

### Description

Following the vaccinations given during the visit, the EHR transmits an Immunization report to the Immunization Registry using the VXU/Z22. The Vaccination report includes all newly administered vaccines. The report should include vaccines incorrectly recorded in the IIS. The report MAY send the immunizations that the EHR imported from the IIS.

### Comments

The report must include all newly administered vaccines in any order. The report should also include the corrected information where the EHR has different information than the IIS and may also include the information imported from the IIS.

### Pre-condition

The vaccines for the visit have been administered.

### Post-Condition

The Immunization Report has been transmitted to the IIS using a valid Z22 VXU in accordance with the test data correctly and without omission.

### Test Objectives

**Transmit Standard Patient Immunization History Report:** The EHR or other clinical software system directly or indirectly through an intermediary creates and transmits a report of a patient's newly administered or newly identified immunization history to public health immunization registries.

**Link Standard Codes to Immunization Data:** The EHR or other clinical software system links standard codes (i.e., LOINC for lab tests or evaluation tools, SNOMED CT for conditions or observations, NDC codes for current immunizations, CVX for historical immunizations, appropriate codes for administration site, route, method, etc.) to discrete data elements associated with an immunization.

Note: Testing for NDC codes, CVX for immunizations.

### Evaluation Criteria

The VXU/Z22 message passes validation using the NIST Immunization VXU Validation Tool (Z22) (context-free). The content of the message correctly reflects the test data (context-based) in accordance with the Test Data Specification and the Message Content.

### Notes

Sending information updated in the EHR back to the registry is an advanced function and some registries will not accept updates.

The test data anticipates that the entire vaccine history is included in the message transmitted to the registry. Due to variation in practice, it is acceptable for the message to include only new vaccinations or only new vaccinations with updated content. The tester should document such instances, and may augment the submitted test message with such missing 'history' in order to run the test without error.

All NDC coded values are required to use the 11-Character format that includes dashes ('-').