Clinical Case Registries (CCR)
Version 1.5

Release Notes

January 2017
Patch ROR*1.5*29

Department of Veterans Affairs

Office of Enterprise Development

Health Data Systems – Registries

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Revision History

Date	Description	Author	Role
December, 2016	Final release for Patch ROR*1.5*29. See Table 1 for details.	John Sanders Aaron Giachetti Shawn Quigly Terry Kopp Laura Hilby	Project Manager Harris Project Manager Software QA Analyst M Developer Delphi Developer
May, 2016	Final release for Patch ROR*1.5*28. See Table 1 for details.	John Sanders Terry Kopp Roopa Parvathaneni Edward Micyus	Project Manager M Developer Software QA Analyst Delphi Developer
November, 2015	Final release for Patch ROR*1.5*26. Updated Section 2.0, Table 1, Table 2, Section 3, Table 4, Section 6, Figure 1.	John Sanders Blake Jan Terry Kopp Steve Greenacre Laura Hilby	Project Manager Harris Project Manager M Developer Software Quality Assurance Analyst Delphi Developer
September, 2015	Final release for Patch ROR*1.5*25. See *User Manual* for details.	John Sanders Terry Kopp Edward Micyus	Project Manager M Developer Delphi Developer
April, 2015	Final release for Patch ROR*1.5*27. See *User Manual* for details.	John Sanders Terry Kopp Edward Micyus	Project Manager M Developer Delphi Developer
October, 2014	Final release for Patch ROR*1.5*24. See *User Manual* for details.	John Sanders Terry Kopp Lori Torrance Edward Micyus	Project Manager M Developer Software Quality Assurance Analyst Delphi Developer
August, 2014	Final release for Patch ROR*1.5*22. See *User Manual* for details.	John Sanders Terry Kopp Lori Torrance Edward Micyus	Project Manager M Developer Software Quality Assurance Analyst Delphi Developer
April, 2014	Final release for Patch ROR*1.5*21. See *User Manual* for details.	John Sanders Terry Kopp Lori Torrance	Project Manager M Developer Software Quality Assurance Analyst

Date	Description	Author	Role
		Edward Micyus	Delphi Developer
March, 2013	Final release for Patch ROR*1.5*20. See *User Manual* for details.	John Sanders Connie Ray Steven Baxter Edward Micyus Karen Jocius	Project Manager M Developer Software Quality Assurance Analyst Delphi Developer Tech Writer
August, 2014	Final release for Patch ROR*1.5*19. See *User Manual* for details.	Taraiza Bennett Dave Getman Matt Dill /Ferdi Frankson Brenda Johnson Jeff Swesky Ellen Phelps	VA Project Manager HP Project Manager M Developer Software Quality Assurance Analyst Delphi Developer Tech Writer
August, 2012	Final release for Patch ROR*1.5*18. See *User Manual* for details.	John Sanders Connie Ray Linda Berry Edward Micyus Dan Zaudtke	Project Manager M Developer Software Quality Assurance Analyst Delphi Developer Tech Writer
April, 2012	Final release for Patch ROR*1.5*17. See *User Manual* 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 *User Manual* 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*	Kenneth Rikard	Project Manager

Date	Description	Author	Role
	Manual for details.		
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 VJ McDonald Linda Berry	Project Manager Delphi Developer M Developer M Developer Technical Writer Software Quality Assurance Analyst
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	
February 2006	Completely updated for CCR Version 1.5	Christine Long	
June 2002	Initial release of CCR Version 1.0	(unknown)	

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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 at the local and national level as well as 32 local, generic registries.

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" or *International Statistical Classification of Diseases and Related Health Problems*, tenth edition—commonly abbreviated as "ICD-10"— 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, and the local 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.

1.1 Purpose

These Release Notes cover the new features provided to CCR users in patch ROR*1.5*29.

1.2   Audience

This document targets users and administrators of the CCR product and applies primarily to the changes made between this newest release and previous release packages of the software.

2.0 What's New with ROR*1.5*29

Patch ROR*1.5*29 includes 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*29 contains the following enhancements (E), modifications (M) and fixes (F):

Table 1 – Changes for Patch 29

#	Description	Type
1	An additional selection panel titled "Diagnosis Date Range" will be created for the reports that use Other Diagnoses panel.	E
2	A new Hepatitis A report has been added to identify patients who either had Hepatitis A vaccine or have immunity to the Hepatitis A virus – or to identify patients who have not had the Hepatitis A vaccine and are not immune. It is available to all registries	E
3	A new Hepatitis B report is to identify patients who either had Hepatitis B vaccine or have immunity to the Hepatitis B virus and do not have chronic HBV – or to identify patients who have not had Hepatitis B vaccine and are not immune and do not have chronic HBV. It is available to all registries except the hepatitis B registry	E
4	An additional selection panel titled "Patients" will be created for the Hepatitis A report.	E
5	An additional selection panel titled "Patients" will be created for the Hepatitis B report.	E
6	An additional selection panel titled "Vaccinations Date Range" will be created for the Hepatitis A and Hepatitis B reports.	E
7	An additional selection panel titled "Immunity Date Range" will be created for the Hepatitis A and Hepatitis B reports.	E
8	The version of the CCR software is updated to 1.5.29	E

Table 2 – Global Updates for Patch ROR*1.5*29

File Name and Number	Update
DIALOG (#.84)	*Entries modified:* 7981999.001 Common XSL templates (HTML) 7980000.018 Report options *Entries new:*

File Name and Number	Update
	7981024.001 Hepatitis A Report (HTML) 7981024.002 Hepatitis A Report (CSV) 7981025.001 Hepatitis B Report (HTML) 7981025.002 Hepatitis B Report (CSV)
ROR REGISTRY PARAMETER/S (#798.1)	*Entries modified:* VA ALS VA ALZHEIMERS VA AMPUTATION VA ALZHEIMERS VA AMPUTATION VA APNEA VA BLIND VA BREAST CA VA CHF VA COLORECTAL CANCER VA COPD VA CRD VA CROHNS VA CVD VA DEMENTIA VA DIABETES VA DYSLIPIDEMIA VA HCC VA HEPB VA HEPC VA HIV VA HTN VA IHD VA LUNG CANCER VA MELANOMA VA MENTAL HEALTH

File Name and Number	Update
	VA MULTIPLE SCLEROSIS
	VA OSTEOARTHRITIS
	VA OSTEOPOROSIS
	VA PANCREATIC CANCER
	VA PROSTATE CANCER
	VA RHEUM
	VA THYROID CA
	VA TOTAL HIP
	VA TOTAL KNEE
	VA UC
ROR XML ITEM(#799.31)	*Entries new:*
	DATE_RANGE_5
	DATE_RANGE_6
	DATE_RANGE_7
	HEPAIMM
	HEPBIMM
	NOHEPAIMM
	NOHEPBIMM
	HEPAVAC
	HEPBVAC
	NOHEPAVAC
	NOHEPBVAC
	VAC
	VACCINE
	VACCINES
	VAC_DATE
	VAC_NAME
ROR REPORT PARAMETERS(#799.34)	*Entries new:* Hepatitis A Vaccine or Immunity Hepatitis B Vaccine or Immunity *Entries modified:*

File Name and Number	Update
	BMI by Range
	Clinic Follow Up
	Combined Meds and Labs
	Current Inpatient List
	DAA Lab Monitoring
	General Utilization and Demographics
	Inpatient Utilization
	Lab Utilization
	List of Registry Patients
	Liver Score by Range
	Outpatient Utilization
	Patient Medication History
	Pharmacy Prescription Utilization
	Potential DAA Candidates
	Procedures
	Radiology Utilization
	Registry Lab Tests by Range
	Registry Medications
	Renal Function by Range
	Sustained Virologic Response
	VERA Reimbursement Report

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_5P29GUI.ZIP	Zipped GUI distributive	BINARY
ROR1_5P29DOC1.ZIP	Zipped DOC distributive, which includes both .PDF and .DOCX formats: ► User Manual (ROR1_5_29UM)	BINARY
ROR1_5P29DOC2.ZIP	► Installation and Implementation Guide (ROR1_5_29IG) ► Technical Manual / Security Guide (ROR1_5_29TM) ► Release Notes (ROR1_5_29RN)	BINARY

Patch ROR*1.5*29 is available in the National Patch Module on FORUM[1] as a PackMan message.

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[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*29, users' **GUI** installations should also be at Patch level 29. Users can determine the **GUI** version by using the Help | About CCR menu option.

This menu option displays the About Clinical Case Registries screen. 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.

Figure 1 – Help | About Pane

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