**Immunization Test Tool Release Notes for Version 1.9.15 April 19, 2021**

**Data**

| **Test Case / Message Profile** | **Issue** | | **Resolution** |
| --- | --- | --- | --- |
| For Z22 messages | Per the CDC, the following **Unit of Sale NDCs** have been added:   * 80777-0273-98 for Moderna COVID-19 Vaccine; CARTON, 10 MULTI-DOSE VIAL 7 mL EACH   Note: This UoS NDC is for a new larger fill multi-dose vial 7 mL, base number of extractable doses = 14. This vial has over-fill that allows 15 doses as a possible maximum that might be extractable. The UoS NDC for 5mL multi-dose vial remains active   * 49281-0182-25 for FLUZONE QUADRIVALENT SOUTHERN HEMISPHERE, PACKAGE, 10 SYRINGE, GLASS * 49281-0321-50 for FLUZONE QUADRIVALENT SOUTHERN HEMISPHERE, PACKAGE,10 SYRINGE, GLASS * 49281-0337-15 for FLUZONE QUADRIVALENT SOUTHERN HEMISPHERE, PACKAGE, 10 VIAL, MULTI-DOSE | | Updates have been made to the **NDC Unit of Sale Value Set** in the Immunization Test Suite; added:   * **Code**: 80777-0273-98 * **Code System**: NDC * **Description**: Moderna COVID-19 Vaccine; CARTON, 10 MULTI-DOSE VIAL 7 mL EACH * **Code**: 49281-0182-25 * **Code System**: NDC * **Description**: FLUZONE QUADRIVALENT SOUTHERN HEMISPHERE, PACKAGE, 10 SYRINGE, GLASS * **Code**: 49281-0321-50 * **Code System**: NDC * **Description**: FLUZONE QUADRIVALENT SOUTHERN HEMISPHERE, PACKAGE, 10 SYRINGE, GLASS * **Code**: 49281-0337-15 * **Code System**: NDC * **Description**: FLUZONE QUADRIVALENT SOUTHERN HEMISPHERE, PACKAGE, 10 SYRINGE, GLASS |
| For Z22 messages | Per the CDC, the following **Unit of Use NDCs** have been added:   * 80777-0273-15 for Moderna COVID-19 Vaccine; VIAL, 7 mL, MULTI-DOSE   Note: This UoU NDC is for a new larger fill multi-dose vial 7 mL, base number of extractable doses = 14. This vial has over-fill that allows 15 doses as a possible maximum that might be extractable. The UoU NDC for 5mL multi-dose vial remains active   * 49281-0182-00 for FLUZONE QUADRIVALENT SOUTHERN HEMISPHERE, Syringe, glass, .25 mL * 49281-0321-88 for FLUZONE QUADRIVALENT SOUTHERN HEMISPHERE, Syringe, glass, .5 mL * 49281-0337-78 for FLUZONE QUADRIVALENT SOUTHERN HEMISPHERE, Vial, 5 mL, MULTI-DOSE | | Updates have been made to the **NDC Unit of Use Value Set** in the Immunization Test Suite; added:   * **Code**: 80777-0273-15 * **Code System**: NDC * **Description**: Moderna COVID-19 Vaccine; VIAL, 7 mL, MULTI-DOSE * **Code**: 49281-0182-00 * **Code System**: NDC * **Description**: FLUZONE QUADRIVALENT SOUTHERN HEMISPHERE, Syringe, glass, .25 mL * **Code**: 49281-0321-88 * **Code System**: NDC * **Description**: FLUZONE QUADRIVALENT SOUTHERN HEMISPHERE, Syringe, glass, .5 mL * **Code**: 49281-0337-78 * **Code System**: NDC * **Description**: FLUZONE QUADRIVALENT SOUTHERN HEMISPHERE, Vial, 5 mL, MULTI-DOSE |
| For Z22, Z32, and Z42 messages | Per the CDC, the following CVX codes have been added:   * CVX Code 211, “SARS-COV-2 (COVID-19) vaccine, Subunit, recombinant spike protein-nanoparticle+Matrix-M1 Adjuvant, preservative free, 0.5mL per dose” for the new **Novavax** COVID-19 Vaccine * CVX Code **204**, “Ebola Zaire vaccine, live, recombinant, 1mL dose”   Note: This vaccine product is not yet FDA licensed and does not have approved NDCs   * **CVX Code 214,** “Ebola, unspecified” | | Updates have been made to the **CVX Value Set** in the Immunization Test Suite; added:   * **Code**: 211 * **Code System**: CVX * **Description**: SARS-COV-2 (COVID-19) vaccine, Subunit, recombinant spike protein-nanoparticle+Matrix-M1 Adjuvant, preservative free, 0.5mL per dose * **Code**: 204 * **Code System**: CVX * **Description**: Ebola Zaire vaccine, live, recombinant, 1mL dose * **Code**: 214 * **Code System**: CVX * **Description**: Ebola, unspecified |
| For Z22, Z32, and Z42 messages | Per the CDC, the following VIS document has been added (Note: the VIS code set is being used to provide the EUA Recipient/Caregiver Fact Sheet codes for EHRs/EMRs for use in a manner analogous to the electronic system and workflow documentation of VIS): | | 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** |
| COVID-19 Moderna Vaccine EUA Recipient-Caregiver Fact Sheet | 253088698300034911210401 |
| **ONC 2015 Test Plan**  Evaluated History and Forecast Group  Test Case: IZ-QR-1\_Query\_Child  Test Step: IZ-QR-1.1\_Query\_Q11\_Z44 | Test Step Description refers to an evaluated history and forecast for a young adult | | Test Step Description changed from “Query requests an evaluated history and forecast for a **young adult**” to “This query should return a response for a **child** where an evaluated history and forecast are found” |
| **ONC 2015 Test Plan**  Evaluated History and Forecast Group  Test Case: IZ-QR-1\_Query\_Child  Test Step: IZ-QR-1.2\_Response\_K11\_Z42 | Test Step Description lists “No Description” | | Test Step Description changed from “No Description” to “Return response to query for a child with an evaluated history and forecast” |
| **ONC 2015 Test Plan**  Evaluated History and Forecast Group  Test Case: IZ-QR-2\_Query\_Adult  Test Step: IZ-QR-2.1\_Query\_Q11\_Z44 | Test Step Description lists “No Description” | | Test Step Description changed from “No Description” to “This query should return a response for an adult where an evaluated history and forecast are found” |
| **ONC 2015 Test Plan**  Evaluated History and Forecast Group  Test Case: IZ-QR-2\_Query\_Adult  Test Step: .IZ-QR-2.2\_Response\_K11\_Z42 | Test Step Description lists “return response to query for an adult with historical smallpox vaccination”, but no smallpox vaccination information is in the test message | | Test Step Description changed from “return response to query for an adult with historical smallpox vaccination” to “Return response to query for an adult with an evaluated history and forecast” |
| **IZ COVID-19 Test Plan** | NIST wants to provide a set of Test Cases with example valid HL7 v2.5.1 messages populated with COVID-19 vaccination information for specific scenarios | | IZ COVID-19 Test Plan has been added to the NIST Immunization Test Suite on the Test Plan dropdown menu of the Context-based validation  **Note**: Certain list-displays and dropdown menus have changed due to addition of this Test Plan to the Test Suite |

**Specific Validation**

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

**User Interface**

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

**Core Functionality**

| **Issue** | **Resolution** |
| --- | --- |
|  |  |

**Documentation**

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

**SOAP Functionality**

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

**Improvements/Features**

|  |
| --- |
| None |

**Issues for a Future Release**

**ONC 2015 Test Plan**

| **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.) |