Clinical Case Registries (CCR)
Version 1.5

Release Notes

Documentation Revised April 2012
For Patch ROR*1.5*17

Department of Veterans Affairs

Office of Enterprise Development

Health Data Systems – Registries

THIS PAGE INTENTIONALLY LEFT BLANK

Revision History

Date	Description	Author	Role
April, 2012	Final release for Patch ROR*1.5*17. See Table 1 for Details.	John Sanders Connie Ray Linda Berry Edward Micyus Dan Zaudtke	Project Manager M Developer Software Quality Assurance Analyst Delphi Developer Tech Writer
September, 2011	Final release for Patch ROR*1.5*15. See Table 1 for Details.	John Sanders Connie Ray Linda Berry Edward Micyus Dan Zaudtke	Project Manager M Developer Software Quality Assurance Analyst Delphi Developer Tech Writer
March, 2011	Patch ROR*1.5*14. See *User Manual* for details.	Vida Dunie Angela Saunders Linda Berry Ed Micyus	Tech Writer M Developer Software Quality Assurance Analyst Delphi Developer
September, 2010	Final release for Patch ROR*1.5*13. See *User Manual* for details.	Kenneth Rikard	Project Manager
April, 2010	Final release for Patch ROR*1.5*10: See *User Manual* for details.	Edward Micyus Angela Saunders Linda Berry VJ McDonald	Delphi Developer M Developer Software Quality Assurance Analyst Technical Writer
July, 2009	Patch ROR*1.5*8: See *User Manual* for details.	Kenneth Rikard Edward Micyus Victor Carr Angela Saunders Linda Berry VJ McDonald	Project Manager Delphi Developer M Developer M Developer Software Quality Assurance Analyst Technical Writer
July, 2008	Patch ROR*1.5*7: See *User Manual* for details.	(unknown)	
May, 2008	Patch ROR*1.5*6: See *User Manual* for details.	(unknown)	
March, 2008	Patch ROR*1.5*5: See *User Manual* for details.	(unknown)	
December, 2007	Patch ROR*1.5*4: See *User Manual* for details.	(unknown)	
November, 2007	Patch ROR*1.5*3: See *User Manual* for details.	(unknown)	
October, 2007	Patch ROR*1.5*2: See *User Manual* for details.	(unknown)	
October 2006	Patch ROR*1.5*1: See *User Manual* for details.	Christine Beynon	

Date	Description	Author	Role
February 2006	Completely updated for CCR Version 1.5	Christine Long	
June 2002	Initial release of CCR Version 1.0	(unknown)	

THIS PAGE INTENTIONALLY LEFT BLANK

1.0 Introduction

The Clinical Case Registries (CCR) software application collects data on the population of veterans with certain clinical conditions, namely Hepatitis C and Human Immunodeficiency Virus (HIV) infections.

Data from the registries is used for both clinical and administrative reporting on both a local and national level. Each facility can produce local reports (information related to patients seen in their system). Reports from the national database are used to monitor clinical and administrative trends, including issues related to patient safety, quality of care, and disease evolution across the national population of patients.

The software uses pre-defined selection rules that identify patients with possible Hepatitis C and/or HIV (such as a disease related *International Statistical Classification of Diseases and Related Health Problems*, ninth edition—commonly abbreviated as "ICD-9"— code or a positive result on an antibody test) and adds them to the registry in a pending state. Pending patients are reviewed by the local registry coordinator and if the data confirm the diagnosis, the local registry coordinator confirms the patient in the registry.

Each night a background process transmits a set of predefined data via Health Level 7 (HL7) message to the national CCR database at the Corporate Data Center Operations (CDCO). Data from both the Hepatitis C and HIV registries are aggregated in the same message. If there is more new data than is allowed by the registry parameter for a single CCR HL7 batch message (the current limit is 5 megabytes), the software will send several messages during a single night. The CCR software creates a limited set of database elements to be stored locally in the Veterans Health Information Systems and Technology Architecture (VistA) system, and focuses on assuring that the local listing is complete and accurate, that the desired data elements are extracted, and that data elements are appropriately transmitted to the national database.

The registries at each facility will store selected HIV and Hepatitis C data from 1985 to the present.

CCR provides these key features:

- Automates the development of a local list of patients with evidence of HIV or Hepatitis C infection.
- Automatically transmits patient data from the local registry lists to a national database.
- Provides robust reporting capabilities.

CCR also provides the following functions:

- Facilitates the tracking of patient outcomes relating to treatment.
- Identifies and tracks important trends in treatment response, adverse events, and time on therapy.
- Monitors quality of care using both process and patient outcome measures.

2.0 What's New with ROR*1.5*17

Patch `ROR*1.5*17` includes maintenance and enhancement modifications to version 1.5 of the Clinical Case Registries (CCR) application that correct inherent shortcomings in the existing software and enhance other existing capabilities. `ROR*1.5*17` contains the following enhancements (E), modifications (M) and fixes (F):

Table 1 – Changes for Patch 17

#	Description	Type
1	A new HIV generic drug, `EMTRICI./RILPIVIRINE/TENOFOVIR` (`Complera`) was approved by the Food and Drug Administration (FDA). This new medication has been added to the `ROR GENERIC DRUG` (#799.51) file and can now be selected on reports to provide information about the patients taking the new medication.	E
2	The List of Registry Patients report has been enhanced to allow users to specify an Only Confirmed After date. If the user selects this feature, the **Pending** box will be disabled. This will allow users to generate a list of recently confirmed patients that have been added to the registry after a specific date.	E
3	A new diagnosis group, Post Traumatic Stress Disorder (PTSD), has been added to the common templates. The ICD code for PTSD is 309.81.	E
4	Lab test selection on the Lab Utilization report, the Combined Meds and Labs report, the DAA Lab Monitoring report and the **Edit Site Parameters** option in the GUI has been changed to be case insensitive. For example, if a user enters "zinc" as a search criterion, all test names for "zinc" will be returned regardless of the case of the test name in file #60 (e.g. zinc, Zinc, ZINC, zINC, etc.). This problem was reported in Remedy ticket #215842.	M
5	The text on the **Result Ranges** panel and the report header of the Liver Score by Range report have been modified to provide additional instruction.	M
6	The text on the **Result Ranges** panel and the report header of the Renal Function by Range report have been modified to provide additional instruction.	M
7	A new HepC report, Potential DAA Candidates, has been added to identify patients who may be eligible for the new HepC Direct Acting Anti-Viral(DAA) medications. The user may request a list of HepC patients with treatment histories of 'naive' and/or 'experienced'. Patients who are 'naive' have never taken any registry medications. Patients who are 'experienced' have not received DAA medications but have taken other registry medications. The user may choose to exclude experienced patients who have fills for other registry medications within a specified number of days.	E

#	Description	Type
8	A new HepC report, DAA Lab Monitoring, has been added to monitor laboratory results for patients who have taken DAAs. The user may display the two most recent test results prior to the first DAA fill date as well as selected lab test results for X weeks after the first DAA fill date. The user may also restrict the lab test results after the first DAA fill date to be the most recent. Any registry medications for the patient filled 60 days before the first DAA fill date through today display automatically on the report.	E
9	The preview and printing of the CDC form has been modified to correct the transposition of check box values for the risk factors, **Bisexual male** and the **Intravenous/injection drug user**.	F
10	An installation problem with the CCR help file referenced in Remedy ticket #233500 is corrected.	F
11	This patch brings the Clinical Case Registries (CCR) application into 508 compliance in many areas.	F

Table 2 – Global Updates for Patch ROR*1.5*17

File Name and Number	Update
ROR XML LIST ITEM (#799.1)	New entries "HCV", "HCV_DATE", "STATUS", GT", "FILL_MED", "NAIVE", "EXP", "EXP_DAYS", "TREATMENT_HISTORY", "FILL_DATE", "DATE_RANGE_4", "WEEKS_AFTER", "DAA_FILL", "WKS_LAB", "CONFDT_AFTER", "CONFIRM_AFTER"
ROR REPORT PARAMETERS (#799.34)	New entries "Potential DAA Candidates", "DAA Lab Monitoring", "Pharmacy Prescription Utilization"
ROR GENERIC DRUG (#799.51)	New entries "EMTRICI./RILPIVIRINE/TENOFOVIR"
DIALOG (#.84)	7980000.018 Report options 7981019.001 Liver Report by Range (HTML) 7981020.001 Renal Function by Range (HTML) 7981021.001 Potential DAA Candidates (HTML) 7981021.002 Potential DAA Candidates (CSV) 7981022.001 DAA Lab Monitoring (HTML) 7981022.002 DAA Lab Monitoring (CSV) 7981995.001 Lab data templates (HTML) 7981998.001 CSS and Scripts 7981999.001 Common XSL templates (HTML)

3.0 Obtaining Software and Documentation

The CCR 1.5 software distributives and documentation files are available for downloading from the following Office of Information Field Offices (OIFO) [ANONYMOUS SOFTWARE] directories.

Table 3 – Software and Documentation Sources

OIFO	FTP Address	Directory
Albany	ftp.fo-albany.med.va.gov	ANONYMOUS.SOFTWARE
Hines	ftp.fo-hines.med.va.gov	ANONYMOUS.SOFTWARE
Salt Lake City	ftp.fo-slc.med.va.gov	ANONYMOUS.SOFTWARE

Table 4 – Files Included in Distribution

File Name	Contents	Retrieval Format
ROR1_5P17GUI.ZIP	Zipped GUI distributive	BINARY
ROR1_5P17DOC1.ZIP	Zipped DOC distributive, which includes both .PDF and .DOC formats: ► User Manual (ROR1_5_17UM)	BINARY
ROR1_5P17DOC2.ZIP	► Installation and Implementation Guide (ROR1_5_17IG) ► Technical Manual / Security Guide (ROR1_5_17TM) ► Release Notes (ROR1_5_17RN)	BINARY

Patch ROR*1.5*17 is available in the National Patch Module on FORUM[1] as a PackMan message.

---

[1] FORUM is the VA's national-scale email system. FORUM uses the VistA mail software and provides an excellent interface for threaded messages that can take the form on ongoing discussions. The national patch module is a VistA application that helps developers to manage the numbering, inventory, and release of patches. Patches are developed in response to request submissions and an error reporting request system known as National Online Information Sharing. A process called the Kernel Installation Distribution System (KIDS) is used to roll up patches into text messages that can be sent to sites along with installation instructions. The patch builds are sent as text messages via email, and the recipient (*e.g.,* a site administrator) can run a PackMan function to unpack the KIDS build and install the selected routines.

See http://citeseerx.ist.psu.edu/viewdoc/download?doi=10.1.1.100.5551&rep=rep1&type=pdf

4.0 VistA Documentation on the Intranet

Documentation for this product, including all of the software manuals, is available in the VistA Document Library (VDL). The Clinical Case Registries documentation may be found at http://www.va.gov/vdl/application.asp?appid=126.

For additional information about the CCR, access the CCR Home Page at the following address: http://VistA.med.va.gov/ClinicalSpecialties/CCR/.

Training links and information are also available at http://vaww.VistAu.med.va.gov/VistAu/CCR/.

5.0 Specific Instructions

(See the *CCR Installation and Implementation Guide* for installation instructions.)

6.0 Matching GUI Version to Patch

WARNING If the **GUI** and **VistA** software versions do not match, users may encounter problems with the application. For example, if the site has installed Patch ROR*1.5*17, users' **GUI** installations should also be at Patch level 17. Users can determine the **GUI** version by using the Help | About CCR menu option.
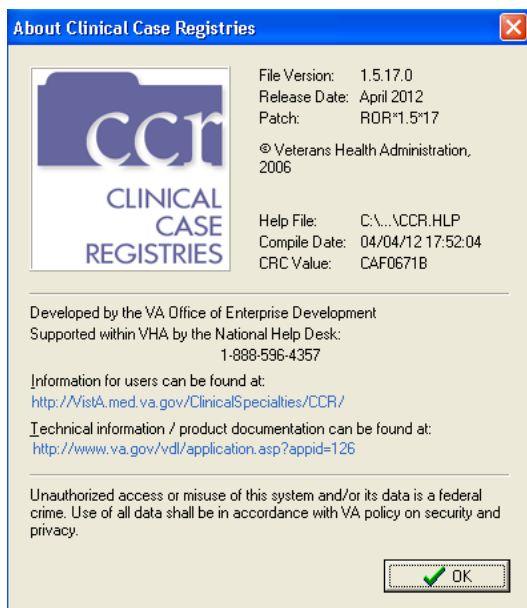

Figure 1 – Help | About Pane

This menu option displays the About Clinical Case Registries pane. It shows basic information about the current file version including the release date, patch number, similar to the screen shown here where the Clinical Case Registries software was developed and the software compile date. Click **[OK]** or press the **< Esc >** key to close the pane.

Since CCR 1.5.10, this window meets current VA GUI Standards and Conventions requirements.

Users may download the latest GUI software as outlined in 3.0 above.

THIS PAGE INTENTIONALLY LEFT BLANK