**Immunization Test Tool (HIMSS IIP) Release Notes for Version 1.9.7 September 15, 2020**

**HIMSS IIP CDC Test Plans changes**

**HIMSS Immunization Integration Program CDC Test Plan v9.0.6 STAGING**

This test plan is to be used for the testing of the HIMSS Immunization Integration Program: Immunization- Related Capabilities and Guidance developed under Contract-No: 200-2013-55961. All test cases are required to be executed. The test plan includes both functional and interoperability tests including Vaccine Update Notifications (HL7 V2.5.1 VXU/Z22) and Query and Response (Evaluated History and Forecast Group Z44/Z42).

This version is updated for use in the 2020/2021 test cycle. It is aligned with ONC 2015 Certification Criteria for § 170.315(f)(1) Transmission to Immunization Registries. This test plan is approved by ONC to demonstrate conformance to these criteria.

This interim release includes

* additional clarification in the notes offering additional guidance regarding variations such as:
  + Forecasting variation relating to patient age at the time the test is run
  + Clarification that the 11-digit NDC code with dashes is required,
* updates to products reflecting those available at the time of the documented vaccine, primarily for influenza vaccines with frequent product changes,
* date corrections to align the message content with the test instructions
* administration site corrections to to align the message content with the test instructions
* added testing for the requirement to Produce Vaccine History Report
* updates to use of EHR term and clarification that criteria applies to EHRs or other clinical software systems
* added testing for Select One or More Patients
* added testing for adding new vaccine codes
* added testing for Receive Dose Not Indicated Alert Upon Vaccine Administration
* added testing for Update Patient Immunization Schedule
* added testing for Provide Access to Printable Immunization
* added testing for Review Patient-Provided Immunization Information
* added testing for Provide Access to Update Immunization Information Record
* added testing for Notify Patients of Immunization Status
* added testing for SOAP-based CDC WSDL
* added testing for Data Quality Checks

**HIMSS Immunization Integration Program CDC Test Plan v8.1**

This test plan is to be used for the testing of the HIMSS Immunization Integration Program: Immunization- Related Capabilities and Guidance developed under Contract-No: 200-2013-55961. All test cases are required to be executed. The test plan includes both functional and interoperability tests including Vaccine Update Notifications (HL7 V2.5.1 VXU/Z22) and Query and Response (Evaluated History and Forecast Group Z44/Z42).

This version is updated for use in the 2019/2020 test cycle. It is aligned with ONC 2015 Certification Criteria for § 170.315(f)(1) Transmission to Immunization Registries. This test plan is approved by ONC to demonstrate conformance to these criteria.

This interim release includes

* additional clarification in the notes offering additional guidance regarding variations such as:
  + Forecasting variation relating to patient age at the time the test is run
  + Clarification that the 11-digit NDC code with dashes is required,
* updates to products reflecting those available at the time of the documented vaccine, primarily for influenza vaccines with frequent product changes,
* date corrections to align the message content with the test instructions
* administration site corrections to to align the message content with the test instructions
* added testing for the requirement to Produce Vaccine History Report

**Profile/Valueset/Constraints and ONC TestPlan changes**

**From ONC 1.9.7**

| **Test Case / Message Profile** | **Issue** | **Resolution** |
| --- | --- | --- |
| For Z22 messages | The CDC published an incorrect **Unit of Sale NDC** for the following 2019/2020 influenza seasonal vaccine:  FLUCELVAX QUADRIVALENT (PREFILLED SYRINGE)  NDC UoS 70461-031**8**-03  This incorrect UoS NDC was added to the Value Set in the NIST Immunization Test Suite | The corrected UoS NDC – 70461-031**9**-03 – has been substituted in the Value Set in the NIST Immunization Test Suite |
| For Z22 messages | The CDC published an incorrect **Unit of Use NDC** for the following 2019/2020 influenza seasonal vaccine:  FLUCELVAX QUADRIVALENT (PREFILLED SYRINGE)  NDC UoU 70461-031**8**-04  This incorrect UoU NDC was added to the Value Set in the NIST Immunization Test Suite | The corrected UoU NDC – 70461-031**9**-04 – has been substituted in the Value Set in the NIST Immunization Test Suite |
| For Z22 messages | NDC UoS 70461-0419-10 for FLUCELVAX QUADRIVALENT displays intermittently as  in the Value Set listing, and use of this NDC in a message causes an error notification to be generated by the NIST validator | The UoS NDC 70461-0419-10 has been corrected in the Value Set in the NIST Immunization Test Suite |
| Administration Group  Test Case:  IZ-AD-3\_No\_Consent  Test Step:  IZ-AD-3.1\_Send\_V04\_Z22 | Per the CDC, the VIS code (fully-encoded text string) 253088698300029511161202 for HPV Vaccine VIS has been updated to VIS code (fully-encoded text string) **253088698300029511191030** | In the VXU Example Message, theVIS code (fully-encoded text string) 253088698300029511161202 for HPV Vaccine VIS has been replaced with VIS code (fully-encoded text string) **253088698300029511191030.** |
| Administration Group  Test Case:  IZ-AD-4\_Delete\_Record  Test Step:  IZ-AD-4.1\_Send\_V04\_Z22 | Per the CDC, the VIS code (fully-encoded text string) 253088698300029511161202 for HPV Vaccine VIS has been updated to VIS code (fully-encoded text string) **253088698300029511191030** | In the VXU Example Message, theVIS code (fully-encoded text string) 253088698300029511161202 for HPV Vaccine VIS has been replaced with VIS code (fully-encoded text string) **253088698300029511191030.** |
| Administration Group  Test Case:  IZ-AD-1\_Admin\_Child  Test Step:  IZ-AD-1.1\_Send\_V04\_Z22 | Per the CDC, the VIS code (fully-encoded text string) 253088698300006611150402 for Haemophilus Influenzae type b VIS has been updated to **Hib Vaccine VIS** with VIS code (fully-encoded text string) **253088698300006611191030** | In the **VXU Example Message**, theVIS code (fully-encoded text string) 253088698300006611150402 and the Description Haemophilus Influenzae type b VIS have been replaced with **Hib Vaccine VIS** and VIS code (fully-encoded text string) **253088698300006611191030.**  In the **Test Data Specification**, theDocument Type Haemophilus Influenzae type b VIS has been changed to **Hib Vaccine VIS.** |
| Administration Group  Test Case:  IZ-AD-1\_Admin\_Child  Test Step:  IZ-AD-1.1\_Send\_V04\_Z22 | Per the CDC, the VIS code (fully-encoded text string) 253088698300015811151105 for Pneumococcal Conjugate (PCV13) VIS has been updated to **PCV13 VIS** with VIS code (fully-encoded text string) **253088698300015811191030** | In the **VXU Example Message**, theVIS code (fully-encoded text string) 253088698300015811151105 and the Description Pneumococcal Conjugate (PCV13) VIS have been replaced with **PCV13 VIS** and VIS code (fully-encoded text string) **253088698300015811191030.**  In the **Test Data Specification**, theDocument Type Pneumococcal Conjugate (PCV13) VIS has been changed to **PCV13 VIS.** |
| Administration Group  Test Case:  IZ-AD-1\_Admin\_Child  Test Step:  IZ-AD-1.1\_Send\_V04\_Z22 | Per the CDC, the VIS code (fully-encoded text string) 253088698300019611180223 for Rotavirus Vaccine VIS has been updated to VIS code (fully-encoded text string) **253088698300019611191030** | In the **VXU Example Message**, theVIS code (fully-encoded text string) 253088698300019611180223 and the Description Rotavirus VIS have been with **Rotavirus Vaccine VIS** and VIS code (fully-encoded text string) **253088698300019611191030.**  In the **Test Data Specification**, theDocument Type Rotavirus VIS has been changed to **Rotavirus Vaccine VIS.** |
| Administration Group  Test Case:  IZ-AD-1\_Admin\_Child  Test Step:  IZ-AD-1.1\_Send\_V04\_Z22 | Per the CDC, the VIS code (fully-encoded text string) 253088698300017211160720 for Polio Vaccine VIS has been updated to VIS code (fully-encoded text string) **253088698300017211191030** | In the **VXU Example Message**, theVIS code (fully-encoded text string) 253088698300017211160720 and the Description Polio VIS have been replaced with **Polio Vaccine VIS** and VIS code (fully-encoded text string) **253088698300017211191030.**  In the **Test Data Specification**, theDocument Type Polio VIS has been changed to **Polio Vaccine VIS.** |
| Administration Group  Test Case:  IZ-AD-9\_Admin\_IIS-2Warnings  Test Step:  IZ-AD-9.1\_Send\_V04\_Z22 | Per the CDC, the VIS code (fully-encoded text string) 253088698300017211160720 for Polio Vaccine VIS has been updated to VIS code (fully-encoded text string) **253088698300017211191030** | In the **VXU Example Message**, theVIS code (fully-encoded text string) 253088698300017211160720 and the Description Polio VIS have been replaced with **Polio Vaccine VIS** and VIS code (fully-encoded text string) **253088698300017211191030.**  In the **Test Data Specification**, theDocument Type Polio VIS has been changed to **Polio Vaccine VIS.** |

**From ONC 1.9.8**

| **Test Case / Message Profile** | **Issue** | **Resolution** |
| --- | --- | --- |

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| --- | --- | --- | --- |
| For Z22, Z32, and Z42 messages | Per the CDC, the **VIS Document Type Descriptions** have changed for the following VIS documents, and **new VIS codes (fully-encoded text strings)** have been added: | | The VIS **Descriptions** and associated VIS **Codes** have been added to the **PHVS\_VISBarcodes\_IIS Value Set** in the Immunization Test Suite |
| **New VIS Document Type Description** | **New VIS Code** |
| HPV Vaccine VIS | 253**0886983000295**11191030 |
| Cholera Vaccine VIS | 253**0886983000318**11191030 |
| Recombinant Zoster Vaccine VIS | 253**0886983000325**11191030 |
| Hib Vaccine VIS | 253**0886983000066**11191030 |
| PCV13 VIS | 253**0886983000158**11191030 |
| PPSV23 VIS | 253**0886983000165**11191030 |
| Polio Vaccine VIS | 253**0886983000172**11191030 |
| Rotavirus Vaccine VIS | 253**0886983000196**11191030 |
| Live Zoster Vaccine VIS | 253**0886983000202**11191030 |
| Typhoid VIS | 253**0886983000233**11191030 |

| **Test Case / Message Profile** | **Issue** | | **Resolution** |
| --- | --- | --- | --- |
| For Z22 messages | Per the CDC, a new **Unit of Sale NDC** has been added:  **49281-0120-65** for **FLUZONE High-Dose Quadrivalent** for the 2019/2020 season | | Update has been made to **NDC Unit of Sale Value Set** in the Immunization Test Suite; added:   * **Code**: 49281-0120-65 * **Code System**: NDC * **Description**: FLUZONE High-Dose Quadrivalent |
| For Z22 messages | Per the CDC, a new **Unit of Use NDC** has been added:  **49281-0120-88** for **FLUZONE High-Dose Quadrivalent** for the 2019/2020 season | | Update has been made to **NDC Unit of Use Value Set** in the Immunization Test Suite; added:   * **Code**: 49281-0120-88 * **Code System**: NDC * **Description**: FLUZONE High-Dose Quadrivalent |
| For Z22, Z32, and Z42 messages | Per the CDC, the following VIS documents have been updated: | | The new VIS **Descriptions** and associated VIS **Codes** have been added to the **PHVS\_VISBarcodes\_IIS Value Set** in the Immunization Test Suite |
| **Document Type Description (New)** | **VIS Fully-encoded Test String** |
| Adenovirus Vaccine VIS | 253088698300001111200108 |
| Anthrax Vaccine VIS | 253088698300002811200108 |
| Rabies Vaccine VIS | 253088698300018911200108 |
| For Z22, Z32, and Z42 messages | Per the CDC, new **CVX Code 197** for "influenza, high-dose seasonal, quadrivalent, preservative free" has been added as a late addition to the 2019/2020 influenza season to reflect this new quadrivalent product. | | Update has been made to the **CVX** **Value Set** in the Immunization Test Suite; added:   * **Code**: 197 * **Code System**: CVX * **Description**: influenza, high-dose seasonal, quadrivalent, preservative free |
| Administration Group  Test Case: IZ-AD-3\_No\_Consent  Test Step: IZ-AD-3.1\_Send\_V04\_Z22 | Values in OBX-5.1 in segments where OBX-3.1 is 30963-3 (Vaccine Funding Source), 64994-7 (Vaccine Funding Program Eligibility), or 69764-9 (Document Type) have Test Data Category set to “Value-Test Case Fixed”, but the validator is not generating error notifications when the test message does not use the Test Data provided for these fields. | | The OBX path in the constraint file has been corrected, and the appropriate error notifications are being generated. |
| Administration Group  Test Case: IZ-AD-9\_Admin\_IIS-2Warnings  Test Step: IZ-AD-9.1\_Send\_V04\_Z22  Test Case-level Testing Mode | IZ-AD-9.1\_Send\_V04\_Z22 is set to SEND when it should be set to RECEIVE; the Example Test Message loads automatically, and the Test Step Outcome is set to “Passed” automatically. The Type of Test Step is set to “TA\_INITIATOR” in the test case manager tool. | | The Type of Test Step has been corrected to “SUT\_INITIATOR” in the test case manager tool. |

**From ONC 1.9.9**

| **Test Case / Message Profile** | **Issue** | **Resolution** |
| --- | --- | --- |
| For Z22 messages | Per the CDC, new **Unit of Use NDCs** have been added:  IMOVAX RABIES 49281-0246-58  PENTACEL 49281-0544-58 & 49281-0561-01 | Updates have been made to **NDC Unit of Use Value Set** in the Immunization Test Suite; added:   * **Code**: 49281-0246-58 * **Code System**: NDC * **Description**: IMOVAX RABIES * **Code**: 49281-0544-58 * **Code System**: NDC * **Description**: PENTACEL * **Code**: 49281-0561-01 * **Code System**: NDC * **Description**: PENTACEL |
| For Z22 messages | Per the CDC, a new **Unit of Sale NDCs** have been added:  IMOVAX RABIES 49281-0252-51  PENTACEL 49281-0511-05 | Update has been made to **NDC Unit of Sale Value Set** in the Immunization Test Suite; added:   * **Code**: 49281-0252-51 * **Code System**: NDC * **Description**: IMOVAX RABIES * **Code**: 49281-0511-05 * **Code System**: NDC * **Description**: PENTACEL |
| Administration Group  Test Case: IZ-AD-1\_Admin\_Child  Test Step: IZ-AD-1.1\_Send\_V04\_Z22 | Per the CDC:  new **Unit of Use NDCs** have been added for PENATCEL:  49281-0544-58 & 49281-0561-01  A new **Unit of Sale NDC** has been added for PENATCEL:  49281-0511-05 | The NDCs 49281-0544-58, 49281-0561-01, and 49281-0511-05 have been added to the Test Case Fixed List for RXA[1]-5[1].1 in the Test Message for Test Step  IZ-AD-1.1\_Send\_V04\_Z22 |

**From ONC 1.9.10**

| **Test Case / Message Profile** | **Issue** | | **Resolution** |
| --- | --- | --- | --- |
| For Z22 messages | Per the CDC, the following **Unit of Sale NDCs** have been added:   * 49281-0181-25 for FLUZONE QUADRIVALENT SOUTHERN HEMISPHERE * 49281-0320-50 for FLUZONE QUADRIVALENT SOUTHERN HEMISPHERE * 49281-0336-15 for FLUZONE QUADRIVALENT SOUTHERN HEMISPHERE * 63361-0243-10 for VAXELIS | | Updates have been made to **NDC Unit of Sale Value Set** in the Immunization Test Suite; added:   * **Code**: 49281-0181-25 * **Code System**: NDC * **Description**: FLUZONE QUADRIVALENT SOUTHERN HEMISPHERE * **Code**: 49281-0320-50 * **Code System**: NDC * **Description**: FLUZONE QUADRIVALENT SOUTHERN HEMISPHERE * **Code**: 49281-0336-15 * **Code System**: NDC * **Description**: FLUZONE QUADRIVALENT SOUTHERN HEMISPHERE * **Code**: 63361-0243-10 * **Code System**: NDC * **Description**: VAXELIS |
| For Z22 messages | Per the CDC, the following **Unit of Use NDCs** have been added:   * 49281-0181-00 for FLUZONE QUADRIVALENT SOUTHERN HEMISPHERE * 49281-0320-88 for FLUZONE QUADRIVALENT SOUTHERN HEMISPHERE * 49281-0336-78 for FLUZONE QUADRIVALENT SOUTHERN HEMISPHERE * 63361-0243-58 for VAXELIS | | Updates have been made to **NDC Unit of Use Value Set** in the Immunization Test Suite; added:   * **Code**: 49281-0181-00 * **Code System**: NDC * **Description**: FLUZONE QUADRIVALENT SOUTHERN HEMISPHERE * **Code**: 49281-0320-88 * **Code System**: NDC * **Description**: FLUZONE QUADRIVALENT SOUTHERN HEMISPHERE * **Code**: 49281-0336-78 * **Code System**: NDC * **Description**: FLUZONE QUADRIVALENT SOUTHERN HEMISPHERE * **Code**: 63361-0243-58 * **Code System**: NDC * **Description**: VAXELIS |
| For Z22, Z32, and Z42 messages | Per the CDC, the following CVX codes have been added:   * CVX code 200, “influenza, seasonal, Southern Hemisphere, quadrivalent, pediatric 0.25mL dose, preservative free” * CVX code 201, “influenza, seasonal, Southern Hemisphere, quadrivalent, 0.5mL dose, no preservative” * CVX code 202, “influenza, seasonal, Southern Hemisphere, quadrivalent, 0.5mL dose, with preservative” | | Updates have been made to **CVX Value Set** in the Immunization Test Suite; added:   * **Code**: 200 * **Code System**: CVX * **Description**: influenza, seasonal, Southern Hemisphere, quadrivalent, pediatric 0.25mL dose, preservative free * **Code**: 201 * **Code System**: CVX * **Description**: influenza, seasonal, Southern Hemisphere, quadrivalent, 0.5mL dose, no preservative * **Code**: 202 * **Code System**: CVX * **Description**: influenza, seasonal, Southern Hemisphere, quadrivalent, 0.5mL dose, with preservative |
| For Z22, Z32, and Z42 messages | Per the CDC, the following VIS documents have been updated: | | The new VIS **Descriptions** and associated VIS **Codes** have been added to the **PHVS\_VISBarcodes\_IIS Value Set** in the Immunization Test Suite |
| **Document Type Description (New)** | **VIS Fully-encoded Test String** |
| DTaP (Diphtheria, Tetanus, Pertussis) Vaccine VIS | 253088698300003511200401 |
| Yellow Fever VIS | 253088698300025711200401 |
| Multi Pediatric Vaccines VIS | 253088698300026411200401 |
| Tetanus, Diphtheria, and Pertussis (Tdap) VIS | 253088698300027111200401 |
| Tetanus/Diphtheria (Td) Vaccine VIS | 253088698300028811200401 |
| Administration Group  Test Case: IZ-AD-1\_Admin\_Child  Test Step: IZ-AD-1.1\_Send\_V04\_Z22 | Per the CDC, the VIS code for the DTaP (Diphtheria, Tetanus, Pertussis) vaccine has been updated. | | VIS code 253088698300003511180824  was replaced with VIS code 253088698300003511200401 for the DTaP (Diphtheria, Tetanus, Pertussis) Vaccine in the VXU test message |
| Administration Group  Test Case: IZ-AD-2\_Admin\_Adult  Test Step: IZ-AD-2.1\_Send\_V04\_Z22 | Per the CDC, the VIS code for the Tetanus/Diphtheria (Td) vaccine has been updated. | | VIS code **253088698300028811170411** was replaced with VIS code **253088698300028811200401** for the Tetanus/Diphtheria (Td) vaccine in the VXU test message |
| Administration Group  Test Case: IZ-AD-9\_Admin\_IIS-2Warnings  Test Step: IZ-AD-9.1\_Send\_V04\_Z22 | Per the CDC, the VIS code for the DTaP (Diphtheria, Tetanus, Pertussis) vaccine has been updated. | | VIS code **253088698300003511180824** was replaced with VIS code **253088698300003511200401** for the DTaP (Diphtheria, Tetanus, Pertussis) Vaccine in the VXU test message |

**From ONC 1.9.11**

| **Test Case / Message Profile** | **Issue** | | **Resolution** |
| --- | --- | --- | --- |
| For Z22 messages | Per the CDC, the following **Unit of Sale NDCs** have been added:   * 33332-0220-20 for Afluria Quadrivalent * 33332-0320-01 for Afluria Quadrivalent * 33332-0420-10 for Afluria Quadrivalent * 70461-0020-03 for FLUAD * 70461-0120-03 for FLUAD Quadrivalent * 58160-0885-52 for FLUARIX QUADRIVALENT * 49281-0720-10 for Flublok Quadrivalent * 70461-0420-10 for FLUCELVAX QUADRIVALENT * 70461-0320-03 for FLUCELVAX QUADRIVALENT * 19515-0816-52 for Flulaval Quadrivalent * 49281-0120-65 for FLUZONE High-Dose Quadrivalent * 49281-0590-05 for MenQuadfi * 66019-0307-10 FluMist Quadrivalent | | Updates have been made to **NDC Unit of Sale Value Set** in the Immunization Test Suite; added:   * **Code**: 33332-0220-20 * **Code System**: NDC * **Description**: Afluria Quadrivalent * **Code**: 33332-0320-01 * **Code System**: NDC * **Description**: Afluria Quadrivalent * **Code**: 33332-0420-10 * **Code System**: NDC * **Description**: Afluria Quadrivalent * **Code**: 70461-0020-03 * **Code System**: NDC * **Description**: FLUAD * **Code**: 70461-0120-03 * **Code System**: NDC * **Description**: FLUAD Quadrivalent * **Code**: 58160-0885-52 * **Code System**: NDC * **Description**: FLUARIX QUADRIVALENT * **Code**: 49281-0720-10 * **Code System**: NDC * **Description**: Flublok Quadrivalent * **Code**: 70461-0420-10 * **Code System**: NDC * **Description**: FLUCELVAX QUADRIVALENT * **Code**: 70461-0320-03 * **Code System**: NDC * **Description**: FLUCELVAX QUADRIVALENT * **Code**: 19515-0816-52 * **Code System**: NDC * **Description**: Flulaval Quadrivalent * **Code**: 49281-0120-65 * **Code System**: NDC * **Description**: FLUZONE High-Dose Quadrivalent * **Code**: 49281-0590-05 * **Code System**: NDC * **Description**: MenQuadfi * **Code**: 66019-0307-10 * **Code System**: NDC * **Description**: FluMist Quadrivalent |
| For Z22 messages | Per the CDC, the following **Unit of Use NDCs** have been added:   * 33332-0220-21 for Afluria Quadrivalent * 33332-0320-02 for Afluria Quadrivalent * 33332-0420-11 for Afluria Quadrivalent * 70461-0020-04 for FLUAD * 70461-0120-04 for FLUAD Quadrivalent * 58160-0885-41 for FLUARIX QUADRIVALENT * 49281-0720-88 for Flublok Quadrivalent * 70461-0420-11 for FLUCELVAX QUADRIVALENT * 70461-0320-04 for FLUCELVAX QUADRIVALENT * 19515-0816-41 for Flulaval Quadrivalent * 49281-0120-88 for FLUZONE High-Dose Quadrivalent * 49281-0590-58 for MenQuadfi * 66019-0307-01 FluMist Quadrivalent | | Updates have been made to **NDC Unit of Use Value Set** in the Immunization Test Suite; added:   * **Code**: 33332-0220-21 * **Code System**: NDC * **Description**: Afluria Quadrivalent * **Code**: 33332-0320-02 * **Code System**: NDC * **Description**: Afluria Quadrivalent * **Code**: 33332-0420-11 * **Code System**: NDC * **Description**: Afluria Quadrivalent * **Code**: 70461-0020-04 * **Code System**: NDC * **Description**: FLUAD * **Code**: 70461-0120-04 * **Code System**: NDC * **Description**: FLUAD Quadrivalent * **Code**: 58160-0885-41 * **Code System**: NDC * **Description**: FLUARIX QUADRIVALENT * **Code**: 49281-0720-88 * **Code System**: NDC * **Description**: Flublok Quadrivalent * **Code**: 70461-0420-11 * **Code System**: NDC * **Description**: FLUCELVAX QUADRIVALENT * **Code**: 70461-0320-04 * **Code System**: NDC * **Description**: FLUCELVAX QUADRIVALENT * **Code**: 19515-0816-41 * **Code System**: NDC * **Description**: Flulaval Quadrivalent * **Code**: 49281-0120-88 * **Code System**: NDC * **Description**: FLUZONE High-Dose Quadrivalent * **Code**: 49281-0590-58 * **Code System**: NDC * **Description**: MenQuadfi * **Code**: 66019-0307-01 * **Code System**: NDC * **Description**: FluMist Quadrivalent |
| For Z22, Z32, and Z42 messages | Per the CDC, the following CVX codes have been added:   * CVX code 205, “influenza, seasonal vaccine, quadrivalent, adjuvanted, .5mL dose, preservative free” * CVX code 203, “meningococcal polysaccharide (groups A, C, Y, W-135) tetanus toxoid conjugate vaccine .5mL dose, preservative free” * CVX code 206, “smallpox monkeypox vaccine, live attenuated, preservative free (National Stockpile)” | | Updates have been made to **CVX Value Set** in the Immunization Test Suite; added:   * **Code**: 205 * **Code System**: CVX * **Description**: influenza, high-dose seasonal, quadrivalent, .7mL dose, preservative free * **Code**: 203 * **Code System**: CVX * **Description**: meningococcal polysaccharide (groups A, C, Y, W-135) tetanus toxoid conjugate vaccine .5mL dose, preservative free * **Code**: 206 * **Code System**: CVX * **Description**: smallpox monkeypox vaccine, live attenuated, preservative free (National Stockpile) |
| For Z22, Z32, and Z42 messages | Per the CDC, the CVX code 149 is for vaccine “influenza, live, intranasal, quadrivalent”. In the CVX Value Set in the NIST 2015 Edition Test Suite, the Description is “TDVAX” for CVX code 149 | | Correction has been made to the Description of CVX code 149 in the **CVX Value Set** in the Immunization Test Suite:   * **Code**: 149 * **Code System**: CVX * **Description**: influenza, live, intranasal, quadrivalent |
| For Z22, Z32, and Z42 messages | Per the CDC, the Description for the following CVX code has been changed:   * CVX code 197, changed from “influenza, high-dose seasonal, quadrivalent, preservative free” to “influenza, high-dose seasonal, quadrivalent, .7mL dose, preservative free” | | Update has been made to **CVX Value Set** in the Immunization Test Suite:   * **Code**: 197 * **Code System**: CVX * **New Description**: influenza, high-dose seasonal, quadrivalent, .7mL dose, preservative free |
| For Z22, Z32, and Z42 messages | Per the CDC, the following VIS document has been updated: | | The new VIS **Description** and associated VIS **Code** has been added to the **PHVS\_VISBarcodes\_IIS Value Set** in the Immunization Test Suite |
| **Document Type Description (New)** | **VIS Fully-encoded Test String** |
| Hepatitis A Vaccine VIS | 253088698300004211200728 |
| Administration Group  Test Case: IZ-AD-5\_Refusal  Test Step: IZ-AD-5.1\_Send\_V04\_Z22 | Per the CDC, the VIS code for the Hepatitis A vaccine has been updated. | | VIS code **253088698300004211160720**  was replaced with VIS code **253088698300004211200728**  for the Hepatitis A Vaccine in the VXU test message |
| Administration Group  Test Case: IZ-AD-6\_Update\_Record  Test Step: IZ-AD-6.1\_Send\_V04\_Z22 | Per the CDC, the VIS code for the Hepatitis A vaccine has been updated. | | VIS code **253088698300004211160720**  was replaced with VIS code **253088698300004211200728**  for the Hepatitis A Vaccine in the VXU test message |

**Specific Validation**

| **Issue** | **Resolution** |
| --- | --- |
| None |  |

**User Interface**

**From ONC 1.9.9**

| **Issue** | **Resolution** |
| --- | --- |
| Verbiage in a section on the Home page displays “The ONC 2015 Test Plan is used to certify Modules for the ï¿½170.315(f)(1) Transmission to Immunization Registries ONC criterion.” | This verbiage has been corrected to display “The ONC 2015 Test Plan is used to certify Modules for the §170.315(f)(1) Transmission to Immunization Registries ONC criterion.” |

**Core Functionality**

**From ONC 1.9.9**

| **Issue** | **Resolution** |
| --- | --- |
| In Context-free & Context-based Validation under the **ValueSets/ CDC\_HL7\_IZ and HL7 tabs** respectively, the **HL70396\_IZ and HL70396** Coding System tables have information in the “Code” column that is mis-aligned with the information in the “Description” column, starting with the Code “ALPHAID2006” for which the Description is blank.  For example, the Description for Code “ALPHAID2006” should be “German Alpha-ID v2006”, but this Description is listed for “ALPHAID2007”. | Starting with the Description “German Alpha-ID v2006”, all Description information has been moved up one row to align the Code information and Description information; for example, “German Alpha-ID v2006” is now listed for “ALPHAID2006”.  **For Code “X12DEnnnn”, the Description “ASC X12 Code List nnnn” is now listed.** |

**Documentation**

**From ONC 1.9.8**

| **Issue** | **Resolution** |
| --- | --- |
| In the *Immunization Tool Quick Reference Guide* document, use of the **Browse** button for uploading test message (when using Context-free or Context-based validation) needs clarification. | Verbiage for instructions changed to “Copy/paste, or click on **Browse** button to find test message, to upload test message into **Message Content** window.” in the updated quick reference guide. |
| In *Tutorial: Immunization Tool for HL7v2 Validation* document, use of the **Browse** button for uploading test message (when using Context-free, Context-based Test Step-level, or Context-based Test Case-level w/o automated transport validation) needs clarification. | Verbiage for instructions changed to “Copy/paste, or click on **Browse** button to find test message, to upload test message into **Message Content** window.” in the updated tutorial. |
| In the *Known Issues* document, item regarding Message Content pdfs for all Test Steps (where the Data (values) consist of many characters without a space, the Data over-write the information in the Categorization column) has been resolved | This item has been removed from the updated *Known Issues* document. |

**From ONC 1.9.11**

| **Issue** | **Resolution** |
| --- | --- |
| The NIST tool **Context-based validation** may generate an error notification when a test message is submitted in which Segments have been added and for which no test data have been provided for the Test Case. | An updated version of the Known Issues document, containing an explanation and recommended actions for test proctors and HIT vendors, has been posted on the tool’s Documentation Page |

**SOAP Functionality**

| **Test Case** | **Issue** | **Resolution** |
| --- | --- | --- |
| None |  |  |

**Improvements/Features**

|  |
| --- |
| None |

**Issues for a Future Release**

| **Test Case/if Applicable** | **Issue** |
| --- | --- |
| All Test Steps with a VXU message | In a VXU Context-based message where there are multiple OBX segments for each Order Group, if an OBX segment has OBX-3.1 populated with the 69764-9 LOINC code and has OBX-5.1 populated with an incorrect VIS ID, the Test Tool issues an Error notification that indicates   * in the **Path** information the VXU Order Group (e.g., “VXU\_V04.ORDER[1]”) within which the OBX with the error is contained and * in the **Line #** information the line number listed in the Message Content window for the ORC segment in that Order Group. * In the **Description** information that an Error has been found due to there being no OBX segment where OBX-3.1 is populated with the 69764-9 LOINC code and OBX-5.1 is populated with [an expected VIS ID] within in this Order Group.   The Path, Line #, and Description information may or may not be meaningful enough for a Tester to determine which OBX segment contains the VIS ID error.  The Tool will be modified to make the Error notification more specific and meaningful. |
| Context-free Data Quality Assurance (DQA) function | The DQA tab in the Context-free / VXU Z22 function has been removed in order to update the capability. The Tool will be modified with an updated version.  (Demonstration of how DQA is intended to function has been deleted from the updated Tool Tutorial.) |