MICHIGAN INTEGRATED TECHNOLOGY PLATFORM

# LONGITUDINAL RECORD VIEWER REFERENCE GUIDE



6.4.25 VERSION 6

# **Table of Contents**

<u>Purpose</u>	
	2
<u>Longitudinal Record Viewer</u>	2
ADT Messages	_
	2
<u>Patient Summary</u>	2
<u>Problems</u>	_
	3
Medication Orders and Requests	4
Medication Statements	
	5
<u>Procedure/Devices</u>	6
<u>Immunizations</u>	
	7
<u>Encounters</u>	8
<u>Allergies</u>	
In a company of the c	9
<u>Insurance</u>	10
<u>Diagnostic Imaging</u>	
Other Poculte	11
Other Results	12
<u>Lab/Observation Results</u>	47
Documents/Clinical Notes	13
	14
<u>Vital Signs</u>	15
	15

#### **Purpose**

This document will inform users on (1) how the data in each of the Longitudinal Record (LR) Viewer sections is useful, and (2) how data from HL7 v2 messages for Labs, Radiology, ADTs, and Transcribed Results populate the sections. It also will show how the CCD data from HL7 v3 is populated as well.

Note: Please consult the <u>MITP User Guide</u> for more detailed information on back-end functionality of the sections, and the LR Viewer Mapping Guide for HL7 mapping details.

# **Longitudinal Record (LR) Viewer**

The Longitudinal Record (LR) Viewer is a comprehensive patient record that consolidates data from multiple sources across the healthcare continuum. It provides a unified view of each patient by applying advanced patient matching logic, all within a consent management framework.

## Admission, Discharge, Transfer (ADT) Messages

Below is a list of key data categories that are typically included in ADT messages. Within each of these, supporting information is included (if provided). This is the data populated within the LR sections.

- Demographic Data
- Patient ID
- Admit Date
- Admit Reason
- Insurance
- Encounter Data with Date
- Encounter Facility
- Allergies

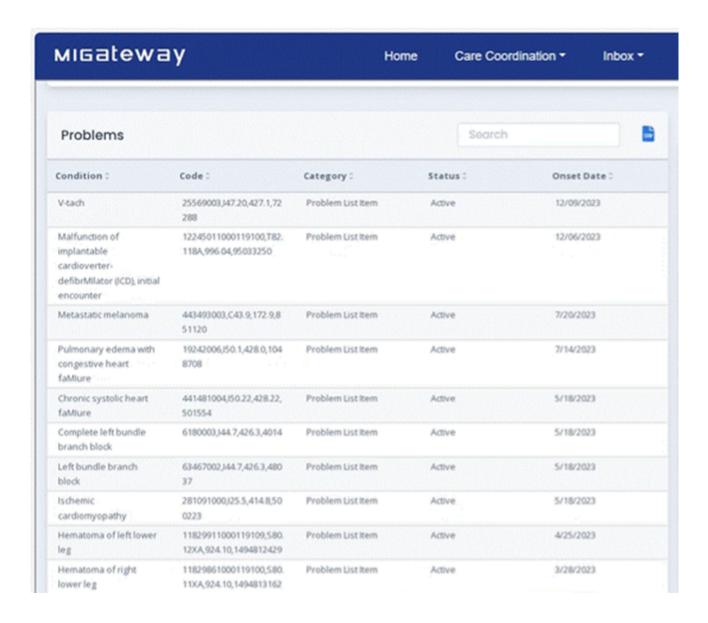
### **Patient Summary**

After selecting the "Longitudinal Patient Record" from the Patient Viewer screen, you will be presented with the patient Summary at the top of the page. This is where you will find **demographic data** and **patient ID** information.



#### **Problems**

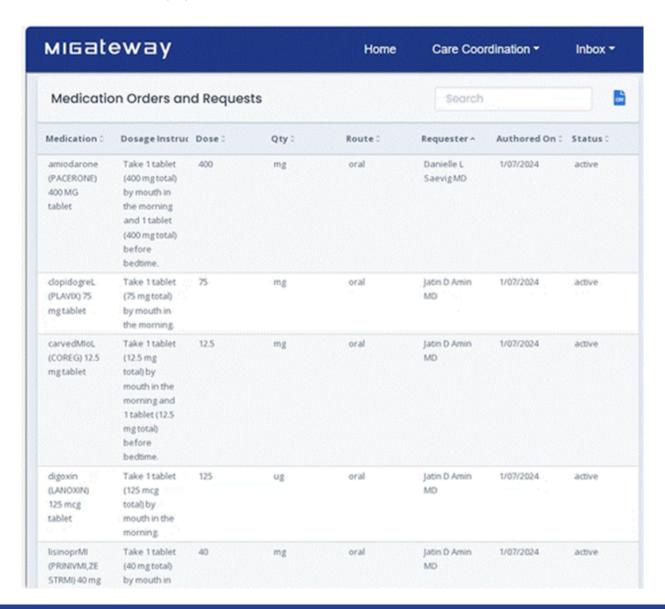
- Location: Problems is the first section in the left column of the Summary page.
- **Description**: This section lists **diagnosed health issues** and conditions recorded for the patient. It may include chronic illnesses, past medical conditions, or newly diagnosed problems. Use this to quickly understand the patient's medical history and current health concerns.
- Content: DX name and codes, Status of Condition, Onset date
- Data Source: CCD (v3) and ADT (v2)



#### **Medication Orders and Requests**

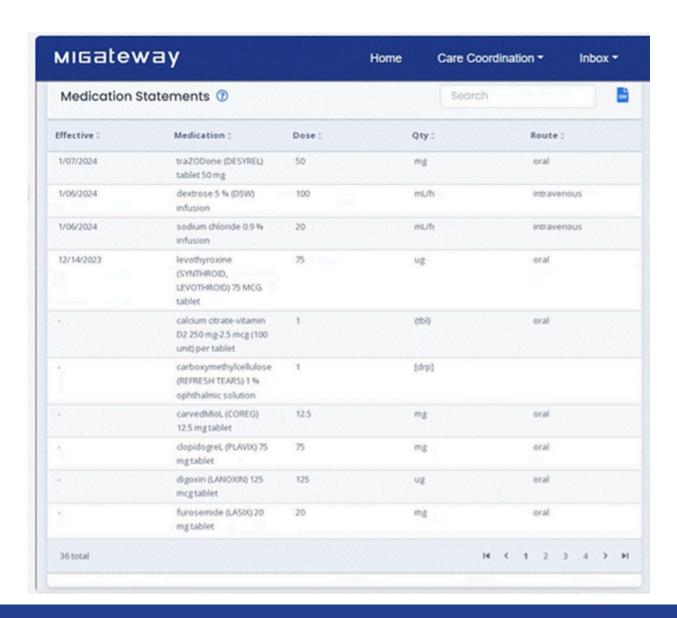
- **Location**: Medication Orders and Requests is the second section in the left column of the Summary page.
- Description: This section shows medications that have been prescribed or recommended for a patient by a healthcare provider, including, but not limited to, active prescriptions, past orders, or instructions shared between providers and care teams. Use this when you need to review what a provider intended the patient to take whether it's a current prescription, something planned for the future, or even a discontinued medication order.
- **Content**: Medication name, dose, frequency of administration, route of administration, and other data as provided in the messaging. Does NOT include administration information.

• Data Source: CCD (v3)



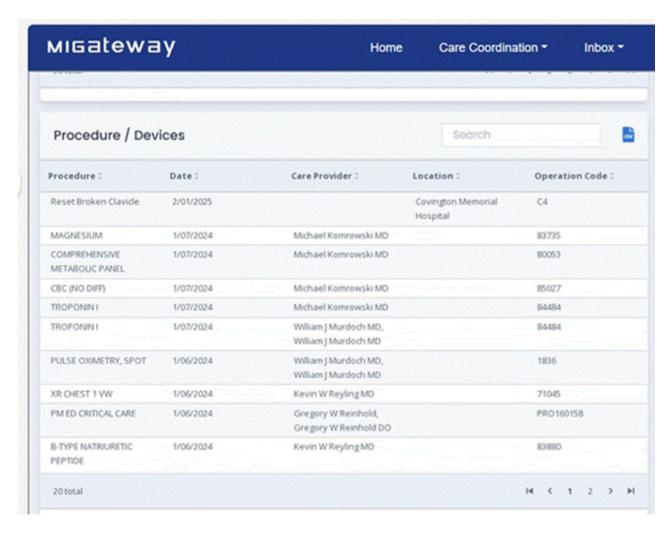
#### **Medication Statements**

- **Location**: Medication Statements is the third section in the left column of the Summary page.
- **Description**: This section displays **medications that the patient has taken or is currently taking**, based on clinical documentation. It's a way to track actual usage, even if the medication wasn't officially ordered through a prescription. This view is especially helpful when confirming medication adherence, identifying discrepancies, or reviewing a patient's full medication history during transitions of care.
- **Content**: This is a detail of the actual items administered to the patient during an encounter. For example: Patient has extreme nausea and goes to ER and is given anti nausea medication and an IV is started. Those administrations will be included in the this section.
- Data Source: CCD (v3)



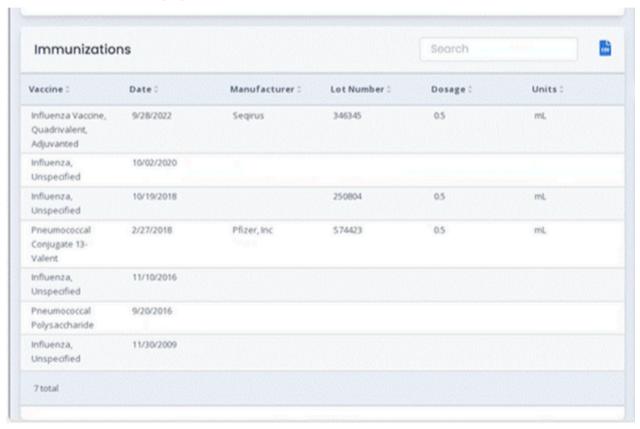
#### **Procedures/Devices**

- **Location**: Procedures/Devices is the fourth section in the left column of the Summary page.
- **Description**: This section displays **surgeries, treatments, and medical devices** the patient has received or is using. This includes procedures like a knee replacement or the insertion of a pacemaker. Use this section for reviewing a patient's surgical history or device use across different visits.
- **Content**: This section includes all order requested to be performed during an encounter; For example if a lab order is placed there is a draw procedure that is required. Also, if an implanted device is placed, here is where those procedures will be documented. This can be displayed in multiple pages, so selecting other pages may be required. All results will also be found in another result section.
- Data Source: CCD (v3) and ADT (v2)



#### **Immunizations**

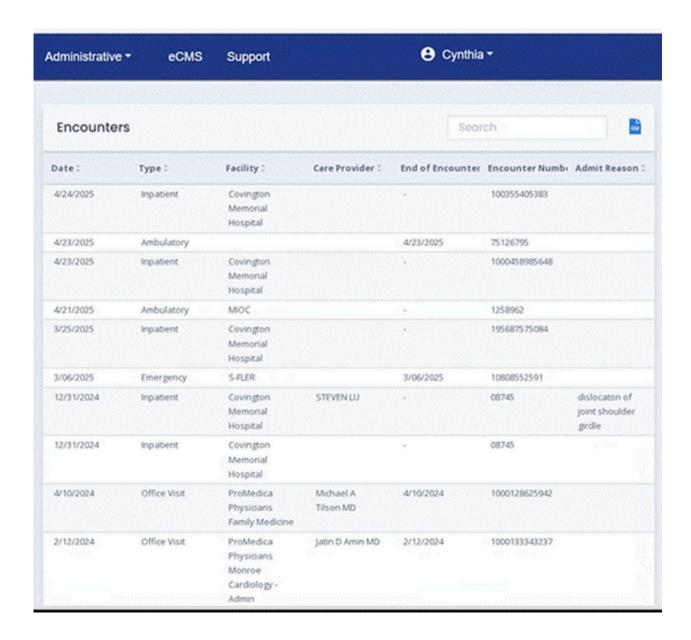
- **Location**: Immunizations is the fifth and final section in the left column of the Summary page.
- **Description**: This section shows a record of **vaccines administered to the patient**. This may include childhood immunizations, flu shots, COVID-19 vaccines, and others. Use this to verify a patient's vaccination status or identify any gaps in immunization history.
- **Content**: Immunization data is the accumulated summary of data submitted from all organizations.
- Data Source: CCD (v3)



#### **Encounters**

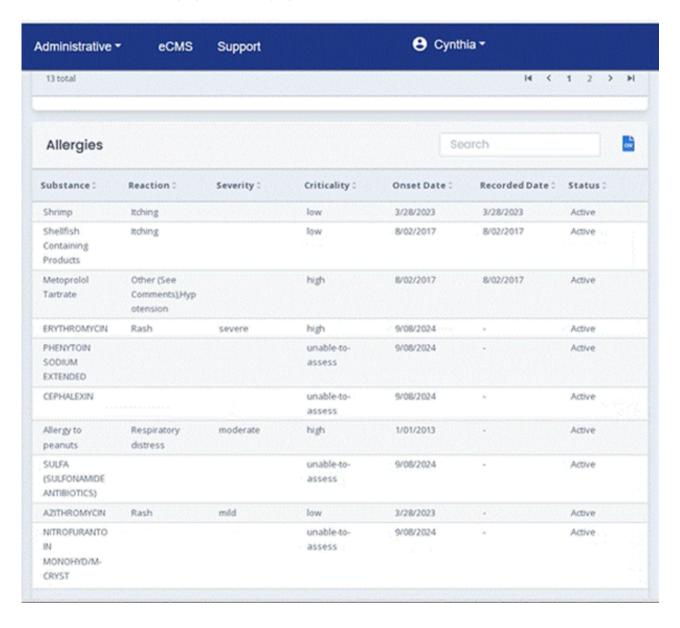
- Location: Encounters is the first section in the right column of the Summary page.
- **Description**: This section lists **past visits to healthcare facilities**, including office visits, hospital stays, and emergency room visits. Use this for tracking where and when a patient received care, along with the reason for the visit.
- **Content**: Only data that is sent can be displayed; For example, if the care provider information is not sent or improperly sent (i.e. wrong field placement in HL7 message), it cannot be displayed. Each organization sends data in accordance with their own facilities, therefore, not all content is displayed the same from one organization to another.

• Data Source: ADT (v2)



# **Allergies**

- Location: Allergies is the second section in the right column of the Summary page.
- **Description**: This section displays any **known allergies or intolerances**, such as reactions to medications, foods, or environmental triggers.
- Content: Substance; Reaction; Severity; Criticality; Onset Date; Recorded Date; Status
- Data Source: CCD (v3) and ADT (v2)



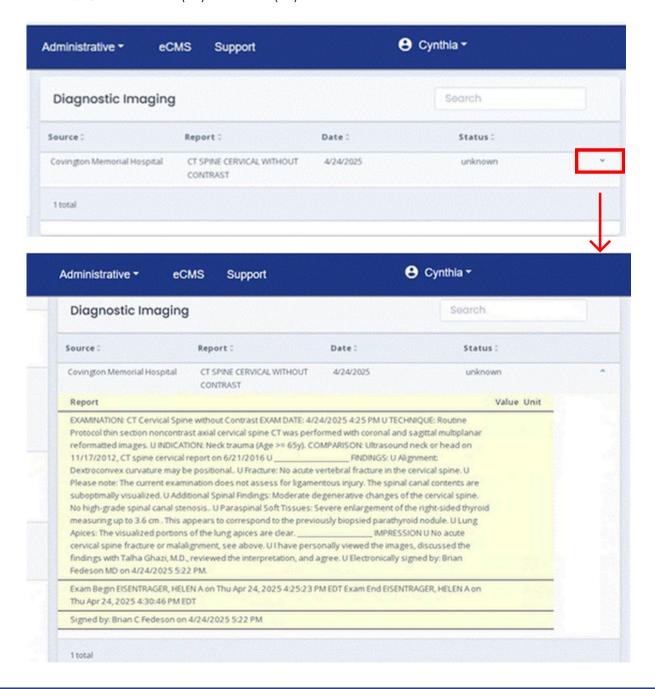
#### **Insurance**

- Location: Insurance is the third section in the right column of the Summary page.
- **Description**: This section provides details about the patient's health insurance coverage, including plan names and policy information when available. Use this to confirm eligibility and understand potential coverage for care or medications.
- Content: Payor; Plan number; Period Start/End
- Data Source: ADT (v2)



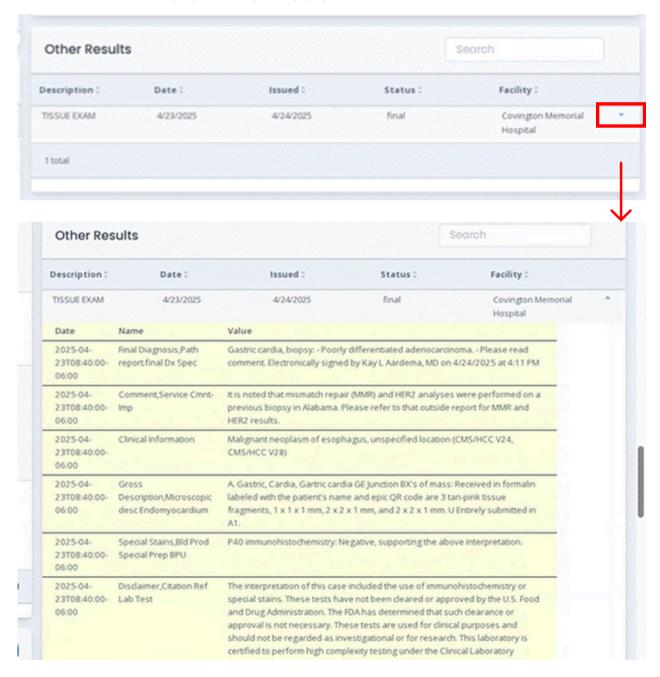
#### **Diagnostic Imaging**

- **Location**: Diagnostic Imaging is the fourth section in the right column of the Summary page.
- **Description**: This section shows **radiology reports from imaging studies** like X-rays, CT scans, MRIs, or ultrasounds. The focus here is on **written findings**, not the images themselves. Use this to review how radiologists interpreted the imaging.
- **Content**: Source; Report; Date; Status. To view further details, click the down arrow to expand and see additional details.
- Data Source: CCD (v3) and ADT (v2)



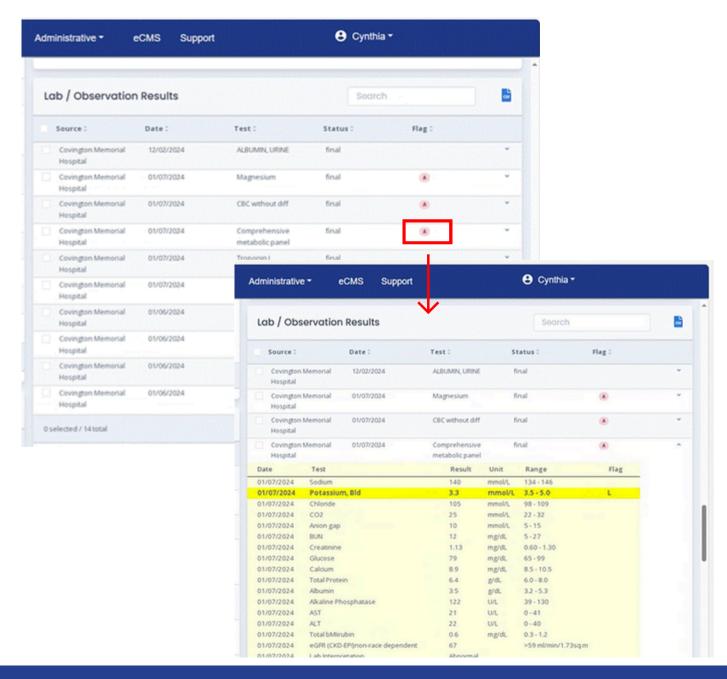
#### **Other Results**

- Location: Other Results is the fifth section in the right column of the Summary page.
- Description: This section covers specialized tests and reports that don't fall under standard lab results. Examples include pathology reports, tissue biopsies, blood bank, ECGs, and EKGs. Check this section for advanced diagnostic findings that require clinical interpretation. This does NOT include strips for ECG or EKG.
- **Content**: Description; Date; Issued; Status; Facility. Click the down arrow to expand and see additional details.
- Data Source: CCD (v3) or ADT (MDM) (v2)



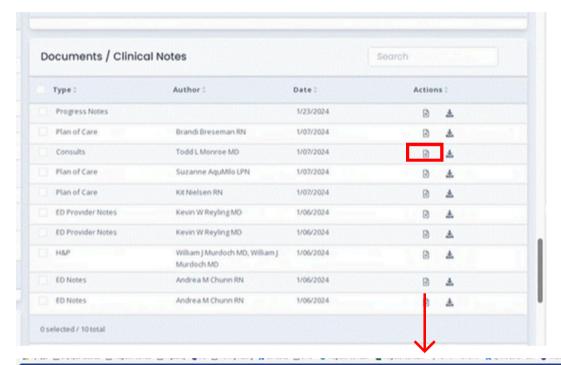
#### **Lab/Observation Results**

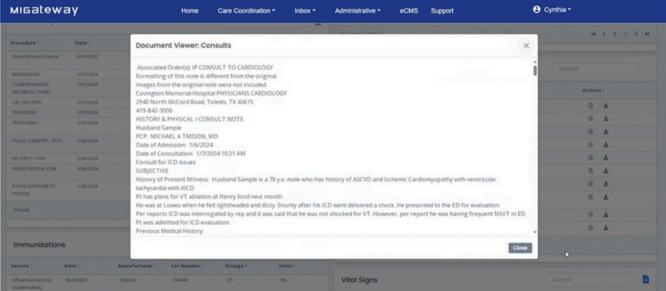
- **Location**: Lab/Observation Results is the sixth section in the right column of the Summary page.
- **Description**: This section shows results from **routine lab tests** such as blood work, urine tests, or metabolic panels. Use this to monitor trends in patient health over time or evaluate recent lab findings.
- **Content**: Source; Date; Test name, Abnormal Flag. Click the down arrow to expand and see additional details. Some Radiology observations may also be found in the Lab/Observation section. Some data can come from transcribed results for radiology.
- Data Source: ADT (ORU) (v2)



#### **Documents/Clinical Notes**

- **Location**: Documents/Clinical Notes is the seventh section in the right column of the Summary page.
- Description: This section includes clinical summaries, visit notes, discharge summaries, and other provider-written documentation.
- **Content**: Type; Author; Date. By clicking the icon, you can see the details of the document.
- Data Source: CCD (v3) and ADT (MDM) (v2)





# **Vital Signs**

- **Location**: Vital Signs is the eight and final section in the right column of the Summary page.
- **Description**: This section displays **basic health measurements** like blood pressure, heart rate, temperature, weight, and oxygen levels. Use this for monitoring current health status and tracking changes over time.
- Content: Description; Result; Unit; Date; Status
- Data Source: CCD (v3)

