CureMD UC'24

Raleigh, North Carolina

Connecting Cure Communities

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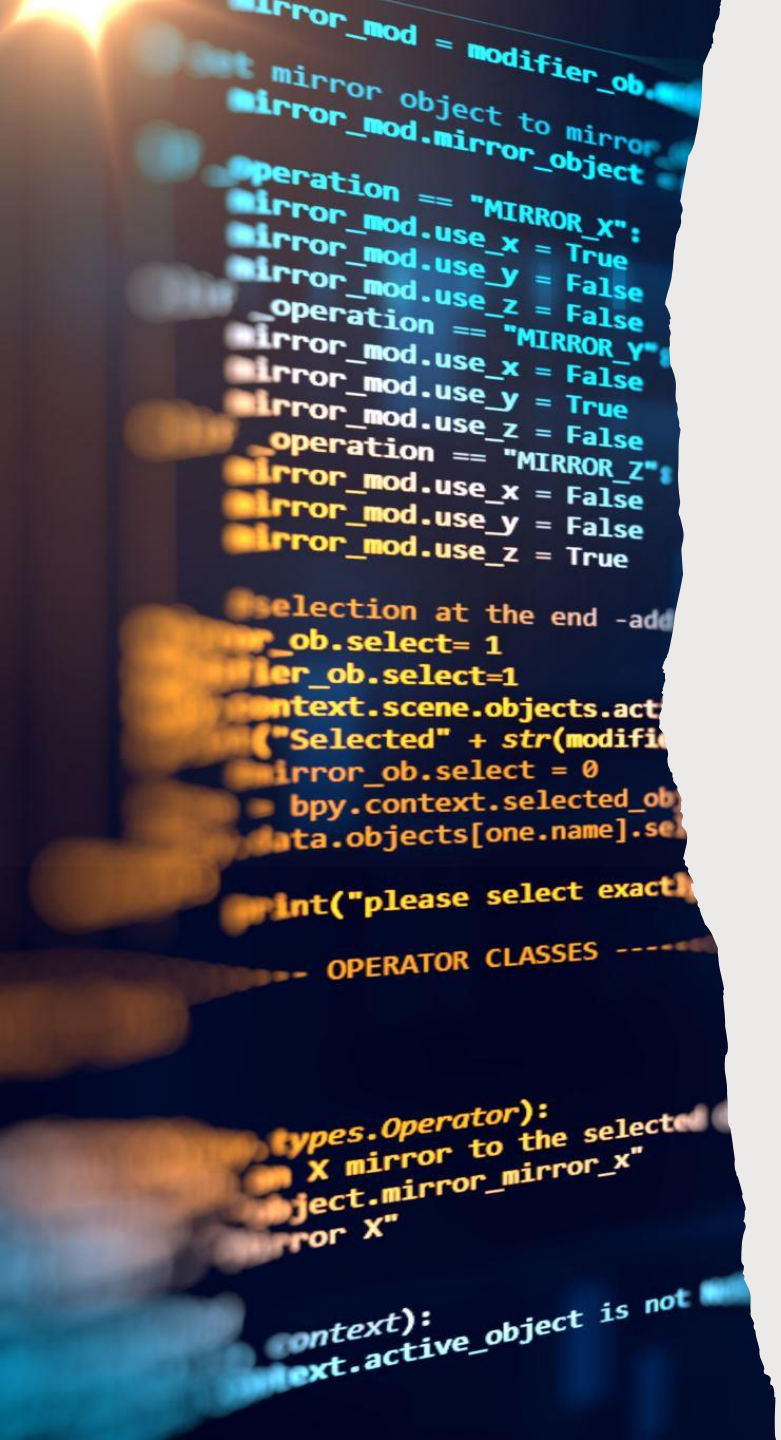


Effortless Compliance: Streamline Public Health Reporting with electronic case reporting

Are you ready for eCR?

Get ready for electronic case reporting (eCR).

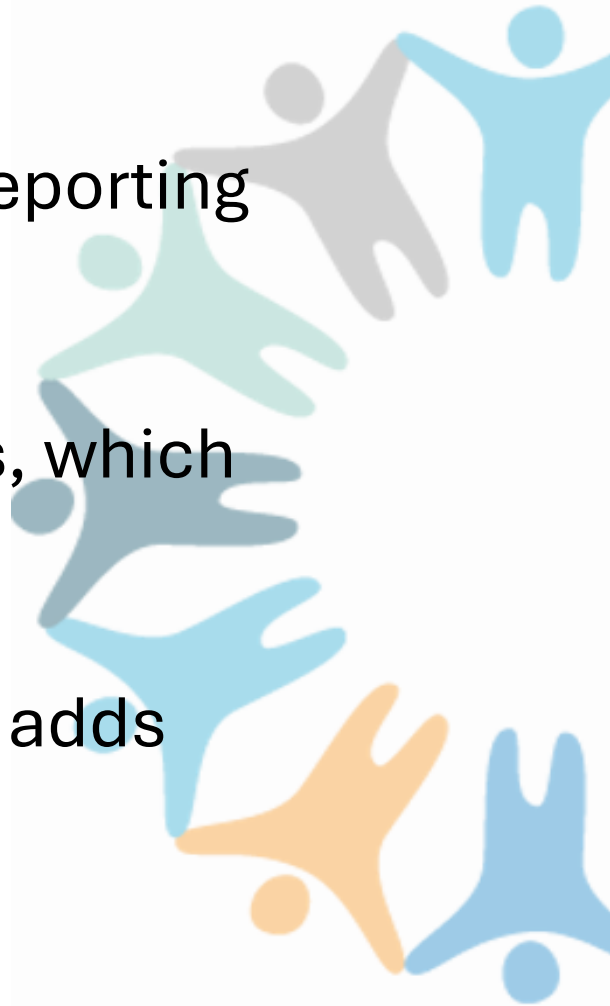
We will guide you through the steps to start with your electronic reporting, ensuring your organization is prepared for efficient and accurate public health data exchange.

What is Case Reporting?

- Healthcare organizations are required by law to report certain conditions to Public Health Agencies (PHAs).
- These reports help monitor and control public health issues such as outbreaks, epidemics, and chronic diseases.
- Reporting requirements vary based on the disease/condition and public health jurisdiction.
- Providers must identify reportable conditions and submit the necessary information to the appropriate PHAs.

Reporting Challenges

- Manual reporting often leads to incomplete forms requiring follow-up by PHAs for clarification.
- This results in inconsistent, time-consuming, and underreporting of conditions.
- Providers need to manually identify reportable conditions, which can be inefficient.
- The variety in reporting requirements across jurisdictions adds complexity to the process.



Electronic Case Reporting (eCR) – The Solution

- eCR automates reporting, helping healthcare providers meet legal obligations without altering their workflow.
- It simplifies EHR interface development by using a single, all-condition, all-jurisdiction electronic initial case report (eICR) standard.
- eCR processes and routes reports to appropriate jurisdictions from one centralized location, ensuring compliance and accuracy.
- Providers can focus more on patient care while ensuring complete and timely public health reporting.

Electronic Case Reporting in CureMD

How does ECR work in CureMD?

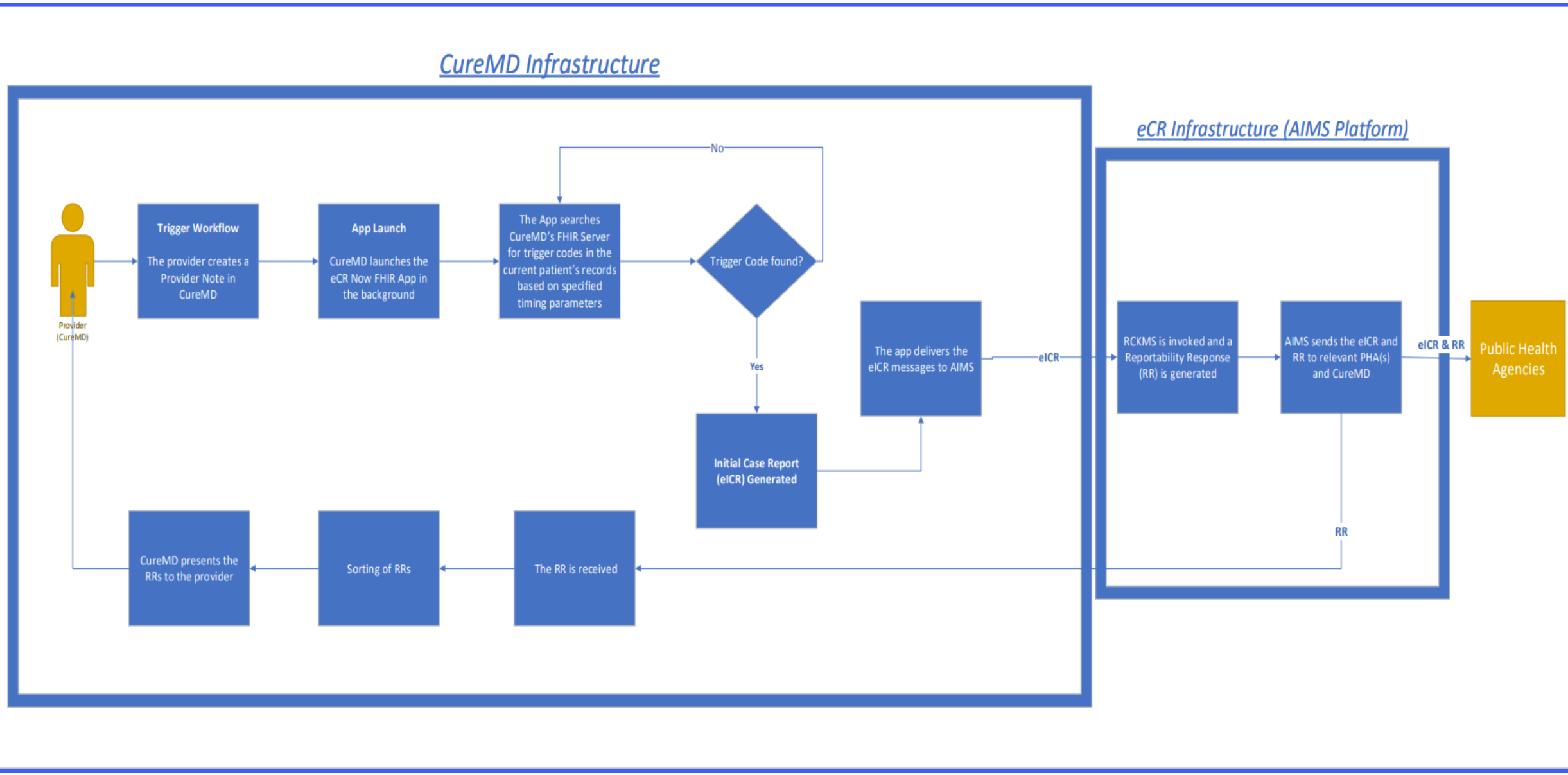
- CureMD EHR utilizes HL7 CDA R2 for generating electronic initial case report (eICR)
- CureMD EHR automatically analyzes each patient visit from the moment the Provider Note is created and continues to monitor it until the encounter is concluded (**signed**). This analysis ensures any new reportable condition or trigger added during the encounter is promptly detected.
- Reportability of patient visit is determined based on:
  - Diagnosis
  - Lab Orders & Results
  - Medications
- If a reportable condition is found in patient visit, an electronic initial case report (eICR) is generated and sent to the Association of Public Health Laboratories (APHL) Informatics Messaging Services (AIMS) platform.

How does ECR work in CureMD?

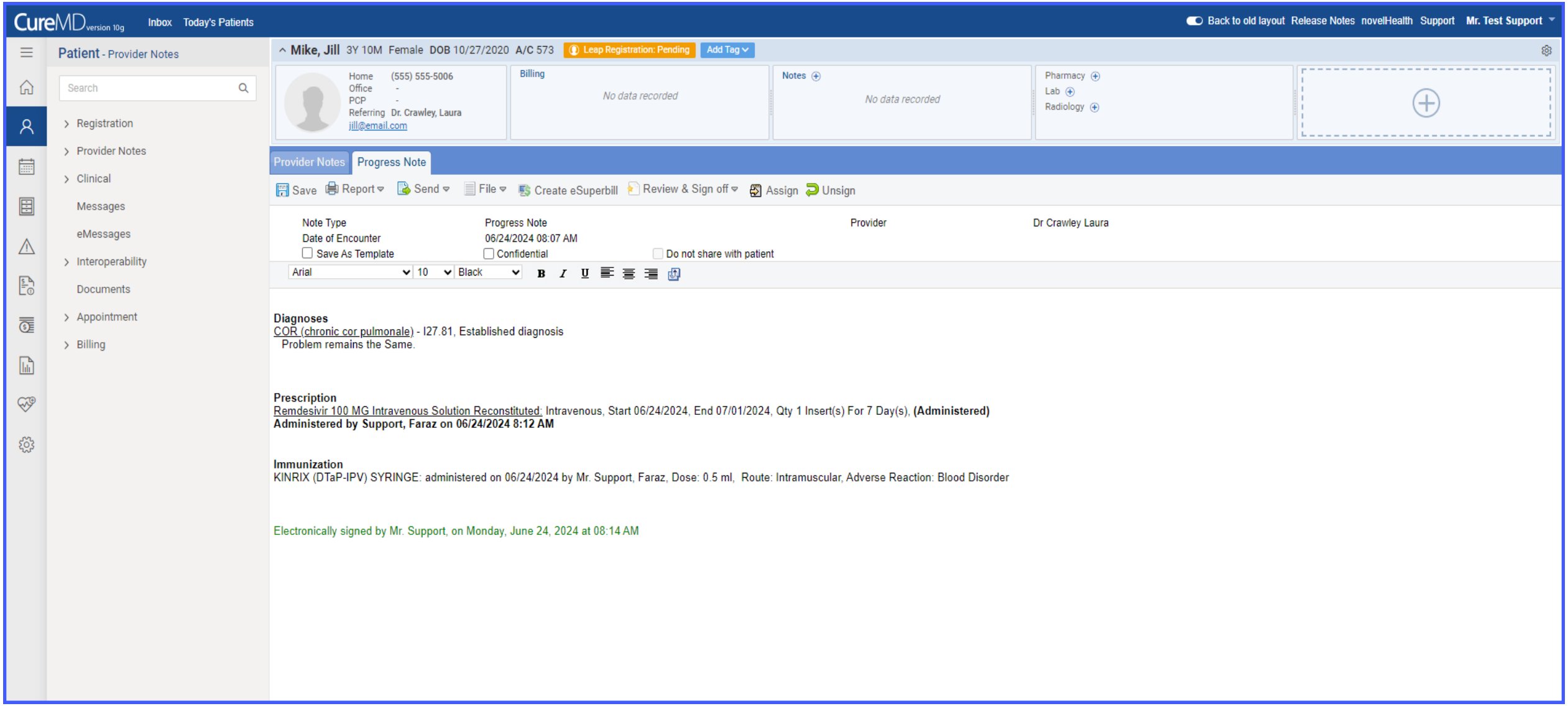
- The list of reportable conditions is developed by the Council of State and Territorial Epidemiologists (**CSTE**), Centers for Disease Control and Prevention (**CDC**) and **APHL**, and is kept up to date in CureMD.
- Upon receipt of an eICR, the AIMS platform uses the Reportable Conditions Knowledge Management System (**RCKMS**) to determine whether the case is reportable to the relevant Public Health Authority (PHA), based on the patient's residence and care location.
- Each PHA will have its own unique set of reportable conditions.
- For all reportable cases, AIMS platform forwards the case report to PHA.
- AIMS platforms also sends the Reportability Response to both PHA and CureMD.
- Providers can view the Reportability Responses for eligible encounters from all workflows that list Provider Notes, such as:

Patient > Provider Notes Listing, Personal > My Notes, *and* ***Personal > Administration > Provider Notes.***

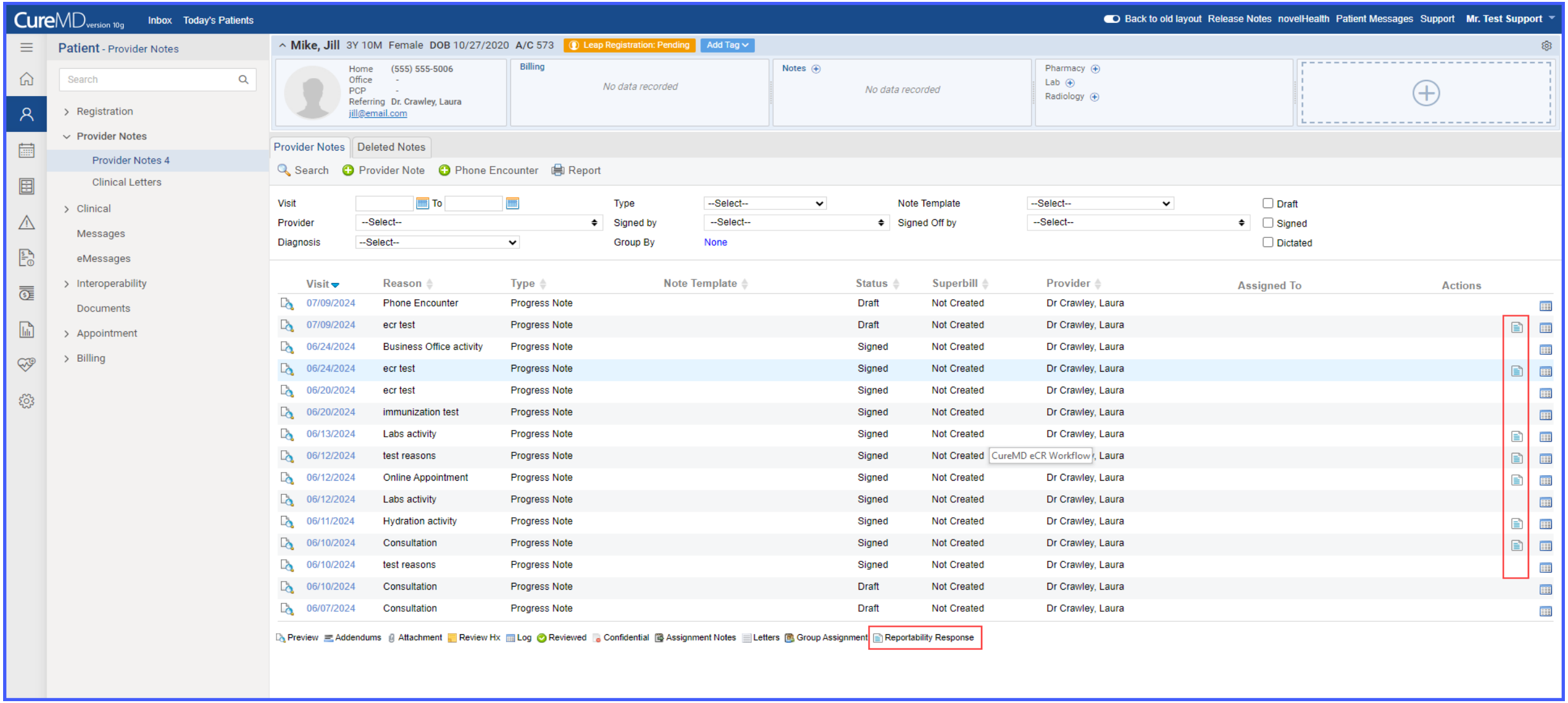
CureMD eCR Workflow



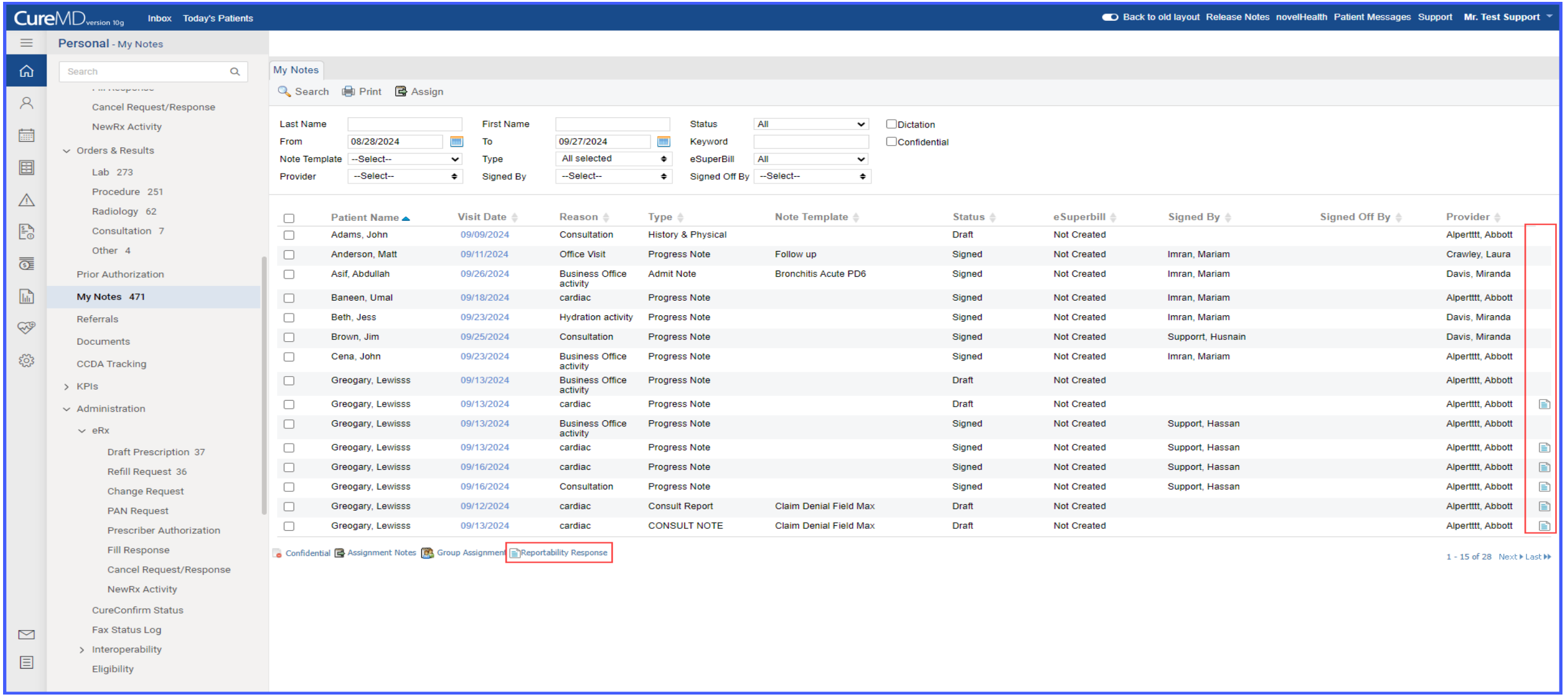
Case Report Generation (Patient > Provider Note)



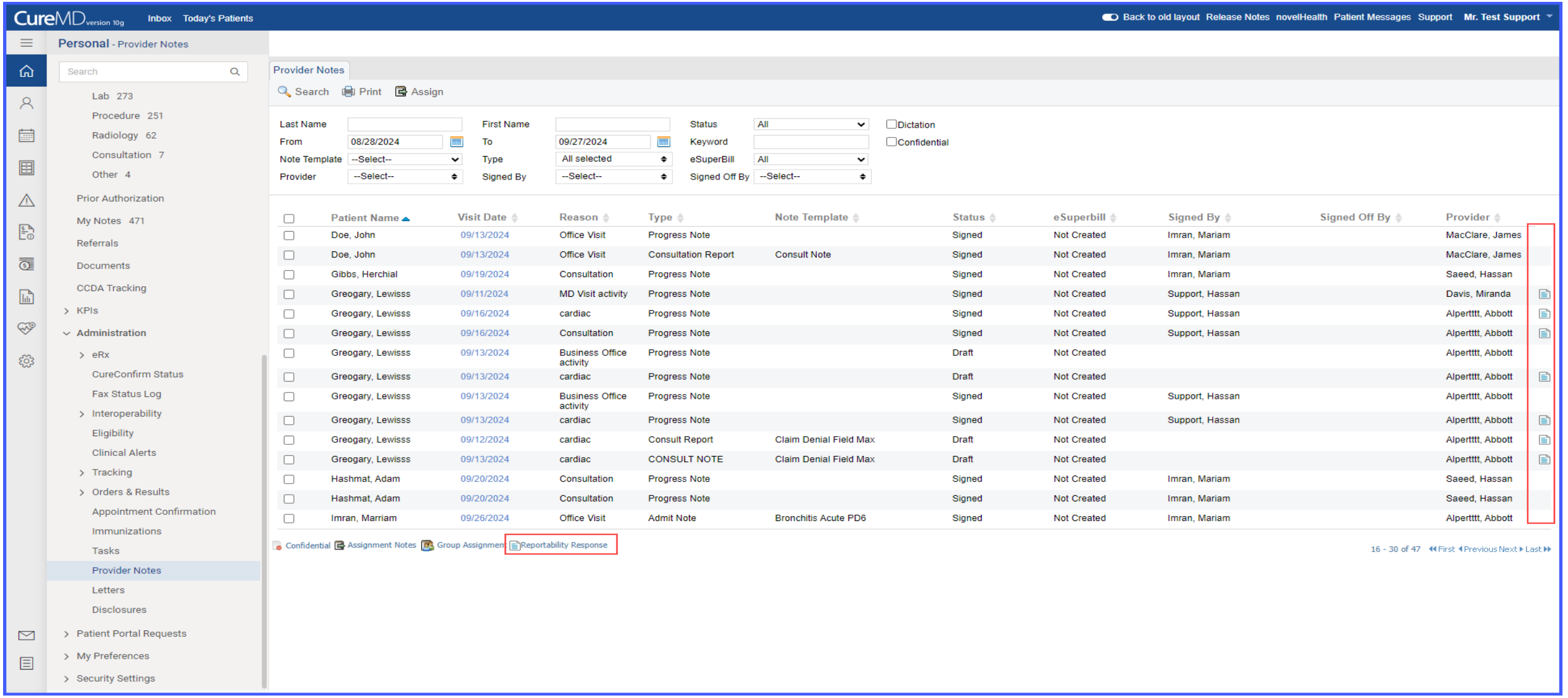
Reportability Response (Patient > Provider Notes List)



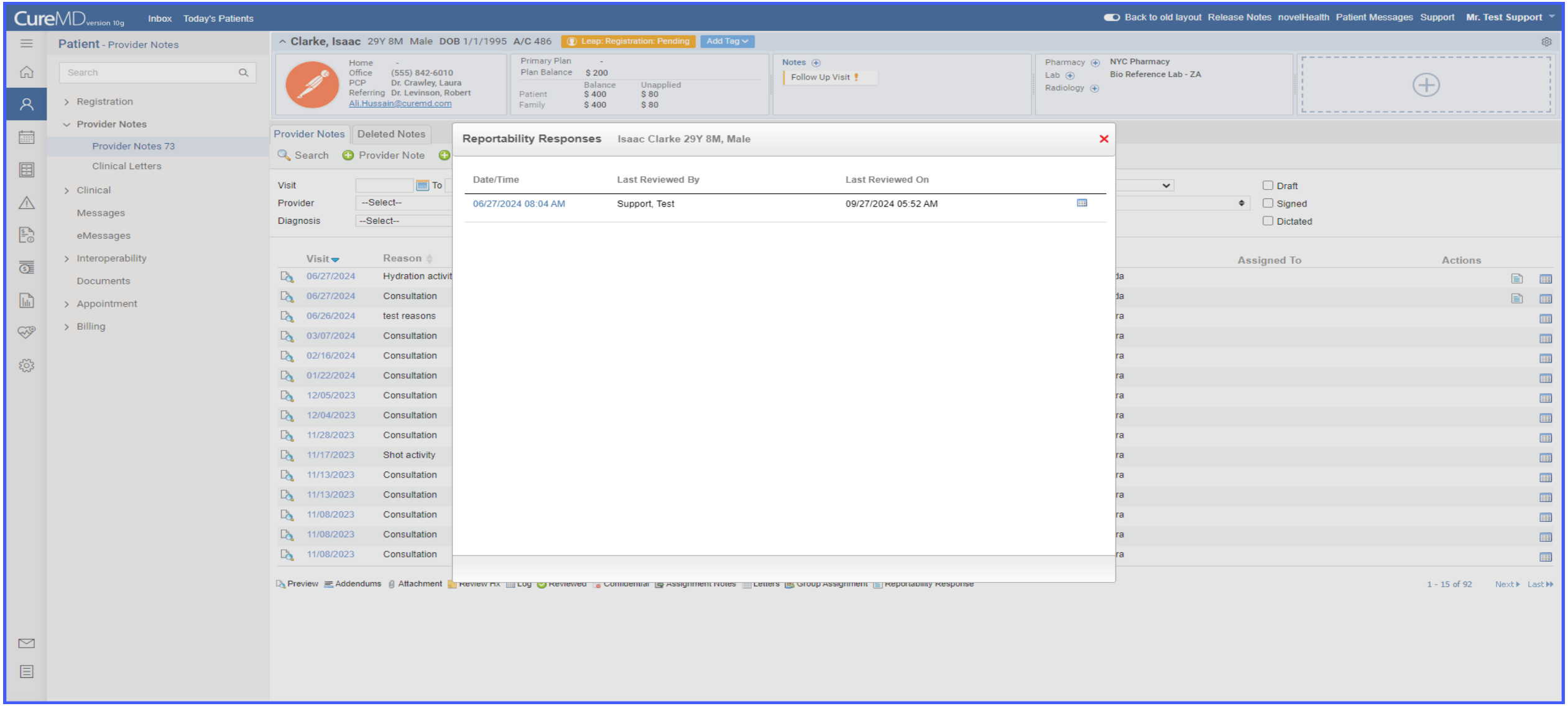
Reportability Response (Personal > My Notes)



Reportability Response (Personal > Administration > Provider Notes)



Reportability Response (Logs)



Reportability Response

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Reportability Responses Isaac Clarke 29Y 8M, Male

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Reportability Response

Patient	Isaac Clarke		
Date of birth	January 1, 1995	**Sex**	Male
Contact info	72289 El Paso Dr TWENTYNINE PALMS, CA 92277, US Tel: (555)842-6013	**Patient IDs**	20244 2.16.840.1.113883.1.1.1.1.1
Document Id	aeacbe6d-dfe7-4a62-b33a-902da33b6db0		
Document Created:	June 27, 2024, 11:48:36 +0000		
Author			
Contact info	8515 Georgia Avenue, Suite 700 Silver Spring, MD 20910, US Tel: +1(844)836-8377		
Encounter Id	42738 2.16.840.1.113883.1.1.1.1.1	**Encounter Type**	ambulatory
Encounter Date	From June 27, 2024, 07:37:00 +0000 to June 27, 2024, 07:37:59 +0000		
Encounter Location	Neighborhood Physicians		
Responsible party	Miranda Davis of Neighborhood Physicians		
Contact info	111 Anywhere Street , NY, US Tel: (555)555-1004		
Information recipient:	Miranda Davis		
Contact info	111 Anywhere Street , NY, US Tel: (555)555-1004		
Document maintained by	APHL | Association of Public Health Laboratories.		
Contact info	8515 Georgia Avenue, Suite 700 Silver Spring, MD 20910, US Tel: +1(844)836-8377		

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Reportability Responses Isaac Clarke 29Y 8M, Male

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Subject:
Public Health Reporting Communication: one or more conditions are reportable, or may be reportable, to public health.

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Summary:
Your organization electronically submitted an initial case report to determine if reporting to public health is needed for a patient.
"Typhoid fever (disorder)" is reportable to "Local Public Health Agency". The initial case report was sent to "California Department of Public Health". Additional information may be required for this report."Meningitis (disorder)" is reportable to "California Department of Public Health". The initial case report was sent to "California Department of Public Health". Additional information may be required for this report."Meningococcal infectious disease (disorder)" is reportable to "California Department of Public Health". The initial case report was sent to "California Department of Public Health". Additional information may be required for this report.
No determination of reportability could be made for any condition for "New York City Department of Health and Mental Hygiene". This may be because it is not on the list of reportable conditions for this Public Health Agency, or the information provided at the time of this report does not meet reporting criteria, or the Public Health Agency is not yet accepting electronic case reports for this condition. Previous reporting processes should be continued until your Public Health Agency has specifically approved you for electronic case reporting for this condition.
"Typhoid fever (disorder)" for "Local Public Health Agency"
Reporting is required within "1 Day(s)". Reporting to this Public Health Agency is based on "Patient home address"
> Local Health Department Contact Information (Information only)

"Meningitis (disorder)" for "California Department of Public Health"
"Meningococcal infectious disease (disorder)" for "California Department of Public Health"

Onboarding

MIPS: Promoting Interoperability (PI) Program

- CureMD is certified for electronic case reporting (eCR) by the US Department of Health and Human Services (HHS) Office of the National Coordinator for Health Information Technology (ONC) certification program - §170.315(f)(5) Transmission to public health agencies — electronic case reporting

- Electronic case reporting is a now a required measure under the Public Health and Clinical Data Exchange objective for MIPS Promoting Interoperability (PI)

- HCO's should directly contact their jurisdictional public health agency for further guidance on registering intent for eCR for CMS Promoting Interoperability as soon as possible.

eCR Onboarding Process

Healthcare organizations (HCOs) need to follow a 5-stage process to onboard for eCR.

1. Planning

- Initiate the eCR process by contacting the eCR Onboarding team at ecr@cdc.gov to express your interest and register your intent for CMS Promoting Interoperability with the appropriate jurisdictional (PHA). The eCR Onboarding team will provide you with onboarding materials, including the eCR Provider Intake Form and the eCR Facility List Template.
- Choose a policy path for the transmission of eICRs to the AIMS platform by either agreeing to sign APHL's on-line participation agreement or leveraging CommonWell's EULA to fulfill this requirement.
- Direct Messaging will be your transport mechanism for communication with AIMS.

2. Configuration of eCR Interface

- Submit the documentation to eCR team received at the time of planning.
- Ensure your 'Direct Address' (for testing and production) is registered with SureScripts

3. Testing

- Ensure that eICRs are being generated and sent to AIMS platform
- Verify that RRs are received and visible to HCO's Providers and Administrators

Healthcare Organization – eCR Onboarding Process

4. Content Review of eICR messages

- The eCR Onboarding team will confirm the HCO's onboarding completion once the established volume threshold for the testing scenarios is met and the eCR Onboarding team validates the data quality of the shared data.

5. Release of Production Data to PHA

- eCR Onboarding team transitions the HCO to sending production data to the AIMS platform in coordination with PHAs.

Note: HCO Onboarding will be completed incoordination CureMD Support, eCR Onboarding Team, and jurisdictional PHA(s).

Thank you!