

IIP Collaborative – Top Five Strategies for Improving Immunization Data Quality at the Point of Care

THE CHALLENGE

Ideally, information about administered immunizations flows seamlessly to jurisdictional immunization information systems (IIS), but sometimes, data errors can cause information to be rejected. Validating immunization data for completeness and accuracy before submission to an IIS facilitates successful submission and reduces the amount of rejected data that must be investigated, fixed, and resubmitted. Here are five key strategies and related resources to support improving your immunization data quality and reducing rejections.

1

Understand your immunization acknowledgment messages.



Reviewing your error data can help identify common errors. Understanding common errors may help inform EHR configurations and workflows to prevent those errors.

- [IIP Aggregate Immunization Acknowledgment Message Reports Guidance](#)
- [Do You Know Where Your ACK Messages Are? Assessing and Correcting Fatal Errors from Vaccine Submissions to a State Immunization Registry](#)
- [AIRA Discovery Session: Data Quality Improvement Success Story: Collaborating through the Immunization Integration Program](#)

2

Start the conversation about IIS data requirements and business rules.



Ask your IIS if they have a [list of potential errors](#) and recommendations for reducing or preventing these errors from occurring.

- [Contact your jurisdiction's IIS.](#)

3

Leverage your system's configurability.



Have discussions with your clinical care team, administrative staff, and vendor partner on how best to implement business rules.

- [DQA Business Rules and Principles](#)

4

Provide training resources to improve immunization data entry and validation.



Errors introduced when documenting patient and vaccine information can cause the immunization record to be rejected by IIS.

This guide lists the key training resources that promote best practices for data validation in the EHR prior to submission to the IIS.

- [Training Resources for Vaccine Data Entry Users](#)

5

Incorporate vaccine 2D barcoding into immunization administration and inventory documentation processes.



Manual documentation of immunization data can introduce errors which result in immunization records being rejected by the IIS. 2D barcode adoption can improve your data quality, provide cost savings, and reduce rejections.

- [CDC resources on vaccine 2D barcodes](#)
- [CDC Vaccine 2D Barcode Scanning Implementation Toolkit](#)

Immunization Integration Program

Better health outcomes, reduced costs and higher clinician productivity

The Immunization Integration Program is advancing the inclusion of enhanced immunization capabilities in EHRs to improve the exchange of data between EHRs and immunization information systems.

Help improve immunization interoperability