

# HL7 Transfer Sites: How to Generate and Review the MCIR HL7 Message Viewer

**NOTE:** To ensure full functionality of MCIR, please [disable pop-up blockers](#) in your browser settings.

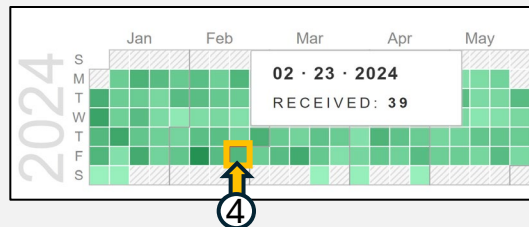
- From the MCIR home screen, click on **HL7 Message Viewer** from the Import/Export box.



- The HL7 Message Viewer window will open. Click the  (top right) to maximize the HL7 Message Viewer.
- If prompted, enter the **MCIR Site Name** or **8-digit HL7 Facility ID/PIN** (formatted as XXX-XX-XX).



- The **Recent Activity** screen displays HL7 messages **received** by MCIR from the EHR. Click a **Date Box** to review message details.
- Date boxes shaded in **green** represent days when messages were received, with darker shades indicating higher message volume. **Gray** boxes signify no activity on those days.
- After clicking a **date box**, the HL7 message details for the **selected date** or **date range** display. Review the messages for **each day** to verify processing into MCIR records or if errors prevented processing.
- A **Shot Icon** means a shot was **processed** or a **duplicate shot** was already in MCIR.
- A **green** icon shows the number of immunizations within the message that successfully entered an MCIR record.
- An **orange** icon indicates the number of immunizations within a record that matched duplicate data already in the MCIR record.



A screenshot of the HL7 message details table. The table has columns for 'Shot', 'Action', 'Date', 'Code', 'Desc', and 'Mfr'. There are four rows of data. A circled '7' points to a 'Shots' icon in the top right corner. A circled '8' points to a green icon with the number '1' next to it. A circled '9' points to an orange icon with the number '34' next to it.

Shot	Action	Date	Code	Desc	Mfr
# ADD		2023-05-12	115	(Tdap)	HIST
# ADD		2021-11-02	207	(COVID-19, mRNA, LNP-S, PF, 100 mcg/0.5 m)	HIST
# ADD		2021-08-27	207	(COVID-19, mRNA, LNP-S, PF, 100 mcg/0.5 m)	HIST
# ADD		2020-11-04	158	(Influenza, injectable, quadrivalent)	HIST
# ADD		2019-07-30	114	(meningococcal MCV4P)	HIST

- If errors are listed on the **Errors tab**, click to review the specific errored messages.
- Click the **Filter Icon** to view detailed information about each message.

Messages 130 of 130 HL7 Transfer Report Vaccines 130 **Errors 5** Warnings 0

NOTE: Some messages have multiple errors. When you select an error to view messages you will likely see fewer messages than the number of errors.

Count	Field	Message
5	ALL	Show all messages with errors in the selected time period
<b>3</b>	RESP_LAST_NM	ID:[10] must be present to add a child and/or an immunization
2	RESP_MIDDLE_NM	ID:[3] should be all letters (A-Z,a-z) with optional characters ('-')

- Reviewing the **Error Message** details explains **why the message was not processed** into the MCIR record and **highlights the data that requires correction**. If the provider's EHR system can submit edited immunization information, corrections will primarily be conducted through the EHR interface. If the EHR does not send "Delete" records, users must manually log into MCIR.

Msg Ack 2024-02-23 09:30:56 Name, Patient ADD 2024-02-23 146 (DTaP/IPv/Hib/HepB) ADMIN 0

Errors

Field	Value	Message	Reason
DOSE_LOT_TX	HH1326	Manufacturer of vaccine CVX code (216) reported in inventory for lot number HH1326 is Pfizer (PFR), which does not match the manufacturer as being administered, which was Wyeth (WAL)(WAL)	Other system error

HL7 Transfer Report

Summary Report

Persons Added/Updated	1
Responsible Party Rejected	1
Immunizations Added	1
Immunizations Accepted	1
Total Immunizations Processed	1

Message Shot Details

Patient Birthdate: [REDACTED]

Action	Type	Shot Date	Shot Code	Code Type	Shot Text	Lot Text	Mfr Code	Patient Age
ADD	ADMIN	2024-02-23	146	CVX	DTaP/IPv/Hib/HepB	U7768AA	MSP	[REDACTED]

- If a **hyperlink** appears next to the patient's name, click it to **open** the MCIR record.
- To **Add Missing Immunizations** due to the error(s), click **Add Imm**.
- To **Edit** or **Delete** incorrectly processed immunizations, click **History**.

Person: michigander, little Birth Date: 02/02/2021 Provider: Overdue View Print Help Home Exit

Person	Rem/Rcl	VIM	My Site	Adm	Rpts	Oth
Add/Find Roster	<b>Add Imm</b>	Information Status	<b>History</b>			

Visit [MCIR.org](https://www.mcir.org) for additional Tipsheets, Resources, and [Virtual Training Schedule](#). For assistance, contact the MCIR Help Desk:  
 Phone: 888-243-6652  
 Email: [MDHHS-MCIRHelp@michigan.gov](mailto:MDHHS-MCIRHelp@michigan.gov)

