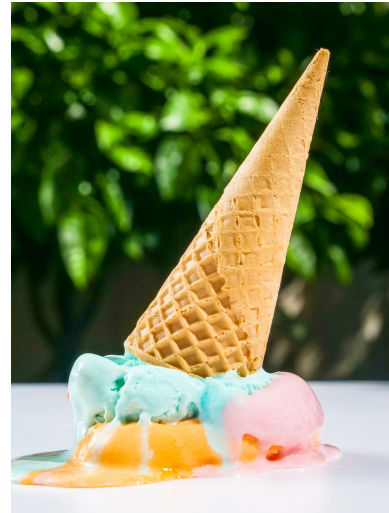


## Monthly - News & Updates

August 2023 | Issue 17

### In This Month's Newsletter:

- Skill UP! - Training Opportunities
- Upcoming Events
- MIIS Resource Spotlight
- DQ Matters
- Top 5 Resources of the Month
- All Aboard!



### Skill UP! Training Opportunities



### Patient Data Sharing

This webinar will provide an overview  
of data sharing in the MIIS.

Wednesday August 30, 12:00pm -

### Upcoming Events

#### MIAP Pediatric Immunization Skills Building Conference

The 28th annual MIAP Conference is scheduled for October 25, 2023. The Conference will be hybrid, enabling participants to attend in-person, at the DCU Center in Worcester, or virtually (online).

Registration is not currently open for this event. Please check back for updates as they become available.

[Read More](#)

[Register Here](#)

Couldn't attend our last webinar?  
Watch the recording here:

[System Usage Dashboard](#)

This training provides an overview of how to use the System Usage Dashboard.



## Resource Spotlight

### Recorded Webinars

The MIIS Training Team offers monthly Webinars that give a comprehensive overview of various functionalities available in the MIIS.

Each Webinar includes a brief presentation, a demo, and a live Q&A. All Webinars are also recorded and posted in the Training Center.

[Check It Out!](#)


## DQ Matters

### Assessment of Immunization Data Exchange with Rhode Island Child and Adult Immunization Registry

In June 2022, we announced our first inter-jurisdictional data exchange with the Rhode Island Child and Adult Immunization Registry (RICAIR). Since then, we have received over 140,000 HL7 messages from RICAIR and have over 100,000 patient records associated to the reported immunizations by RICAIR.

In December 2022, we assessed COVID-19 coverage among Massachusetts residents after receiving data from RICAIR. One of the problems with an immunization registry is knowing whether missing information represents incomplete record keeping or an absence of a vaccination event. This data exchange gave us an opportunity to drill down on this issue by examining the impact on vaccination

records for MA residents who appeared to be under-vaccinated in MIIS. When we added in vaccination records from RICAIR, it helped us see what proportion of missing data might be available to us with better information sharing across jurisdictions.

For this analysis, we created dose count groupings to assess the impact of adding the RICAIR data to the MIIS patient record by comparing MIIS only dose counts to MIIS and RICAIR data dose count. The three dose count groupings were 0 COVID-19 immunizations on record, 1-2 immunizations or 3 or more immunizations. We stratified these groups by data source (MIIS VS MIIS+RICAIR).

We chose these dose count groupings due to the COVID-19 vaccine series definition at the time of analysis based on the pre-dominant mRNA vaccine which was 2 primary doses followed by 1 booster dose.

We conducted this analysis on 95,496 patients which is the total number of patient records associated to RICAIR in December 2022. A person is considered “associated to” RICAIR if there was ANY immunization reported to the patient record in the MIIS. Below is the table of the analysis:

| Number of Immunizations on Patient Record | MIIS Data Only<br>(Count of RI Associated Patients) | MIIS+RICAIR Data<br>(Count of RI Associated Patients) | Percent Difference from MIIS Only to MIIS+RICAIR |
|---|---|---|--|
| 0   | 41,474  | 15,239  | -63%   |
| 1-2                                       | 36,738  | 27,932  | -24%   |
| 3 or more                                 | 17,284  | 52,325  | +203%  |

Because we only had data provided by MA providers, we assumed that the 41,000 patients in the 0 immunizations dose group were unvaccinated. If you follow down the percent difference column, the data shows how patients shifted into a higher dose count category after including the RICAIR data. The 0 and 1-2 dose count groups saw a decrease in the number of patients meaning there were less people who had 0 or 1-2 immunizations on their record and now have 3 or more immunizations leading to more individuals who would be considered fully vaccinated.

Based on this analysis, MIIS patient records were missing immunizations that improved patient COVID-19 vaccination status. The data exchange with RICAIR increased COVID-19 vaccine record completeness for 62,782 patients. This whole process amplified the need to advocate for inter-jurisdictional data exchange to enable public health systems to better quantify missingness and improve data quality.



## Top 5 Resources of the Month

Hand-picked resources from the MIIS team that they recommend to assist users with their most frequently asked questions.



### Managing Duplicate Patient Records Mini Guide

Provides step-by-step instructions for managing your site's Patient Deduplication Queue.

### Individual Patient Reports Mini Guide

In the Reports Section of the Immunizations Tab of a Patient Record, user's can access various reports for that patient.

### How to Submit a Record Correction Request Video

Explains and instructs how to submit a record correction request.

### Deactivating Users Mini Guide

Provides step-by-step instructions for deactivating accounts for users that are no longer associated with your organization.

### Practice Population Report Mini Guide

The Practice Population Report

## All Aboard!



## CERT Calls

The CERT call step of the onboarding process takes place after a site has successfully submitted 5 or more production level HL7 messages to the CERT environment. The purpose of this call is to ensure that the site's EHR is sending over all the necessary information for administered vaccines, and to catch any discrepancies in reporting before the site goes live.

An Interoperability Coordinator will reach out to the site to set up a date and time for this call, during which the site will be asked to look up at least 5 of the reported patients in their EHR and confirm that the information matches what was sent over to the MIIS. This includes the patient's demographics, the vaccine the patient received from the site, the vaccine lot number, the date at which vaccine was administered, and all other required immunization information.



displays information about the composition of the patients associated with your provider site.



If there are any discrepancies in what was reported to the MIIS and the site's EHR, then the Interoperability Coordinator will work with the site to address the cause of the discrepancy. A SSG team member and the EHR vendor will also be included in these communications if the discrepancy is the result of a technical issue.

Another CERT call will be conducted once the issue is resolved, if all information matches between the MIIS and the EHR the site will be moved on to the next steps of the onboarding process.

MIIS Helpdesk: [miishelpdesk@mass.gov](mailto:miishelpdesk@mass.gov) | MIIS Resource Center [www.miisresourcecenter.com](http://www.miisresourcecenter.com) | Virtual Gateway: <https://sso.hhs.state.ma.us/>



MDPH - Immunization Division | MDPH, 305 South Street, Jamaica Plain, MA 02130

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