

#### Description

The provider has received acknowledgment errors for vaccinations submitted to the IIS. The provider staff uses the EHR to generate an Acknowledgment Error Report or to export the information for use in a reporting tool

#### Comments

In addition to the acknowledgement data received during the course of this test plan, additional acknowledgement errors are provided in this test step.

#### Pre-condition

The EHR or other clinical software system has received acknowledgement errors from an IIS.

#### Post-Condition

An acknowledgement report is generated from the EHR or other clinical software system or the report data has been exported to a reporting tool.

#### Test Objectives

**Acknowledgment Data Reporting:** The EHR or other clinical software system is able to generate an Aggregate Error Report using the acknowledgment error message data returned in the ACK response to a vaccine update message (VXU/Z22). The report data must include the following data elements:

- Clinic code and name
- Patient identifier
- Vaccination date
- IIS error severity
- IIS error code and description

The aggregate report functionality should include grouping and sorting by error code, clinic, and vaccination date. Drill-down capability by error or date should also be supported as it is important to support identifying the source of the data errors and to correct the issue.

#### Evaluation Criteria

The EHR or other clinical software is able to generate an Aggregate Error Report using the acknowledgement error message data returned in the ACK response to a vaccine update message (VXU/Z22). The export data must include the following data elements:

- clinic code and name,
- patient medical record number,
- vaccination date,
- IIS error severity,
- IIS error code and description, and
- vaccine type.

The aggregate report functionality should include grouping and sorting by error code, clinic, vaccination date, and vaccine type. Drill-down capability by error or date should also be supported as it is important to support identifying the source of the data errors and to correct the issue.

*This functionality may be accomplished either by leveraging reporting functionality to produce an Aggregate Error Report provided by the EMR or other clinical software system or, as an alternative to the creation of an Aggregate Error Report, the EHR or other clinical software system have the option to allow ACK data to be exported as described in the IIP Aggregate Immunization Acknowledgment Message Reports Guidance White Paper<sup>1</sup>.*

*Software developers who do not intend to incorporate aggregate acknowledgment report functionality must be able to support ACK data export functionality. This allows ACK messages received from an IIS to be downloaded in a common electronic format, including raw HL7, which can also be accessed by data analysts and/or third-party tools. The export functionality should allow the user to select a specified period and could have additional filtering capabilities.*

#### Notes

Developers should note which requirement is selected and need not demonstrate both requirements (capabilities). Whichever requirement is selected will be noted if a product achieves IIP recognition.

For the 2021-2022 year this capability is considered “discovery” and is not required.

Developers will be requested to walk through desktop testing to identify current or prospective approaches. They will demonstrate the capability if the functionality exists. The HIMSS IIP observer will record the process to evaluate whether this capability should be included in future testing.