



CRISP InContext Release Notes

V2.20.0

November 9, 2021

New Feature:

- DC – Using InContext: Primarily for DC users logging in through the new portal.

Updates:

- Displaying new column titled 'Provider' to 'Health Records' subtab and additional data/information sent in Observations

Bug Fixes:

- Close dialog button working appropriately on multiple clicks
 - Close dialog button appearing appropriately on the Structured Documents subtab
 - Maternity Health filter appearing appropriately for patients
 - Adding a dialog title to Assessments dialog box
 - Error maintenance:
 - Redundant tracking for the Social Needs Data – 'Assessments' subtab
 - Add null checking to logging function for LogNearMatchEid
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V2.19.0

October 6, 2021

Updates:

- Backend changes for users with access to view the DC PDMP Report
 - Error maintenance:
 - Patient not found scenarios
 - Logs for PDFs downloaded
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V2.18.0

September 14, 2021



New Features:

- Addition of the new **'Conditions'** subtab in the 'Social Needs Data' tab
 - Conditions provides a list of social needs related ICD-10 codes (Z55-65) the patient has received. This list may be sourced from multiple locations, including EHR assessment section, problem list, claims, or other sources.
- 'Download PDF' Icon
 - Users can now download PDF versions of documents viewable in the app.
 - For this release, the 'Download PDF' icon has been implemented for documents viewed in the **'Structured Documents'** subtab in the Clinical Data tab

Updates:

- Addition of classCode to display Progress Notes documents in the 'Structured Documents' subtab in the Clinical Data tab
- 'Matched Patients' tooltip added to patient list page to give users a better understanding as to why they're being presented multiple patient cards when launching the app
- InContext AppService upgraded to .NET Core 3.1

V2.17.0

August 9, 2021

Updates:

- Care Coordination
 - Care Team: Substance Use Disorder (SUD) redisclosure language updated
- Medication Management:
 - PDMP: DC PDMP Report will only be queried when a user clicks on the icon [no longer on the launch]
- Cerner embeddable JS & CSS libraries updated to v1.4.0

V2.16.0

June 29, 2021

New Features:

- Addition of the **'Imaging Worklist'** icon to the Health Records subtab of the Clinical Data tab.



- Imaging Worklist allows users to compare images across multiple locations. Patient images from CRISP participating sites dating back to 01/01/2000 are available through CRISPs Imaging Worklist. In addition, up to four imaging studies can be selected, viewed, and compared at the same time.

Transfer-to-PACS (TTP) allows users to download prior external images into a local PCAS via a sub-tab within the Imaging Worklist tab. The TTP tab is role based and only made available after an organization's leadership team has determined it and any users, reasonable or required to have it.

- **Organizing Encounters by data type**

- The **'Encounters'** subtab will now display 3 sub-sub tabs. Below are data values and types to be displayed in the app:
 - **All**
 - Data Values: Date, Source, Patient Class, and Discharge Disposition
 - Data Types: Inpatient, Emergency, Ambulatory, Pre-Admission, and Emergency Medical Services
 - **Hospital**
 - Data Values: Date, Source, Patient Class, Discharge Diagnosis, Admit Reason, Discharge
 - Data Types: Inpatient, Emergency, and Pre-Admission
 - **Outpatient**
 - Data Values: Date, Source, Patient Class, Diagnosis Code, and Discharge Disposition
 - Data Types: Ambulatory
- Things to keep in mind:
 - In the mobile/narrow view, only the 'Hospital' sub-sub tab will have Date, Source, Patient Class, and Discharge Diagnosis data columns present. All other data pieces will be collapsible.

V2.15.0

May 25, 2021

New Feature:

- Addition of the new **'Social Needs Data'** tab and **'Assessments'** subtab
 - Assessments provides questions and patient responses to structured social determinant of health questionnaires. Abnormal responses and social domains



are defined by the source. Questions and answers with calculated fields are not flagged as normal/abnormal.

V2.14.0

March 16, 2021

New Features:

- Addition of the **'Next of Kin'** data in the Demographics section
 - The Next of Kin will display the patient's nearest relative or relatives and their contact information.
- Disclaimer in **'Care Team'** about SUD Consent Disclosure
 - Under Part 2, disclosures made with patient consent must be accompanied by a statement notifying the recipient that Part 2 redisclosure is prohibited.
 - There will be an Orange Information Icon next to any Substance Use Disorder Care Team data with a link to the regulations.

V2.13.0

March 2, 2021

New Features:

- Addition of the **'Structured Documents'** subtab in the Clinical Data tab
 - Structured Documents are Continuity of Care Documents (CCD), which contain sections to help healthcare professionals understand a patient's continuation of care. The subtab lists documents from multiple CCD repositories, including HealthShare, WVU Medicine, CareQuality, eHealth, DHIN, and Florida.
 - Data values for Structured Documents:
 - Date
 - Source
 - Title
 - Type
 - Size (KB)
 - Things to keep in mind:



- There will be a long wait time when requesting a document initially. The wait time will depend on the size of the document and some backend factors.
 - The app caches the document opened per session, so if that document reopens within the same session, it will be a near-immediate load (no wait time).
- Addition of the **'Immunizations'** subtab in the Clinical Data tab
 - Immunizations provides a patient's available immunization history from the relevant state's Immunization Information System (IIS)
 - Data values for Immunizations:
 - Administered Date
 - Vaccine
 - Dosage
 - Administered Location
 - Source (IMMUNET or WVSIIIS)
 - Expiration Date
 - Status

V2.12.0

December 22, 2020

Bug Fixes:

- IE10/11 fixes
 - Header and Description for Health Record documents wrap to fit the end of a page – does not go off the screen anymore.
 - Eliminated an extra outer vertical scrollbar in the narrow/mobile view in all data tables.
 - The dropdown Filter menu/options completely clickable. Users can now click the text itself or the entire row to select a filter.
- Launching the InContext app will no longer display/flash "Your organization has not been configured" error message before loading the possible patient options.

V2.11.0



October 20, 2020

New Features:

- Addition of the **'Advisories'** subtab in the Medication Management tab
 - Users will land on this subtab now instead of the PDMP
 - Advisories are set of four key metrics on the prescriptions of an individual patient over the last 90 days, allowing providers to quickly identify when patients may be at increased risk of overdose
- Addition of the **'View PDMP'** button in the Advisories subtab
 - This will take users to the PDMP subtab

Changes/Updates:

- Renamed **'Patient Advisories'** to **'Clinical Alerts'**
 - No changes to the data displayed
- Repositioned the **'PDMP'** subtab
 - This is now the second subtab (used to be first) in the Medication Management tab

V2.10.0

September 10, 2020

Version 2.10.0 includes various backend changes such as adding automated unit tests to all the app resources to check if things are working as expected every time, we change our code. This will greatly reduce the time we would spend on debugging. This version also includes logging the EHR type (Epic, Cerner, Athena, eCW, etc.) in our Launch Context.

V2.9.0

August 6, 2020

This version of the app includes the following Medication Management UI updates:



CRISP

- Addition of the **Query Additional States** filter in the PDMP table. This feature allows users to request PDMP data from connected states outside Maryland. This feature is available for Maryland providers only with appropriate license numbers.
- Addition of the **DC PDMP Report** icon in the PDMP table. The Narx Report includes a patient's NarxScores, Predictive Risk Scores, Additional Risk Indicators, RxGraph, and PDMP Data. This feature is available for DC providers with appropriate license numbers.

V2.8.0

June 11, 2020

This version of the app includes a redesign of the Care Team table in the Clinical Coordination tab. It now has several columns providing users with more information. There is also an 'information icon' next to the provider that indicates there is additional provider information (provider phone number and email).

V2.7.0

June 05, 2020

In addition to backend changes, version 2.7.0 includes a new Health Records filter called "Enterprise Filtering." Enterprise filtering will allow users to filter for all the sources/facilities grouped by its hospital system (i.e., you can filter for "UMMS" and see data for all the UMMS facilities – UMMS_UMMC, UMMS_ABCD, etc.) The app will also omit the patient list screen and take users straight to the patient record if only one patient is returned upon launch.

V2.6.0

March 31, 2020

This version includes several backend changes, but you will see some UI updates that include branding the app. The work "CRISP" has been replaced with "HIE" in all relevant places. This was done to broaden the perspective of the InContext App users as we integrate with other



HIEs. A new Child Development Care Alert known as Developmental Delay Care Alert (DCA) has been added in the Care Alerts section. The alert will be triggered and displayed based on the patient's diagnostic codes, specifically for the ages of 0-18.

V2.5.0

March 24, 2020

Version 2.5.0 includes various UI updates. The app adheres to the FHIR specification match grades providing a new language for Patient Match Scores (Certain, Probable, and Possible). It also includes a new column in the PDMP table for MME (Morphine Milligram Equivalent). To give users a bit more room in the sidebar view, we have removed the "Category" column in Health Records by default. If you would like to turn it back on, click the "View Columns" icon and check off "Category." Lastly, all tables with dates now include the ability to filter by a date range. This can be accessed through the filter box.

V2.4.0

March 3, 2020

In addition to backend changes, version 2.4.0 includes a bug fix that resolves the app's error handling for launch scenarios. If the app launches with insufficient demographics (patFirstName and patLastName ONLY), it will return a "Patient Not Found."

V2.3.0

February 20, 2020

In addition to backend changes, version 2.3.0 includes moving the camera icon for Image Availability to the left column, adding the ability to open the Image by clicking the camera icon, and renaming the Administrative Data tab to "Data from Claims".



V2.2.1

February 13, 2020

Version 2.2.1 includes various backend changes. It also includes logging changes to track user's screen size, and the ability to hide the patient name when a user collapses the demographic section.

V2.1.0

January 16, 2020

Version 2.1.0 includes several bug fixes that resolve scroll bar issues and an issue with the table footer. This release also includes the addition of the Health Records Category buttons.

V2.0.1

December 30, 2019

Version 2.0.1 has a few small fixes, including increasing the default page size in tables, reducing whitespace in table rows, fixing an issue where the demographic section is cut off in certain screen sizes, and adding more logging.

V2.0.0

December 18, 2019

CRISP InContext version 2.0.0 features an entirely new UI, including a new way to organize all of the data that the CRISP App presents. Data will be organized into 4 new sections: Medication Management, Clinical Data, Care Coordination, and Administrative Data. The new UI includes improved data tables with more searching, filtering, and sorting capabilities, as well as a new way to alert the provider of patient "Alerts" such as Overdose and Infection Control notifications.



v1.21.0

October 8, 2019

V1.21.0 includes a small fix to allow the App to work in Cerner mpages, this includes adding a polyfill to the launch.js file.

v1.20.0

September 26, 2019

CRISP InContext v1.20.0 includes some internal logging updates to track which tabs and filters users are clicking on. This will give us better insights into which data is most important to our users, and allow us to make smarter decisions on UI design.

v1.19.0

September 12, 2019

CRISP InContext v1.19.0 allows for launching the app via SAML so that providers can SSO from their EHR - this will be piloted by an Athena. Both the feature and the logging are included in v1.19.0.

v1.18.0

August 22, 2019

Version 1.18.0 includes a new filter in Health Records called "Maternal Health". This filter will pull back all LABs/RADs/TRNs with Maternal Health data from the past 12 months.



v1.17.0

August 8, 2019

Version 1.17.0 includes several small UI updates, including the ability to sort the PDMP and Health Records tables by column header. This version also includes the groundwork for displaying claims data in a new tab.

v1.16.0

July 25, 2019

Version 1.16.0 includes several small UI updates, including freezing the header rows in the PDMP tab (full view only), updating the Overdose tab indicators, removing tab numbers, and updating the NearMatch font colors and sizes to adhere to WCAG accessibility guidelines.

v1.15.0

July 2, 2019

CRISP InContext version 1.15.0 includes minor bug fixes, including a fix which resolves an issue where abnormal flags were showing on normal results.

v1.14.0

June 13, 2019

Version 1.14.0 includes various enhancements to the app including a filter on the Health Records tab and a new loading animation on startup. There is also a new feature which will



direct the user to the NearMatch patient list even if there is only one match. This version also includes bug fixes to the Care Management date field and NearMatch address fields.

v1.13.0

May 28, 2019

InContext App now supports the ability to enable/disable the voting feature present on Care Alerts. As InContext has undergone many changes, the voting feature has become out dated, and has been known for causing an error to appear in the "Error" tab of the InContext App. For the time being, this feature will be disabled until we can re-work the Feedback/Voting microservice, and determine if it will be re-implemented back into the InContext App.

v1.12.0

May 16, 2019

Updates added to send ProfessionalLicenseNumber (Pharmacist License) to the SSO call to ULP. This allows InContext users that have launched the App with Pharmacist License ONLY to also navigate to ULP through the "CRISP Portal" button.

v1.11.0

May 7, 2019

ProfessionalLicenseNumber (Pharmacist License) added as a new variable for user identification with PDMP Authentication.

v1.10.2

April 19, 2019

Version 1.10.2 of the InContext App contains an adjustment to the NearMatch MinScore in order to allow someone to still get back patient information, despite using limited demographics.



v1.10.0

March 12, 2019

Version 1.10.0 of the InContext App provides users with the ability to query CRISP InContext, receive Near Matches, make a selection and then view the selected Patients Data within CRISP InContext.

v1.9.0

January 29, 2019

Version 1.9.0 of the InContext App provides users with the ability to view Labs, Rads, and Transcription reports within the InContext UI. The list of DiagnosticReports for the patient can be found on the new "Reports" tab. Each record will have a document icon, which opens a viewing window (in the existing window), providing additional details about the report as well as any data elements from referenced resources belonging to the parent DiagnosticReport (such as Observations and Specimens). The new "Detailed" view also displays abnormal flag indicators when present. While the ImagingStudy microservice is still in development, this version of InContext App lays the groundwork for displaying ImagingStudy resources within the UI.

v1.8.0

December 18, 2018

This release includes a new SSO button titled "CRISP Portal". Upon clicking this button, a new tab will open and the user will automatically be signed into ULP, and presented with the patient being viewed via the InContext App. Additional bug fixes also made to improve the stability of the app.

v1.7.2

November 20, 2018

This hotfix is in response to user feedback, as some clients were unable to launch the InContext App successfully without providing username + 1 additional license code parameter (DEA/CDS/NPI). Clients can now launch the InContext App passing only username, and will be presented with Alerts + PDMP/PMPi (if authorized).



v1.7.0

September 13, 2018

InContext can now display PMPi data and has an added UI feature to give the user the ability to show/hide the data, as well as visual indicators of the # of Rx records returned by each state.

Flag Alerts are now a clickable object and clicking on each alert will toggle the full text of the flag alert.

v1.5.0

June 12, 2018

Added updates to allow launching from the Cerner environment.

v1.4.0

April 24, 2018

Improved Logging (for internal use only).

v1.3.1

April 12, 2018

Bug Fixes.

v1.3.0

March 27, 2018



CRISP

The new CRISP InContext app is available for download by EPIC hospitals. Recent updates allow users to present PDMP and clinical data within the sidebar of their EMR without obscuring their routine EMR workflow!

v1.2.0

March 14, 2018

The new CRISP InContext app is available for download by EPIC hospitals. Currently, the app covers a variety of horizontal views. With this release, a vertical view will allow for more easy-flow designs within an EMR.

v1.0.0

February 14, 2018

Initial Release of the CRISP InContext App. CRISP InContext is a cloud-hosted service which presents CRISP information within the context of a user's workflow. The service incorporates information from all of CRISP's major systems and some external data sources. A series of API calls are used to orchestrate the requested information, log access, and pass it back to the requester.