**Immunization Test Tool Release Notes for Version 2.0.1 August 11, 2021**

**Data**

| **Test Case / Message Profile** | **Issue** | **Resolution** |
| --- | --- | --- |
| For Z22 messages | Per the CDC, the following **Unit of Sale NDCs** have been added/ updated:  Added:   * 50632-0010-01 for RabAvert VIAL, SINGLE-DOSE, 1 mL   Updated:   * 63361-0243-10 for Vaxelis diphtheria and tetanus toxoids and acellular pertussis, inactivated poliovirus, haemophilus b conjugate and hepatitis b vaccine (DTaP-IPV-Hib-HepB) PACKAGE, 10 VIAL, SINGLE-DOSE * 63361-0243-15 for Vaxelis diphtheria and tetanus toxoids and acellular pertussis, inactivated poliovirus, haemophilus b conjugate and hepatitis b vaccine (DTaP-IPV-Hib-HepB) PACKAGE 10 SYRINGES * 00052-0603-02 for BCG VACCINE BACILLUS CALMETTE-GUERIN SUBSTRAIN TICE LIVE ANTIGEN CARTON   **For Seasonal Influenza, NDCs were added for the 2021/2022 Influenza Season**   * 19515-0818-52 for Flulaval Quadrivalent SYRINGE, .5 mL * 49281-0421-10 for FLUZONE QUADRIVALENT VIAL, .5 mL, SINGLE-DOSE * 49281-0421-50 for FLUZONE QUADRIVALENT SYRINGE, .5 mL * 58160-0887-52 for FLUARIX QUADRIVALENT SYRINGE, .5 mL * 49281-0635-15 for FLUZONE QUADRIVALENT VIAL, 5 mL, MULTI-DOSE * 49281-0521-25 for FLUZONE QUADRIVALENT SYRINGE, .25 mL * 70461-0321-03 for FLUCELVAX QUADRIVALENT SYRINGE, .5 mL * 49281-0721-10 for Flublok Quadrivalent Northern Hemisphere SYRINGE, .5 mL * 70461-0421-10 for FLUCELVAX QUADRIVALENT VIAL, 5 mL, MULTI-DOSE * 49281-0121-65 for FLUZONE High-Dose Quadrivalent Northern Hemisphere SYRINGE, .7 mL * 70461-0121-03 for FLUAD QUADRIVALENT SYRINGE, .5 mL | Updates have been made to the **NDC Unit of Sale Value Set** in the Immunization Test Suite  Added:   * **Code**: 50632-0010-01 * **Code System**: NDC * **Description**: RabAvert VIAL, SINGLE-DOSE, 1 mL   Modified Description:   * **Code**: 63361-0243-10 * **Code System**: NDC * **Description**: Vaxelis (DTaP-IPV-Hib-HepB) PACKAGE, 10 VIAL, SINGLE-DOSE * **Code**: 63361-0243-15 * **Code System**: NDC * **Description**: Vaxelis (DTaP-IPV-Hib-HepB) PACKAGE 10 SYRINGES * **Code**: 00052-0603-02 * **Code System**: NDC * **Description**: BCG VACCINE BACILLUS CALMETTE-GUERIN SUBSTRAIN TICE LIVE ANTIGEN CARTON   Added:   * **Code**: 19515-0818-52 * **Code System**: NDC * **Description**: Flulaval Quadrivalent SYRINGE, .5 mL * **Code**: 49281-0421-10 * **Code System**: NDC * **Description**: FLUZONE QUADRIVALENT VIAL, .5 mL, SINGLE-DOSE * **Code**: 49281-0421-50 * **Code System**: NDC * **Description**: FLUZONE QUADRIVALENT SYRINGE, .5 mL * **Code**: 58160-0887-52 * **Code System**: NDC * **Description**: FLUARIX QUADRIVALENT SYRINGE, .5 mL * **Code**: 49281-0635-15 * **Code System**: NDC * **Description**: FLUZONE QUADRIVALENT VIAL, 5 mL, MULTI-DOSE * **Code**: 49281-0521-25 * **Code System**: NDC * **Description**: FLUZONE QUADRIVALENT SYRINGE, .25 mL * **Code**: 70461-0321-03 * **Code System**: NDC * **Description**: FLUCELVAX QUADRIVALENT SYRINGE, .5 mL * **Code**: 49281-0721-10 * **Code System**: NDC * **Description**: Flublok Quadrivalent Northern Hemisphere SYRINGE, .5 mL * **Code**: 70461-0421-10 * **Code System**: NDC * **Description**: FLUCELVAX QUADRIVALENT VIAL, 5 mL, MULTI-DOSE * **Code**: 49281-0121-65 * **Code System**: NDC * **Description**: FLUZONE High-Dose Quadrivalent Northern Hemisphere SYRINGE, .7 mL * **Code**: 70461-0121-03 * **Code System**: NDC * **Description**: FLUAD QUADRIVALENT SYRINGE, .5 mL |
| For Z22 messages | Per the CDC, the following **Unit of Use NDCs** have been added/ updated:  Added:   * 50632-0013-01for RabAvert VIAL, SINGLE-DOSE, 1 mL   Updated:   * 63361-0243-58 for Vaxelis Diphtheria and Tetanus Toxoids and Acellular Pertussis Adsorbed, Inactivated Poliovirus, Haemophilus b Conjugate (Meningococcal Protein Conjugate) and Hepatitis B (Recombinant) Vaccine (DTaP-IPV-Hib-HepB dose for 6 wks through 4th yr) VIAL, SINGLE-DOSE * 63361-0243-88 for Vaxelis diphtheria and tetanus toxoids and acellular pertussis, inactivated poliovirus, haemophilus b conjugate and hepatitis b vaccine (DTap-IPV-Hib-HepB) SYRINGE, 0.5 mL * 00052-0603-01 for BCG VACCINE BACILLUS CALMETTE-GUERIN SUBSTRAIN TICE LIVE ANTIGEN VIAL   **For Seasonal Influenza, NDCs were added for the 2021/2022 Influenza Season**   * 19515-0818-41 for Flulaval Quadrivalent SYRINGE, .5 mL * 49281-0421-58 for FLUZONE QUADRIVALENT VIAL, .5 mL, SINGLE-DOSE * 49281-0421-88 for FLUZONE QUADRIVALENT SYRINGE, .5 mL * 58160-0887-41 for FLUARIX QUADRIVALENT SYRINGE, .5 mL * 49281-0635-78 for FLUZONE QUADRIVALENT VIAL, 5 mL, MULTI-DOSE * 49281-0521-00 for FLUZONE QUADRIVALENT SYRINGE, .25 mL * 70461-0321-04 for FLUCELVAX QUADRIVALENT SYRINGE, .5 mL * 49281-0721-88 for Flublok Quadrivalent Northern Hemisphere SYRINGE, .5 mL * 70461-0421-11 for FLUCELVAX QUADRIVALENT VIAL, 5 mL, MULTI-DOSE * 49281-0121-88 for FLUZONE High-Dose Quadrivalent Northern Hemisphere SYRINGE, .7 mL * 70461-0121-04 for FLUAD QUADRIVALENT SYRINGE, .5 mL | Updates have been made to the **NDC Unit of Use Value Set** in the Immunization Test Suite  Added:   * **Code**: 50632-0013-01 * **Code System**: NDC * **Description**: RabAvert VIAL, SINGLE-DOSE, 1 mL   Modified Description:   * **Code**: 63361-0243-58 * **Code System**: NDC * **Description**: Vaxelis (DTaP-IPV-Hib-HepB dose for 6 wks through 4th yr) VIAL, SINGLE-DOSE * **Code**: 63361-0243-88 * **Code System**: NDC * **Description**: Vaxelis (DTap-IPV-Hib-HepB) SYRINGE, 0.5 mL * **Code**: 00052-0603-01 * **Code System**: NDC * **Description**: BCG VACCINE BACILLUS CALMETTE-GUERIN SUBSTRAIN TICE LIVE ANTIGEN VIAL   Added:   * **Code**: 19515-0818-41 * **Code System**: NDC * **Description**: Flulaval Quadrivalent SYRINGE, .5 mL * **Code**: 49281-0421-58 * **Code System**: NDC * **Description**: FLUZONE QUADRIVALENT VIAL, .5 mL, SINGLE-DOSE * **Code**: 49281-0421-88 * **Code System**: NDC * **Description**: FLUZONE QUADRIVALENT SYRINGE, .5 mL * **Code**: 58160-0887-41 * **Code System**: NDC * **Description**: FLUARIX QUADRIVALENT SYRINGE, .5 mL * **Code**: 49281-0635-78 * **Code System**: NDC * **Description**: FLUZONE QUADRIVALENT VIAL, 5 mL, MULTI-DOSE * **Code**: 49281-0521-00 * **Code System**: NDC * **Description**: FLUZONE QUADRIVALENT SYRINGE, .25 mL * **Code**: 70461-0321-04 * **Code System**: NDC * **Description**: FLUCELVAX QUADRIVALENT SYRINGE, .5 mL * **Code**: 49281-0721-88 * **Code System**: NDC * **Description**: Flublok Quadrivalent Northern Hemisphere SYRINGE, .5 mL * **Code**: 70461-0421-11 * **Code System**: NDC * **Description**: FLUCELVAX QUADRIVALENT VIAL, 5 mL, MULTI-DOSE * **Code**: 49281-0121-88 * **Code System**: NDC * **Description**: FLUZONE High-Dose Quadrivalent Northern Hemisphere SYRINGE, .7 mL * **Code**: 70461-0121-04 * **Code System**: NDC * **Description**: FLUAD QUADRIVALENT SYRINGE, .5 mL |
| For Z22, Z32, and Z42 messages | Per the CDC, the following additions/modifications have been made to the **MVX** table:  Added:   * MSP for MSP Vaccine Company (partnership Merck and Sanofi Pasteur)   Modified:   * PAX Manufacturer name changed from “PaxVax” to “Emergent Travel Health, Inc”   Per the CDC, the following MVX codes have been added for the WHO- authorized COVID-19 non-US vaccines:   * SPH for Sinopharm-Biotech * SNV for Sinovac | Updates have been made to the **MVX** **Value Set** in the Immunization Test Suite  Added:   * **Code**: MSP * **Code System**: MVX * **Description**: MSP Vaccine Company * **Code**: SPH * **Code System**: MVX * **Description**: Sinopharm-Biotech * **Code**: SNV * **Code System**: MVX * **Description**: Sinovac   Modified Description:   * **Code**: PAX * **Code System**: MVX * **Description**: Emergent Travel Health, Inc |
| For Z22, Z32, and Z42 messages | Per the CDC, the following additions/modifications have been made to the **CVX** table to incorporate international tradenames that may appear on non-US vaccine records for US- and WHO-authorized COVID-19 vaccines   * CVX Code 207 for the Moderna COVID-19 Vaccine (non-US tradename is Spikevax) * CVX Code 208 for the Pfizer-BioNTech COVID-19 Vaccine (Non-US tradename is COMIRNATY) * CVX Code 210 for the AstraZeneca COVID-19 Vaccine (Non-US tradenames include VAXZEVRIA, COVISHIELD) * CVX code 510 for the Sinopharm (BIBP) COVID-19 Vaccine * CVX code 511 for the Coronavac (Sinovac) COVID-19 Vaccine | Updates have been made to the **CVX** **Value Set** in the Immunization Test Suite  Modified Description:   * **Code**: 207 * **Code System**: CVX * **Description**: Moderna COVID-19 Vaccine (non-US tradename is Spikevax) * **Code**: 208 * **Code System**: CVX * **Description**: Pfizer-BioNTech COVID-19 Vaccine (Non-US tradename is COMIRNATY) * **Code**: 210 * **Code System**: CVX * **Description**: AstraZeneca COVID-19 Vaccine (Non-US tradenames include VAXZEVRIA, COVISHIELD)   Added:   * **Code**: 510 * **Code System**: CVX * **Description**: Sinopharm (BIBP) COVID-19 Vaccine * **Code**: 511 * **Code System**: CVX * **Description**: Coronavac (Sinovac) COVID-19 Vaccine |

**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.) |