact CIT Help Desk at 301-594-6248 or CRIS Support at 301 496-8400 for additional questions or concerns

CRIS Support

A special thanks to all who visited the CRIS Booth outside the second floor cafeteria on February 8, 2008 and shared their very relevant comments and questions. If you would like to have a specific CRIS topic discussed at the next CRIS booth, please contact CRIS Support at 301 496-8400 and ask to speak with a member of the CRIS Training Team.

We look forward to addressing your concerns and questions about CRIS. If you cannot make it and have CRIS questions, feel free to call CRIS Support at (301) 496-8400 for help.