**Immunization Test Tool Release Notes for Version 1.9.11 September 2, 2020**

**Data**

| **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**

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

**Core Functionality**

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

**Documentation**

| **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.) |