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# Computerized Patient Records System CPRS

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## **Abstract**

This paper presents the Computerized Patient Record System (CPRS), that provides a single interface for health care providers to review and update a patients medical record, and to place orders, including medications, special procedures, x-rays, patient care nursing orders, diets, and laboratory tests. CPRS is flexible enough to be implemented in a wide variety of settings for a broad spectrum of health care workers, and provides a consistent, event-driven, Windows-style interface.

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### 1 Introduction

The Computerized Patient Record System (CPRS) is a graphical user interface intended for clinicians in 1997. CPRS provides a single interface for health care providers to review and update a patients medical record, and to place orders, including medications, special procedures, x-rays, patient care nursing orders, diets, and laboratory tests. CPRS is flexible enough to be implemented in a wide variety of settings for a broad spectrum of health care workers, and provides a consistent, event-driven, Windows-style interface.

CPRS organizes and presents all relevant data on a patient in a way that directly supports clinical decision-making. The comprehensive cover sheet displays timely, patient-centric information, including active problems, allergies, current medications, recent laboratory results, vital signs, hospitalization, and outpatient clinic history. This information is displayed immediately when a patient is selected, and provides an accurate overview of the patients current status before clinical interventions are ordered. CPRS capabilities include:

- A Real-Time Order Checking System that alerts clinicians during the ordering session that a possible problem could exist if the order is processed.
- A Notification System that immediately alerts clinicians about clinically significant events.

- A Patient Posting System, displayed on every CPRS screen, that alerts clinicians to issues related specifically to the patient, including crisis notes, warning, adverse reactions, and advance directives
- The Clinical Reminder System, which allows caregivers to track and improve preventive health care for patients and ensure timely clinical interventions are initiated.
- Remote Data View functionality that allows clinicians to view a patients medical history from other VA facilities to ensure the clinician has access to all clinically relevant data available at VA facilities.

## 2 Documentation

Abundant and highly detailed documentation is available for CPRS in the Vista Documentation Library

<http://www.va.gov/vdl/>

These documents are also available it a Git repository at:

<http://code.osehra.org/gitweb?p=VistA-Document-Library.git;a=tree>

Relevant documents include:

### 2.1 Laboratory - Anatomic Pathology

AP Alerts and CPRS Report Changes User Guide

- lab\_lr\_52\_365\_ug.pdf

### 2.2 CPRS - Text Integration Utility (TIU)

- Installation Guide/tiug.pdf
- Quick Reference Card/tiuqr.pdf
- TIU Data Standardization Instruction/tiu\_1\_211instructionguidev3.pdf
- Clinical Coordinator User Manual/tium.pdf
- Generic HL7 Interface Handbook/tiuhl7.pdf
- TIU Line Count (Patch TIU) Release Notes/tiu\_1\_250rn.pdf
- Technical Manual/tiutm.pdf
- Implementation Guide/tiuim.pdf

### 2.3 CPRS - Consult - Request Tracking

- Suicide Hotline Consult Setup/cons3\_p57\_rn.pdf
- Consult - Request Tracking Technical Manual/constm.pdf

- Consult - Result Tracking User Manual/consum.pdf
- Inter-Facility Consults Implementation Guide/consifc.pdf

## 2.4 Computerized Patient Record System (CPRS)

- Remote Data Interoperability (OR - 3.0 - 232) Release Notes/or\_3\_232rn.pdf
- Installation Guide/cprsig.pdf
- CPRS Query Installation - Implementation Guide/or\_30\_153ig.pdf
- CPRS Release Notes - GUI Version Patch OR - 3.0 - 258/or\_3\_258rn.pdf
- CPRS Release Notes - GUI Version OR - 3.0 - 296 (v.27.90)/or\_30\_296rn.pdf
- CPRS Release Notes - GUI Version Patch OR - 3.0 - 277/or\_30\_277rn.pdf
- CPRS GUI Version 27 (Patch OR - 3.0 - 243) and Associated Patches Installation Guide/or\_30\_243ig.pdf
- OR\_3\_332RN.doc/or\_3\_332rn.pdf
- OR - 3.0 - 294 Installation Guide/or\_3\_294ig.pdf
- CPRS Release Notes - GUI Version Patch OR - 3.0 - 235/or\_3\_235rn.pdf
- Setup Guide/cprssetup.pdf
- CPRS GUI 24 - Set Up Notes for Non-VA Medications/or\_30\_190\_set\_up\_notes\_for\_non-va\_meds.pdf
- CPRS Release Notes - GUI Version Patch OR - 3.0 - 304/or\_30\_304rn.pdf
- CPRS Release Notes - GUI Version OR - 3.0 - 215 (v.26)/or\_30\_215rn.pdf
- CPRS Release Notes - GUI Version OR - 3.0 - 195 (v.25)/or\_30\_195rn.pdf
- CPRS Release Notes - GUI Version OR - 3.0 - 243 (v.27)/or\_30\_243rn.pdf
- CPRS Clinician's Getting Started Guide List Manager Version/cprslmum.pdf
- CPRS Release Notes - GUI Version OR - 3.0 - 280 (v.28)/or\_30\_280rn.pdf
- CPRS Release Notes - GUI Version Patch OR - 3.0 - 231/or\_30\_231rn.pdf
- CPRS Read-Only User Guide/cprsguium\_ro.pdf
- CPRS-VBECS Interface (OR - 3.0 - 212) Release Notes/or\_3\_212rn.pdf
- CPRS Patch OR - 3.0 - 296 (CPRS GUI v.27.90) and Associated Patches Installation Guide/or\_30\_296ig.pdf
- CPRS-VBECS Interface Follow-Up Fixes (OR - 3.0 - 309) Release Notes/or\_3\_309rn.pdf
- CPRS Technical Manual - GUI Version/cprsguitm.pdf

- CPRS User Guide - GUI Version/cprsguium.pdf
- CPRS GUI Version 28 (Patch OR - 3 - 280) and Associated Patches Installation Guide/or\_30\_280ig.pdf
- CPRS Release Notes - GUI Version Patch OR - 3.0 - 252/or\_3\_252rn.pdf
- CPRS Technical Manual/cprslmtm.pdf
- CPRS Release Notes - GUI Version Patch OR - 3.0 - 270/or\_30\_270rn.pdf
- CPRS Release Notes - GUI Version OR - 3.0 - 190 (v.24)/or\_30\_190rn.pdf
- CPRS Query User Manual/or\_30\_153um.pdf

## 2.5 CPRS - Adverse Reaction Tracking (ART)

- Installation Guide/allr4\_ig.pdf
- ART Patch 23 Release Notes/gmra\_4\_23\_rn.pdf
- Patch 20 Release Notes/gmra\_4\_20\_rn.pdf
- ART Patch 26 Release Notes/gmra\_4\_26\_rn.pdf
- Technical Manual/allr4\_tm.pdf
- User Manual/gmra\_4\_um.pdf

## 2.6 Pharm

- Data Management (PDM)/1.0/Release Notes (CPRS V27 Project)/psj\_5\_pso\_7\_pss\_1\_rn.pdf
- Outpatient Pharmacy/7.0/Release Notes - CPRS V27 Project/psj\_5\_pso\_7\_pss\_1\_rn.pdf
- Inpatient Medications/5.0/Release Notes (CPRS V27 Project)/psj\_5\_pso\_7\_pss\_1\_rn.pdf

## 2.7 CPRS - Authorization Subscription Utility (ASU)

- Show User Class Name in ASU Options USR - 1 - 33/usr\_1\_33rn.pdf
- Clinical Coordinator Manual/asuum.pdf
- Technical Manual/asuttm.pdf

## 2.8 CPRS - Clinical Reminders

- Clinical Reminders Manager's Manual/pxrm\_2\_mm.pdf
- Clinical Reminders Index Global Technical Manual/pxrm\_1\_5\_12\_tm.pdf
- Clinical Reminders Patch 6 Release Notes/pxrm\_2\_6\_rn.pdf
- Clinical Reminders Patch 12 (Index Global) Install Guide/pxrm\_1\_5\_12\_ig.pdf
- Clinical Reminders Patch 6 User Manual/pxrm\_2\_6\_um.pdf
- Iraq Afghan Post-Deployment Screen Reminder Setup Guide/pxrm\_1\_5\_21\_setup.pdf
- Clinical Reminders Patch 12 Release Notes/pxrm\_2\_12\_rn.pdf
- Clinical Reminders Clinician Guide/pxrm\_2\_4\_um.pdf
- TBI - Polytrauma Plan of Care Template Install and Setup Guide/pxrm\_2\_15\_ig.pdf
- Clinical Reminders Technical Manual/pxrm\_2\_4\_tm.pdf
- OEF - OIF (Patch 5) Setup Guide/pxrm\_2\_5\_sg.pdf
- Clinical Reminders Patch 17-Polytrauma Marker Project Installation and Setup Guide/pxrm\_2\_17\_ig.pdf
- IHD-QUERI Reminders and Dialogs Installation and Setup Guide/pxrmig-p8.pdf
- WVH Reminders Installation and Setup Guide/pxrm\_2\_1\_ig.pdf
- Clinician Guide Appendix D - GEC Reports/pxrm\_2\_2\_um\_appd.pdf
- TBI Screening Reminder Installation and Setup Guide/pxrm\_2\_8\_ig.pdf
- Clinical Reminders Patch 11 Install and Setup Guide/pxrm\_2\_11\_ig.pdf
- Clinical Reminders Patch 6 Installation and Setup Guide/pxrm\_2\_6\_ig.pdf
- Clinical Reminders V. 2.0 Setup Guide/pxrm\_2\_sg.pdf
- Clinical Reminders Patch 12 Install Guide/pxrm\_2\_12\_ig.pdf
- VANOD Skin Assessment Templates Install Guide/pxrm\_2\_10\_ig.pdf
- Clinical Reminders Patch 4 Release Notes/pxrm\_2\_4\_rn.pdf

## 2.9 CPRS - Health Summary

- Health Summary Technical Manual/hsum2\_7\_tm.pdf
- Installation Guide Release Notes/hsinst2.pdf
- Medication Worksheet (Tool 2)/gmts\_2\_7\_p92\_pso\_7\_p316\_ig.pdf
- Health Summary User Manual/hsum\_2\_7\_um.pdf

- Health Summary User Manual (patch 88)/hsum\_2\_7\_88\_um.pdf
- Health Summary Technical Manual (patch 88)/hsum\_2\_7\_88\_tm.pdf