eRAD RIS

RELEASE ANNOUNCEMENT

Build 4.2025.006

UPDATED JANUARY 22, 2025

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PUBLICATION HISTORY

Revision	Author	Description
January 22, 2025	Kevin Brooks, Michelle Mahabir / Hilary Saltmarsh	▪ Commercial release.

SUMMARY

Release Announcement

This release of ᴇRAD RIS 4.2025.006 updates CURES to CMS125v12 and adds support for managing and accessing Decision Support Interventions (DSI) extensions via MeldRX, ensuring compliance with CURES (b)(11) guidelines.

New Features

This release introduces the following features and enhancements:

Category	Redmine #	Subject	Description
CURES	35964	CURES – B11 criterion for Decision Support Interventions (DSI)	This enhancement to CURES adds support for managing and accessing Decision Support Interventions (DSI) extensions by integrating eRAD RIS with Darena Solutions MeldRX, ensuring compliance with the new CURES (b)(11) Decision Support Interventions (DSI) criteria.
CURES	36329	Updates to support CMS125v12	This enhancement to CURES updates support to CMS125v12 to ensure compliance with current clinical guidelines and reporting requirements.

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Refer to the Fᴇᴀᴛᴜʀᴇ Dᴇᴛᴀɪʟs section below for configuration and usage information.
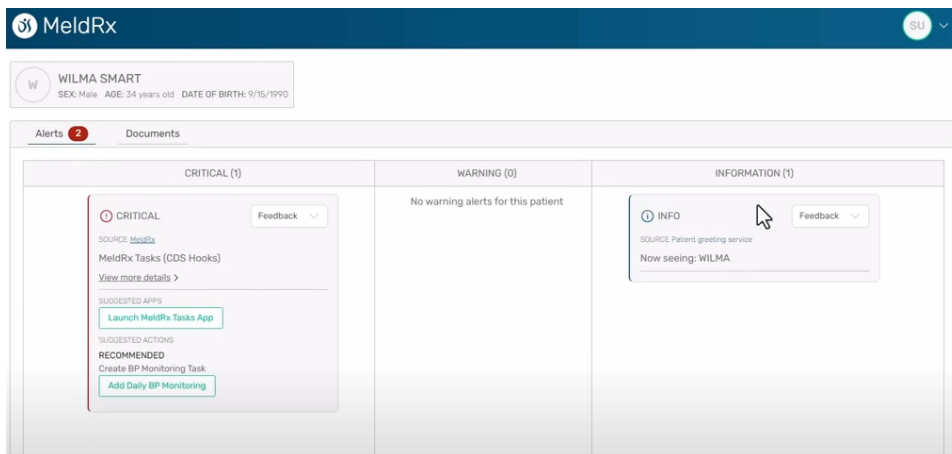
FEATURE DETAILS

CURES

Feature #35964 – CURES – B11 criterion for Decision Support Interventions (DSI)

Summary

This enhancement to CURES adds support for managing and accessing Decision Support Interventions (DSI) extensions by integrating ERAD RIS with DARENA SOLUTIONS MELDRX, ensuring compliance with the new CURES (b)(11) Decision Support Interventions (DSI) criteria.

THE PATIENT'S RECORD WILL APPEAR IN A MELDRX BROWSER WINDOW.

Background

CURES 170.315(b)(11) introduces a new Decision Support Intervention requirement.

About the HTI-1 B11 Criterion

https://www.healthit.gov/test-method/decision-support-interventions#RegulationText

The new Decision Support Intervention (DSI) requirement in **CURES 170.315(b)(11)** is about making healthcare tools that provide "AI generated" recommendations to doctors and clinicians, more **transparent** and **trustworthy**.

It ensures that any technology helping with medical decisions, like predicting health risks or suggesting treatments, clearly shows:

- **How it works** (like what data it uses and how decisions are made).
- **Who made it** (developers and funding sources).
- **Any risks or limits** (so clinicians know when it might not be accurate or fair).

The goal is to make these tools safer, reduce bias, and help clinicians and patients trust the advice these tools give, knowing they're based on solid evidence or fair algorithms. It's about improving care without hidden "black box" systems.

About DSIs

Decision Support Interventions (DSI) are tools or systems that assist healthcare providers in making clinical decisions by providing actionable insights.

There are two types of DSI:

- **Evidence-based DSI** relies on predefined clinical guidelines and research, providing static recommendations without adapting or learning from new data.
- **Predictive DSI** uses machine learning to forecast patient outcomes based on historical data patterns. Some Predictive DSIs utilize machine learning algorithms to improve as more data is analyzed.
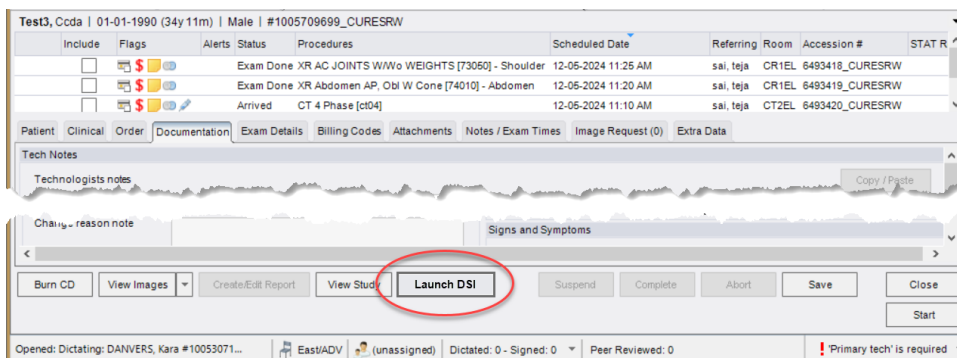
Feature Description

With this change, RIS has partnered with Darena Solutions to provide this functionality via their MeldRx (formerly BlueButtonPro) solution.

For a general demonstration of this functionality, review the Darena Solutions THREE (B)(11) EHR INTEGRATION OPTIONS video (from 2:30 to 3:30):

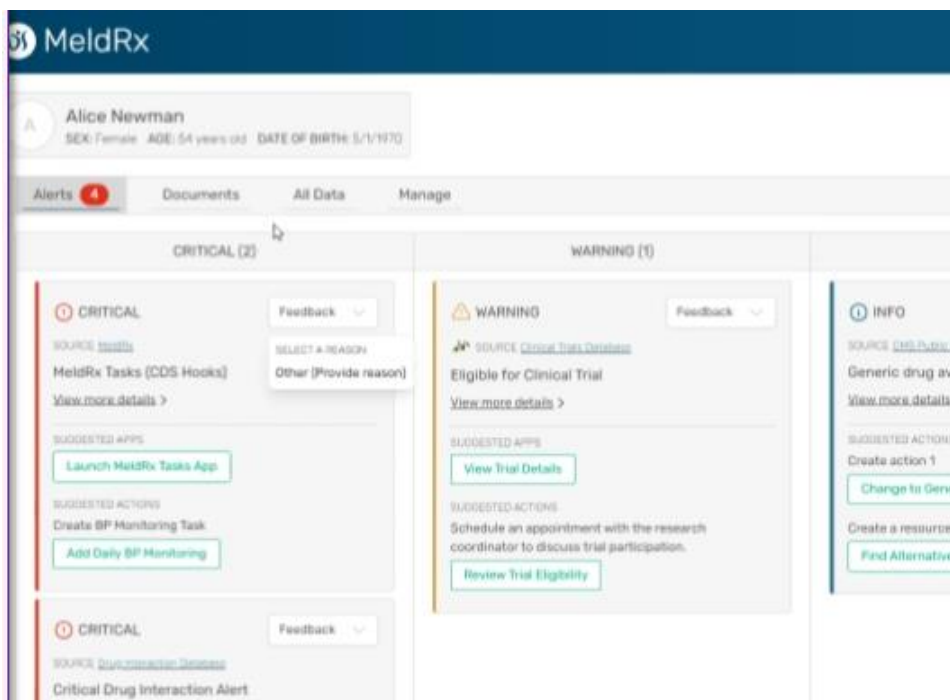- https://www.youtube.com/watch?v=o0Hur2Y9kDE&t=1s

Authorized users can access DSIs from RIS via a new `Launch DSI` button available from the `Perform Exam` and `Dictating` screens.

A LAUNCH DSI BUTTON WILL APPEAR IN RIS.

This action will launch the MeldRX portal using the patient context from RIS.

CLICKING THE LAUNCH DSI BUTTON IN RIS WILL OPEN THE ACTIVE CONTEXT IN A BROWSER WINDOW:
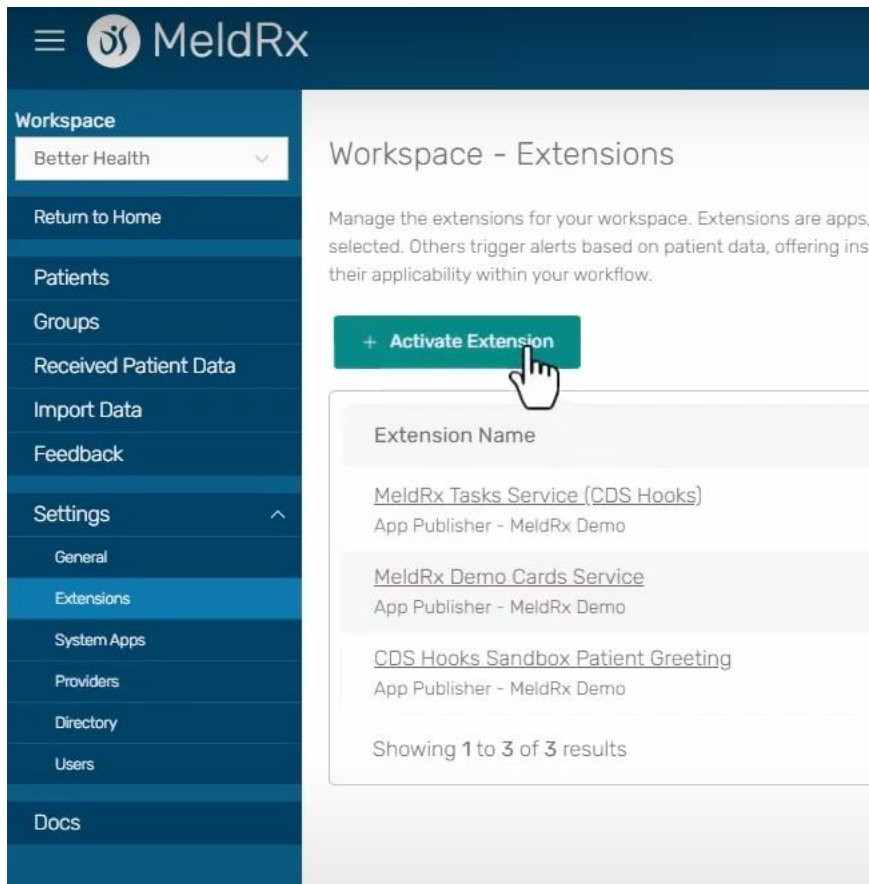
Within the MeldRX portal, any activated Extensions can perform actions on the active patient exam to create and display alerts which can then be actioned by the user including providing feedback.

From an integration perspective, RIS must simply launch the patient chart.

Activation and Configuration of DSIs

The EHR must allow a limited set of identified users to activate and configure both Predictive and Evidence-Based DSIs, as required by the user's role.

This is done by the EHR by using their administrative account on the Darena administration website to grant authorized users the permission to manage and activate DSI "Extensions" on the the Darena portal.

WITHIN MELDRX, DSIS ARE REFERRED TO AS EXTENSIONS.

User Account Registration

RIS users require a MeldRX user account to access the Darena portal and utilize any activated DSIs.

This account will be utilized for the `Launch DSI` button functionality, or a user may directly log into the MeldRX portal.

The email address for this account does not have to correspond to an existing email on file for the RIS user.

To create a user account, the Site Administrator will:

1. Create the user account in MeldRX using the user's provided email address.
2. Add this same user account email address to RIS.

User Feedback Mechanism

The system must allow users to provide electronic feedback on DSIs.

- Feedback must include details such as the DSI used, action taken by the user, any feedback provided, the user identity, the date, and the location of the intervention.
- The feedback data must be accessible by a limited set of authorized users and exportable in a computable format (e.g., JSON, XML, CSV).

This functionality is provided by Darena via the MeldRX portal.

Risk Management for Predictive DSIs

The system must implement risk management practices for Predictive DSIs.

- Predictive DSIs must undergo risk analysis covering validity, reliability, fairness, intelligibility, safety, security, and privacy.
- Risk mitigation strategies must be applied, and the system must allow tracking of these practices.
- The system must support ongoing monitoring of the Predictive DSI for fairness, including external validation.

This functionality is provided by Darena via the MeldRX portal.

Configuration Instructions

System Administrators must complete the following actions to enable this feature:

Darena Solutions

DSI Administration

Provide administrative accounts on the Darena administration website to authorized users to manage and activate DSI "Extensions".

MeldRX User Account Administration

RIS users require a MeldRX user account to access the Darena portal and utilize any activated DSIs.

Users may also directly log into the MeldRX portal using this account.

To create a user account in MeldRX:

1. Log into the MeldRX portal using their administrator account via `https://app.meldrx.com`.
2. Enter the user's provided email address with `User` permissions.
3. Ensure this same user account email address has been added to RIS.

RIS Client

Changes to PersonExtraData Lookup Table Settings
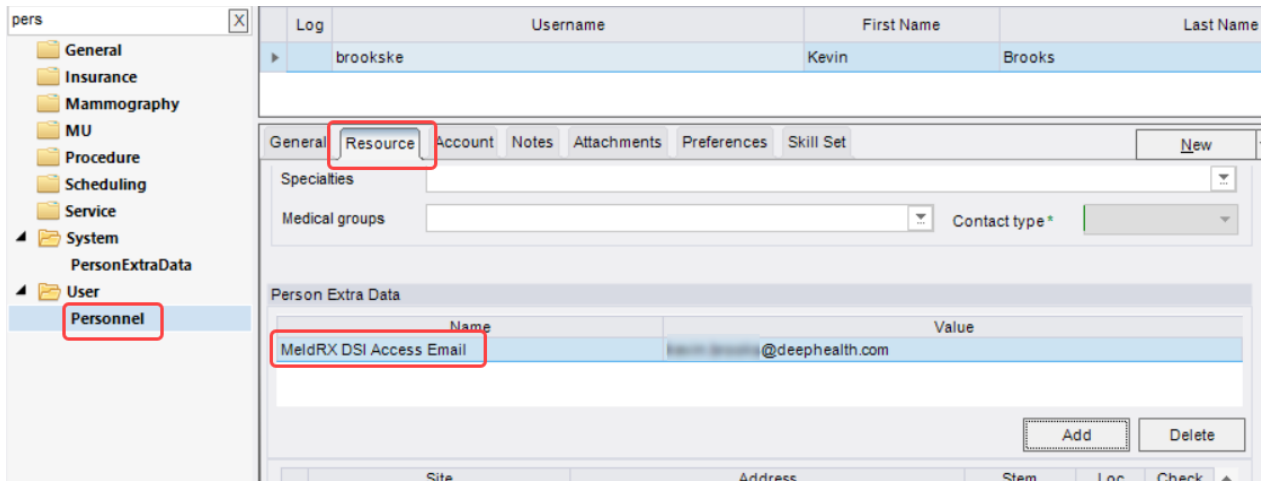
1. Create a new entry:
    1.1. `Person Extra Info Code` = `MeldRXDSIAccessEmail`
    1.2. `Display Name` = `MeldRX DSI Access Email`
    1.3. `Description` = `User account for the MeldRX Portal`

Changes to Personnel Lookup Table Settings

RIS users require a MeldRX user account to utilize the `Launch DSI` button functionality.

To add this user account to RIS:

2. From the `Personnel` Lookup table, access the `Resource` tab.
3. From the `Person Extra Data` tab, create a new `MeldRX DSI Access Email` value with the authorized email address.

4. Ensure this same user account email address has been created in MeldRX.

Changes to AccessString Lookup Table Settings

- Grant access permissions as necessary.

The following related settings were added or updated:

Setting	Default	Purpose
Clinical.LaunchDSIFromPerformExam	Value=[None|Full], Default=[None]	Controls access to the "Launch DSI" button from the Perform Exam screen. Updated by #35964
Clinical.LaunchDSIFromDictatingScreen	Value=[None|Full], Default=[None]	Controls access to the "Launch DSI" button from the Dictating screen. Updated by #35964

Feature #36329 – Updates to Support CMS125v12

Summary

This enhancement updates CURES to provide support for CMS125v12 to ensure compliance with current clinical guidelines and reporting requirements.

Feature Description

With these changes, the document GUIDs and stored procedures have been updated to meet the requirements to support CMS 125v12 certification testing.

Configuration Instructions

No System Administrator actions are necessary to enable this feature.

VERSION DETAILS

Code Stream

The following source code branches have been merged into this release:

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