**Immunization Test Tool Release Notes for Version 2.0.9 August 9, 2022**

**Data**

| **Test Case / Message Profile** | **Issue** | **Resolution** |
| --- | --- | --- |
| For Z22 messages | Per the CDC, the following **Unit of Sale NDC**s have been added:   * 58160-0855-19 for **GSK** AS03 Adjuvant Solution   New NDC for the GSK AS03 Adjuvant to be mixed with the Sanofi COVID-19 vaccines   * 71665-0330-02 for Smallpox (Vaccinia) Vaccine, Live (National Stockpile) [ACAM2000] * 58160-0824-15 for Measles, Mumps, and Rubella Vaccine, Live [Priorix] * 00069-0297-10 for Tick-borne encephalitis, inactivated, PF, 0.25mL * 00069-0297-02 for Tick-borne encephalitis, inactivated, PF, 0.25mL   Per the CDC, the following Unit of Sale NDCs have been added for **the 2022/2023 Influenza Season**:   * 33332-0322-03 for Afluria Quadrivalent * 33332-0422-10 for Afluria Quadrivalent * 70461-0122-03 for FLUAD QUADRIVALENT * 58160-0890-52 for FLUARIX QUADRIVALENT * 49281-0722-10 for Flublok Quadrivalent Northern Hemisphere * 70461-0322-03 for FLUCELVAX QUADRIVALENT * 70461-0422-10 for FLUCELVAX QUADRIVALENT * 19515-0808-52 for Flulaval Quadrivalent * 49281-0122-65 for FLUZONE High-Dose Quadrivalent Northern Hemisphere * 49281-0422-10 for FLUZONE QUADRIVALENT * 49281-0422-50 for FLUZONE QUADRIVALENT * 49281-0637-15 for FLUZONE QUADRIVALENT | Updates have been made to the **NDC Unit of Sale Value Set** in the Immunization Test Suite  Added:   * **Code**: 58160-0855-19 * **Code System**: NDC * **Description**: **GSK** AS03 Adjuvant Solution * **Code**: 71665-0330-02 * **Code System**: NDC * **Description**: Smallpox (Vaccinia) Vaccine, Live (National Stockpile) [ACAM2000] * **Code**: 58160-0824-15 * **Code System**: NDC * **Description**: Measles, Mumps, and Rubella Vaccine, Live [Priorix] * **Code**: 00069-0297-10 * **Code System**: NDC * **Description**: Tick-borne encephalitis, inactivated, PF, 0.25mL * **Code**: 00069-0297-02 * **Code System**: NDC * **Description**: Tick-borne encephalitis, inactivated, PF, 0.25mL * **Code**: 33332-0322-03 * **Code System**: NDC * **Description**: Afluria Quadrivalent * **Code**: 33332-0422-10 * **Code System**: NDC * **Description**: Afluria Quadrivalent * **Code**: 70461-0122-03 * **Code System**: NDC * **Description**: FLUAD QUADRIVALENT * **Code**: 58160-0890-52 * **Code System**: NDC * **Description**: FLUARIX QUADRIVALENT * **Code**: 49281-0722-10 * **Code System**: NDC * **Description**: Flublok Quadrivalent Northern Hemisphere * **Code**: 70461-0322-03 * **Code System**: NDC * **Description**: FLUCELVAX QUADRIVALENT * **Code**: 70461-0422-10 * **Code System**: NDC * **Description**: FLUCELVAX QUADRIVALENT * **Code**: 19515-0808-52 * **Code System**: NDC * **Description**: Flulaval Quadrivalent * **Code**: 49281-0122-65 * **Code System**: NDC * **Description**: FLUZONE High-Dose Quadrivalent Northern Hemisphere * **Code**: 49281-0422-10 * **Code System**: NDC * **Description**: FLUZONE QUADRIVALENT * **Code**: 49281-0422-50 * **Code System**: NDC * **Description**: FLUZONE QUADRIVALENT * **Code**: 49281-0637-15 * **Code System**: NDC * **Description**: FLUZONE QUADRIVALENT |
| For Z22 messages | Per the CDC, the following **Unit of Use NDCs** have been added:   * 58160-0855-01 for **GSK** AS03 Adjuvant Solution   New NDC for the GSK AS03 Adjuvant to be mixed with the Sanofi COVID-19 vaccines   * 71665-0330-01 for Smallpox (Vaccinia) Vaccine, Live (National Stockpile) ACAM2000 * 58160-0831-03 for Measles, Mumps, and Rubella Vaccine, Live [Priorix] * 00069-0297-01 for Tick-borne encephalitis, inactivated, PF, 0.25mL   Per the CDC, the following Unit of Use NDCs have been added for **the 2022/2023 Influenza Season**:   * 33332-0322-04 for Afluria Quadrivalent * 33332-0422-11 for Afluria Quadrivalent * 70461-0122-04 for FLUAD QUADRIVALENT * 58160-0890-41 for FLUARIX QUADRIVALENT * 49281-0722-88 for Flublok Quadrivalent Northern Hemisphere * 70461-0322-04 for FLUCELVAX QUADRIVALENT * 70461-0422-11 for FLUCELVAX QUADRIVALENT * 19515-0808-41 for Flulaval Quadrivalent * 49281-0122-88 for FLUZONE High-Dose Quadrivalent Northern Hemisphere * 49281-0422-58 for FLUZONE QUADRIVALENT * 49281-0422-88 for FLUZONE QUADRIVALENT * 49281-0637-78 for FLUZONE QUADRIVALENT | Updates have been made to the **NDC Unit of Use Value Set** in the Immunization Test Suite  Added:   * **Code**: 58160-0855-01 * **Code System**: NDC * **Description**: **GSK** AS03 Adjuvant Solution * **Code**: 71665-0330-01 * **Code System**: NDC * **Description**: Smallpox (Vaccinia) Vaccine, Live (National Stockpile) ACAM2000 * **Code**: 58160-0831-03 * **Code System**: NDC * **Description**: Measles, Mumps, and Rubella Vaccine, Live [Priorix] * **Code**: 00069-0297-01 * **Code System**: NDC * **Description**: Tick-borne encephalitis, inactivated, PF, 0.25mL * **Code**: 33332-0322-04 * **Code System**: NDC * **Description**: Afluria Quadrivalent * **Code**: 33332-0422-11 * **Code System**: NDC * **Description**: Afluria Quadrivalent * **Code**: 70461-0122-04 * **Code System**: NDC * **Description**: FLUAD QUADRIVALENT * **Code**: 58160-0890-41 * **Code System**: NDC * **Description**: FLUARIX QUADRIVALENT * **Code**: 49281-0722-88 * **Code System**: NDC * **Description**: Flublok Quadrivalent Northern Hemisphere * **Code**: 70461-0322-04 * **Code System**: NDC * **Description**: FLUCELVAX QUADRIVALENT * **Code**: 70461-0422-11 * **Code System**: NDC * **Description**: FLUCELVAX QUADRIVALENT * **Code**: 19515-0808-41 * **Code System**: NDC * **Description**: Flulaval Quadrivalent * **Code**: 49281-0122-88 * **Code System**: NDC * **Description**: FLUZONE High-Dose Quadrivalent Northern Hemisphere * **Code**: 49281-0422-58 * **Code System**: NDC * **Description**: FLUZONE QUADRIVALENT * **Code**: 49281-0422-88 * **Code System**: NDC * **Description**: FLUZONE QUADRIVALENT * **Code**: 49281-0637-78 * **Code System**: NDC * **Description**: FLUZONE QUADRIVALENT |
| For Z22, Z32, and Z42 messages | Per the CDC, the following additions/modifications have been made to the **CVX** table:   * **CVX code 229** for SARS-COV-2 (COVID-19) vaccine, mRNA, spike protein, LNP, bivalent, preservative free, 50 mcg/0.5 mL dose   **This code was** added in anticipation of a Moderna EUA submission for a potential bivalent adult booster vaccine; is a pre-EUA Moderna bivalent adult booster for original strain + omicron strain  Modified Description:   * **CVX Code 206 description updated**   + “smallpox monkeypox vaccine, live attenuated, preservative free (National Stockpile)”   changed to   * + “Vaccinia, smallpox monkeypox vaccine, live attenuated, preservative free” | Updates have been made to the **CVX** **Value Set** in the Immunization Test Suite  Added:   * **Code**: 229 * **Code System**: CVX * **Description**: SARS-COV-2 (COVID-19) vaccine, mRNA, spike protein, LNP, bivalent, preservative free, 50 mcg/0.5 mL dose   Description Modified:   * **Code**: 206 * **Code System**: CVX * **Description**: Vaccinia, smallpox monkeypox vaccine, live attenuated, preservative free |
| For Z22, Z32, and Z42 messages | Per the CDC, the following CVX/VIS mapping addition has been made:   * **CVX Code 204** has been mapped to VIS barcode string 253088698300054711220630 for the Ebola Zaire vaccine, live, recombinant VIS | Update has been made to the **PHVS\_VISVaccines\_IIS** **Value Set** in the Immunization Test Suite  Added:   * **Code**: 204 * **Code System**: CVX * **Description**: Ebola Zaire vaccine, live, recombinant |
| For Z22, Z32, and Z42 messages | “allergy to baker���s yeast (anaphylactic)” was included erroneously in the **Description** column for **Code VXC18/Code System CDCPHINVS** in the **Vaccination Contraindication (IIS)** Value Set in the Immunization Test Suite**.** | “���” has been deleted from the Description for the VXC18 Code in the Vaccination Contraindication (IIS) Value Set. |

| **Message Profile** | **Issue** | | **Resolution** |
| --- | --- | --- | --- |
| For Z22, Z32, Z42 messages | Per the CDC, the following VIS document(s) and VIS Code(s) has/have been added: | | The new VIS document with its **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** |
|  | Ebola Vaccine VIS | 253088698300054711220630 |

**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.) |