**Immunization Test Tool Release Notes for Version 2.0.7 May 3, 2022**

**Data**

| **Test Case / Message Profile** | **Issue** | **Resolution** |
| --- | --- | --- |
| For Z22 messages | Per the CDC, the following **Unit of Sale NDC**s have been added:   * 49281-0322-50 for FLUZONE QUADRIVALENT SOUTHERN HEMISPHERE * 49281-0339-15 for FLUZONE QUADRIVALENT SOUTHERN HEMISPHERE * 49281-0618-20 for Sanofi Pasteur COVID-19 Vaccine, booster dose, adult | Updates have been made to the **NDC Unit of Sale Value Set** in the Immunization Test Suite  Added:   * **Code**: 49281-0322-50 * **Code System**: NDC * **Description**: FLUZONE QUADRIVALENT SOUTHERN HEMISPHERE * **Code**: 49281-0339-15 * **Code System**: NDC * **Description**: FLUZONE QUADRIVALENT SOUTHERN HEMISPHERE * **Code**: 49281-0618-20 * **Code System**: NDC * **Description**: Sanofi Pasteur COVID-19 Vaccine, booster dose, adult, 10 MULTI-DOSE VIALS, ANTIGEN ONLY |
| For Z22 messages | Per the CDC, the following **Unit of Use NDCs** have been added:   * 49281-0322-88 for FLUZONE QUADRIVALENT SOUTHERN HEMISPHERE * 49281-0339-78 for FLUZONE QUADRIVALENT SOUTHERN HEMISPHERE * 49281-0618-78 for Sanofi Pasteur COVID-19 Vaccine, booster dose, adult | Updates have been made to the **NDC Unit of Use Value Set** in the Immunization Test Suite  Added:   * **Code**: 49281-0322-88 * **Code System**: NDC * **Description**: FLUZONE QUADRIVALENT SOUTHERN HEMISPHERE * **Code**: 49281-0339-78 * **Code System**: NDC * **Description**: FLUZONE QUADRIVALENT SOUTHERN HEMISPHERE * **Code**: 49281-0618-78 * **Code System**: NDC * **Description**: Sanofi Pasteur COVID-19 Vaccine, booster dose, adult, VIAL, MULTI-DOSE, ANTIGEN |
| For Z22, Z32, and Z42 messages | Per the CDC, the following additions/modifications have been made to the **CVX** table:   * **CVX code 222** for Tick-borne encephalitis vaccine, unspecified * **CVX code 223** for Tick-borne encephalitis vaccine, inactivated, preservative free, 0.25mL dose * **CVX code 224** for Tick-borne encephalitis vaccine, inactivated, preservative free, 0.5mL dose   Per the CDC, the following additions have been made to the CVX table **for Moderna Pediatric COVID-19 Vaccines (pre-EUA):**   * **CVX code 227** for SARS-COV-2 (COVID-19) vaccine, mRNA, spike protein, LNP, preservative free, pediatric 50 mcg/0.5 mL dose * **CVX code 228** for SARS-COV-2 (COVID-19) vaccine, mRNA, spike protein, LNP, preservative free, pediatric 25 mcg/0.25 mL dose   Per the CDC, the following addition has been made to the CVX table **for Sanofi Pasteur Vaccine NDC Codes Added (pre-EUA):**   * **CVX code 225** for SARS-COV-2 (COVID-19) vaccine, D614, prefusion spike recombinant protein subunit (CoV2 preS dTM), AS03 adjuvant added, preservative free, 5mcg/0.5mL dose   Per the CDC, the following 6 new non-US CVX codes have been added (none are WHO-authorized):   * **CVX code 512** for SARS-COV-2 COVID-19 Virus Like Particle (VLP) Non-US Vaccine Product (Medicago, Covifenz)   + *ACIP does recognize towards immunity in US* * **CVX code 513** for SARS-COV-2 COVID-19 Protein Subunit Non-US Vaccine Product (Anhui Zhifei Longcom, Zifivax) * **CVX code 514** for SARS-COV-2 COVID-19 DNA Non-US Vaccine Product (Zydus Cadila, ZyCoV-D) * **CVX code 515** for SARS-COV-2 COVID-19 Protein Subunit Non-US Vaccine Product (Medigen, MVC-COV1901) * **CVX code 516** for SARS-COV-2 COVID-19 Inactivated Non-US Vaccine Product (Minhai Biotechnology Co, KCONVAC) * **CVX code 517** for SARS-COV-2 COVID-19 Protein Subunit Non-US Vaccine Product (Biological E Limited, Corbevax) | Updates have been made to the **CVX** **Value Set** in the Immunization Test Suite  Added:   * **Code**: 222 * **Code System**: CVX * **Description**: Tick-borne encephalitis vaccine, unspecified * **Code**: 223 * **Code System**: CVX * **Description**: Tick-borne encephalitis vaccine, inactivated, preservative free, 0.25mL dose * **Code**: 224 * **Code System**: CVX * **Description**: Tick-borne encephalitis vaccine, inactivated, preservative free, 0.5mL dose * **Code**: 227 * **Code System**: CVX * **Description**: SARS-COV-2 (COVID-19) vaccine, mRNA, spike protein, LNP, preservative free, pediatric 50 mcg/0.5 mL dose * **Code**: 228 * **Code System**: CVX * **Description**: SARS-COV-2 (COVID-19) vaccine, mRNA, spike protein, LNP, preservative free, pediatric 25 mcg/0.25 mL dose * **Code**: 512 * **Code System**: CVX * **Description**: SARS-COV-2 COVID-19 Virus Like Particle (VLP) Non-US Vaccine Product (Medicago, Covifenz) * **Code**: 513 * **Code System**: CVX * **Description**: SARS-COV-2 COVID-19 Protein Subunit Non-US Vaccine Product (Anhui Zhifei Longcom, Zifivax) * **Code**: 514 * **Code System**: CVX * **Description**: SARS-COV-2 COVID-19 DNA Non-US Vaccine Product (Zydus Cadila, ZyCoV-D) * **Code**: 515 * **Code System**: CVX * **Description**: SARS-COV-2 COVID-19 Protein Subunit Non-US Vaccine Product (Medigen, MVC-COV1901) * **Code**: 516 * **Code System**: CVX * **Description**: SARS-COV-2 COVID-19 Inactivated Non-US Vaccine Product (Minhai Biotechnology Co, KCONVAC) * **Code**: 517 * **Code System**: CVX * **Description**: SARS-COV-2 COVID-19 Protein Subunit Non-US Vaccine Product (Biological E Limited, Corbevax) * **Code**: 225 * **Code System**: CVX * **Description**: SARS-COV-2 (COVID-19) vaccine, D614, prefusion spike recombinant protein subunit (CoV2 preS dTM), AS03 adjuvant added, preservative free, 5mcg/0.5mL dose |
| For Z22, Z32, and Z42 messages | Per the CDC, the following CVX/VIS mapping addition has been made:   * **CVX Code** 221 has been mapped to the existing VIS barcode string 253088698300034911210601 for the current COVID-19 Moderna Vaccine EUA Recipient/Caregiver Fact SheetVIS | Update has been made to the **PHVS\_VISVaccines\_IIS** **Value Set** in the Immunization Test Suite  Added:   * **Code**: 221 * **Code System**: CVX * **Description**: Moderna, SARS-COV-2 (COVID-19) vaccine, mRNA, spike protein, LNP, preservative free, 50 mcg/0.5 mL dose |
| **ONC 2015 Test Plan**  **Test Case**: IZ-AD-1\_Admin\_Child  **Test Step**: IZ-AD-1.1\_Send\_V04\_Z22 | Per the CDC, a new VIS Document Barcode String – **253088698300049311220204** – is being used for the **Pneumococcal Conjugate Vaccine (PCV13\_PCV15\_PCV20) VIS** in place of the VIS Document Barcode String that was used previously for the **Pneumococcal Conjugate Vaccine (PCV13) VIS.**  The example Test Message currently provided for Test Step IZ-AD-1.1\_Send\_V04\_Z22 includes:  OBX|3|CE|69764-9^Document Type^LN|3|253088698300015811210806^Pneumococcal Conjugate Vaccine (PCV13) VIS^cdcgs1vis||||||F|||20150624 | In the Test Message for the IZ-AD-1.1\_Send\_V04\_Z22 Test Step, the **VIS code information** in the OBX segment has been changed:  OBX|3|CE|69764-9^Document Type^LN|3|**253088698300049311220204**^Pneumococcal Conjugate Vaccine (**PCV13\_PCV15\_PCV20**) VIS^cdcgs1vis||||||F|||20150624 |

**Specific Validation**

| **Issue** | **Resolution** |
| --- | --- |
| The Message Content Sheets do not display fields with Usage of O (Optional) even if test data are provided for those fields.  Therefore, in the COVID-19 Test Plan, the Message Content Sheets do not include the CVX code data supplied (per request of the CDC immunization SMEs) for the Optional RXA-5.4, .5, and .6 fields in the example test messages. | The Message Content Sheets have been updated:   * All Message Content Sheets display all fields for which associated data are provided regardless of Usage * The Message Content Sheets display the CVX code data supplied in RXA-5.4, .5, and .6 for the example messages in the COVID-19 Test Plan |

**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.) |