

# Clinical Case Registries (CCR)

Version 1.5



## Release Notes

November 2020  
Patch ROR\*1.5\*37

**Department of Veterans Affairs  
Office of Enterprise Development  
Health Data Systems – Registries**

**THIS PAGE INTENTIONALLY LEFT BLANK**

## Revision History

Date	Description	Author / Role
November, 2020	Final release for Patch ROR*1.5*37. See <a href="#">Table 1</a> for details.	See CCR Redacted document for the list of authors and roles.
May, 2020	Final release for Patch ROR*1.5*36. See <i>User Manual</i> for details.	See CCR Redacted document for the list of authors and roles.
November, 2019	Final release for Patch ROR*1.5*35. See <i>User Manual</i> for details.	See CCR Redacted document for the list of authors and roles.
March, 2019	Final release for Patch ROR*1.5*34. See <i>User Manual</i> for details.	See CCR Redacted document for the list of authors and roles.
July, 2018	Final release for Patch ROR*1.5*33. See <i>User Manual</i> for details.	See CCR Redacted document for the list of authors and roles.
April, 2018	Final release for Patch ROR*1.5*32. See <i>User Manual</i> for details.	See CCR Redacted document for the list of authors and roles.
November, 2017	Final release for Patch ROR*1.5*31. See <i>User Manual</i> for details.	See CCR Redacted document for the list of authors and roles.
May, 2017	Final release for Patch ROR*1.5*30. See <i>User Manual</i> for details.	See CCR Redacted document for the list of authors and roles.
December, 2016	Final release for Patch ROR*1.5*29. See <i>User Manual</i> for details.	See CCR Redacted document for the list of authors and roles.
May, 2016	Final release for Patch ROR*1.5*28. See <i>User Manual</i> for details.	See CCR Redacted document for the list of authors and roles.
November, 2015	Final release for Patch ROR*1.5*26. See <i>User Manual</i> for details.	See CCR Redacted document for the list of authors and roles.
September, 2015	Final release for Patch ROR*1.5*25. See <i>User Manual</i> for details.	See CCR Redacted document for the list of authors and roles.
April, 2015	Final release for Patch ROR*1.5*27. See <i>User Manual</i> for details.	See CCR Redacted document for the list of authors and roles.
October, 2014	Final release for Patch ROR*1.5*24. See <i>User Manual</i> for details.	See CCR Redacted document for the list of authors and roles.
August, 2014	Final release for Patch ROR*1.5*22. See <i>User Manual</i> for details.	See CCR Redacted document for the list of authors and roles.
April, 2014	Final release for Patch ROR*1.5*21. See <i>User Manual</i> for details.	See CCR Redacted document for the list of authors and roles.
March, 2013	Final release for Patch ROR*1.5*20. See <i>User Manual</i> for details.	See CCR Redacted document for the list of authors and roles.
August, 2014	Final release for Patch ROR*1.5*19. See <i>User</i>	See CCR Redacted document for

<b>Date</b>	<b>Description</b>	<b>Author / Role</b>
	<i>Manual</i> for details.	the list of authors and roles.
August, 2012	Final release for Patch ROR*1.5*18. See <i>User Manual</i> for details.	See CCR Redacted document for the list of authors and roles.
April, 2012	Final release for Patch ROR*1.5*17. See <i>User Manual</i> for details.	See CCR Redacted document for the list of authors and roles.
September, 2011	Final release for Patch ROR*1.5*15. See <i>User Manual</i> for details.	See CCR Redacted document for the list of authors and roles.
March, 2011	Patch ROR*1.5*14. See <i>User Manual</i> for details.	See CCR Redacted document for the list of authors and roles.
September, 2010	Final release for Patch ROR*1.5*13. See <i>User Manual</i> for details.	See CCR Redacted document for the list of authors and roles.
April, 2010	Final release for Patch ROR*1.5*10: See <i>User Manual</i> for details.	See CCR Redacted document for the list of authors and roles.
July, 2009	Patch ROR*1.5*8: See <i>User Manual</i> for details.	See CCR Redacted document for the list of authors and roles.
July, 2008	Patch ROR*1.5*7: See <i>User Manual</i> for details.	See CCR Redacted document for the list of authors and roles.
May, 2008	Patch ROR*1.5*6: See <i>User Manual</i> for details.	See CCR Redacted document for the list of authors and roles.
March, 2008	Patch ROR*1.5*5: See <i>User Manual</i> for details.	See CCR Redacted document for the list of authors and roles.
December, 2007	Patch ROR*1.5*4: See <i>User Manual</i> for details.	See CCR Redacted document for the list of authors and roles.
November, 2007	Patch ROR*1.5*3: See <i>User Manual</i> for details.	See CCR Redacted document for the list of authors and roles.
October, 2007	Patch ROR*1.5*2: See <i>User Manual</i> for details.	See CCR Redacted document for the list of authors and roles.
October 2006	Patch ROR*1.5*1: See <i>User Manual</i> for details.	See CCR Redacted document for the list of authors and roles.
February 2006	Completely updated for CCR Version 1.5	See CCR Redacted document for the list of authors and roles.
June 2002	Initial release of CCR Version 1.0	See CCR Redacted document for the list of authors and roles.

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 at the local and national level as well as 51 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).

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 CCRHL7 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 Clinical Case Registries (CCR) users in patch ROR\*1.5\*37.

## 1.2 Audience

This document targets users and administrators of the Clinical Case Registries (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\*37

Patch ROR\*1.5\*37 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\*37 contains the following enhancements (E), modifications (M) and fixes (F):

**Table 1 – Changes for Patch 37**

#	Description	Type
1	Create new Local Registry; Recent Patients. The new local registry will be defined using patient admission and visit dates. It will contain only those patients who have been seen in the previous two years at the facility.	E
2	The VA COVID19 registry which was added with the previous patch, ROR*1.5*36, is modified to check Lab tests for positive test results for certain LOINC values.	E
3	The version of the CCR software is updated to 1.5.37	E

**Table 2 – Global Updates for Patch ROR\*1.5\*37**

File Name and Number	Update
ROR REGISTRY PARAMETERS (#798.1)	<i>Entries New:</i> VA RECENT PATIENTS  <i>Modified entry:</i> VA COVID19
ROR SELECTION RULE (#798.2)	<i>Entries New:</i> VA RECENT PATIENTS PTF (VA RECENT PATIENTS) VA RECENT PATIENTS VISIT (VA RECENT PATIENTS) VA COVID19 LAB (VA COVID19)
ROR LAB SEARCH (#798.9)	<i>Entries New:</i> 34 additional LOINCs added to the VA COVID19 entry.



File Name and Number	Update
ROR LIST ITEM (#799.1)	<p><i>Entries New:</i></p> <p>APRI (VA RECENT PATIENTS)            BMI (VA RECENT PATIENTS)            Creatinine clearance by Cockcroft-Gault (VA RECENT PATIENTS)            eGFR by CKD-EPI (VA RECENT PATIENTS)            eGFR by MDRD (VA RECENT PATIENTS)            FIB-4 (VA RECENT PATIENTS)            MELD (VA RECENT PATIENTS)            MELD-Na (VA RECENT PATIENTS)            Recent Patients Medications (VA RECENT PATIENTS)            Recent Patients Lab Tests (VA RECENT PATIENTS)</p>
ROR METADATA (#799.2)	<p><i>For file 45 PTF</i></p> <p>ADMISSION DATE (VA RECENT PATIENTS)</p> <p><i>For file 9000010 VISIT</i></p> <p>VISIT/ADMIT DATE&amp;TIME (VA RECENT PATIENTS)</p>

### 3.0 Obtaining Software and Documentation

The CCR 1.5 software distributives and documentation files are available for downloading from the following locations.

**Table 3 – Software and Documentation Sources**

Name	Address	Directory
VistA downloads	See CCR Redacted document	SOFTWARE

**Table 4 – Files Included in Distribution**

File Name	Contents	Retrieval Format
ROR1_5P37GUI.ZIP	Zipped GUI distributive	BINARY
ROR1_5P37DOC1.ZIP	<p>Zipped DOC distributive, which includes both .PDF and .DOCX formats:</p> <p>▶ User Manual (ROR1_5_37UM)</p>	BINARY

File Name	Contents	Retrieval Format
ROR1_5P37DOC2.ZIP	<ul style="list-style-type: none"> <li>▶ Installation and Implementation Guide (ROR1_5_37IG)</li> <li>▶ Technical Manual / Security Guide (ROR1_5_37TM)</li> <li>▶ Release Notes (ROR1_5_37RN)</li> </ul>	BINARY

Patch ROR\*1.5\*36 is available in the National Patch Module on FORUM<sup>1</sup> as a PackMan message.

## 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: See **CCR Redacted document**.

## 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\*37, users' **GUI** installations should also be at Patch level 37. Users can determine the **GUI** version by using the Help | About CCR menu option.

---

<sup>1</sup> 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>



**Figure 1 – Help | About Pane**

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.

THIS PAGE INTENTIONALLY LEFT BLANK