

Release Notes

HIMSS Immunization Integration Program (IIP) Test Plan v11.0 (4/2025)

Updates to Post Pilot Test Plan v11.0

- minor fixes
- Re-ordering of ACK testing to better meet the SUT behavior
- Clarification of Forecast validation on SUT
- Movement of CDC WSDL testing from live testing to Attestation - Testing with the NIST CDC WSDL is only required for system which have not previously connect to an Immunization Information System (IIS)

The following information provides a high-level overview of the capabilities in the IIP test plan 11.0 version. Asterisks (*) indicate new capabilities/test group not included in the previous version. The “Test preparation - Data Load” capability contains new patients, vaccines, facilities, and configuration not part of the previous test plan.

In addition to the capabilities listed below, information related to specific test steps can be found under sections entitled “User Documentation” in the following documents:

- *HIMSS IIP Test Plan Requirements Document v11.0*
 - High-level overview of all requirements within the test plan
- *HIMSS IIP Test Plan v11.0 Job Aid*
 - To be used in conjunction with test steps referencing this job aid.
 - Assists testers with determining forecast dates based on current date of testing.
- *HIMSS IIP Test Plan Workflow Crosswalk v11.0*
 - This release of the IIP test plan is modular; each capability includes related functions performed for a set of patients. The crosswalk allows testers to follow a simulated real-world clinic workflow for individual patients addressing functional requirements across capabilities.
 - This approach enables retesting of a single requirement without having to complete all requirements for any respective capability.

The IIP test plan v11.0 includes the following eight capabilities:

2. Test Preparation – Data Load

- Patients
- Vaccines
- Facilities
- Public Health Program Configuration

3. Care Provision and Documentation

- Functional Requirements Associated with Capability:
 - Select patients
 - Enter patient provided immunization history
 - Display forecasts
 - Enter vaccine orders
 - Administer vaccines using 2D barcode (data matrix) scanning and via manual entry

- Produce printable patient immunization records
 - View and select dose level eligibility
 - Inform practitioners of selected vaccine products:
 - Past their expiration dates
 - With funding source inconsistent with patient's vaccine program eligibility
 - Containing antigens for which the patient has history of previous adverse event(s)
 - Record administration refusal
 - Produce cohort reports
4. Query, Response, and Reconciliation
 - Functional Requirements Associated with Capability:
 - Display local forecast
 - Transmit queries to IIS and receive responses
 - Compare and reconcile immunization information from IIS with existing information in the local patient record
 - Identify no match and non-exact match responses to queries
 5. Transmission and Acknowledgement
 - Functional Requirements Associated with Capability:
 - Transmit new vaccine administration and historical immunizations
 - Transmit update or delete messages regarding new administration records
 - Transmit immunization refusal
 - Transmit patient consent status
 - Receive and process acknowledgment messages (ACKs)
 6. Patient Access
 - Functional Requirements Associated with Capability:
 - Provide electronic access to patient's immunization records
 7. Clinical Configuration*
 - Functional Requirements Associated with Capability
 - Add new vaccine codes for newly developed/released vaccines
 - Add new vaccine product to inventory
 - Order and administer/record new vaccine product with newly added codes
 - Transmit and receive acknowledgement for vaccine administered with new codes
 - Update vaccine schedule based on changes to ACIP recommendations
 8. Use of the CDC WSDL for Transport*
 - Functional Requirements Associated with Capability:
 - Send and receive immunization messages using CDC SOAP-based WSDL
 9. Data Quality
 - Functional Requirements Associated with Capability:
 - Prevent critical data entry errors:
 - Entering a patient's DOB in the future or too far in the past
 - Administering a vaccine before the patient's DOB

This IIP test plan tests clients with NDC as the primary code set and CVX as an alternate code set: Submitting new immunization administrations require NDC codes, Submitting historical immunization administrations require CVX codes and can include NDC codes if known.

Note that rules for NDC – CVX configuration may vary among jurisdictions.

The VIS encoded value associated with the most current VIS for the vaccines evaluated in transmit messages can be found in the CDC VIS Lookup Table located here:

<https://www.cdc.gov/vaccines/programs/iis/code-sets/vis-barcode-lookup-table.html>