**Immunization Test Tool Release Notes for Version 1.9.6 October 22, 2019**

**Data**

| **Test Case / Message Profile** | **Issue** | | **Resolution** |
| --- | --- | --- | --- |
| For Z22, Z32, and Z42 messages | Per the CDC, a new **CVX** code has been added:  196 – tetanus and diphtheria toxoids, adsorbed, preservative free, for adult use, Lf unspecified | | Update has been made to the **CVX** **Value Set** in the Immunization Test Suite; added:   * **Code**: 196 * **Code System**: CVX * **Description**: tetanus and diphtheria toxoids, adsorbed, preservative free, for adult use, Lf unspecified |
| For Z22, Z32, and Z42 messages | Per the CDC, the **MVX** code **TVA** (TEVA Pharmaceuticals USA) has been added. | | Update has been made to the **MVX** **Value Set** in the Immunization Test Suite; added:   * **Code**: TVA * **Code System**: MVX * **Description**: TEVA Pharmaceuticals USA |
| For Z22 messages | Per the CDC, the following 2019/2020 influenza seasonal vaccine **Unit of Use NDCs** have been added: | | Updates have been made to the **NDC Unit of Use Value Set** in the Immunization Test Suite; added the 2019/2020 influenza seasonal vaccines. |
| **Description** | **NDC** |
| Afluria Quadrivalent | 33332-0219-21 |
| Afluria Quadrivalent | 33332-0319-02 |
| Afluria Quadrivalent | 33332-0419-11 |
| FLUAD | 70461-0019-04 |
| FLUARIX QUADRIVALENT | 58160-0896-41 |
| Flublok Quadrivalent | 49281-0719-88 |
| Flulaval Quadrivalent | 19515-0897-01 |
| Flulaval Quadrivalent | 19515-0906-41 |
| FLUZONE High-Dose | 49281-0405-88 |
| FLUZONE QUADRIVALENT | 49281-0419-58 |
| FLUZONE QUADRIVALENT | 49281-0631-78 |
| FLUZONE QUADRIVALENT | 49281-0419-88 |
| FLUZONE QUADRIVALENT | 49281-0519-00 |  |
| For Z22 messages | Per the CDC, the following 2019/2020 influenza seasonal vaccine **Unit of Sale NDCs** have been added: | | Updates have been made to the **NDC Unit of Sale Value Set** in the Immunization Test Suite; added the 2019/2020 influenza seasonal vaccines. |
| **Description** | **NDC** |
| Afluria Quadrivalent | 33332-0219-20 |
| Afluria Quadrivalent | 33332-0319-01 |
| Afluria Quadrivalent | 33332-0419-10 |
| FLUAD | 70461-0019-03 |
| FLUARIX QUADRIVALENT | 58160-0896-52 |
| Flublok Quadrivalent | 49281-0719-10 |
| Flulaval Quadrivalent | 19515-0897-11 |
| Flulaval Quadrivalent | 19515-0906-52 |
| FLUZONE High-Dose | 49281-0405-65 |
| FLUZONE QUADRIVALENT | 49281-0419-10 |
| FLUZONE QUADRIVALENT | 49281-0631-15 |
| FLUZONE QUADRIVALENT | 49281-0419-50 |
| FLUZONE QUADRIVALENT | 49281-0519-25 |
| For Z22, Z32, and Z42 messages | Per the CDC, the **VIS Document Type Descriptions** have changed for the following VIS documents, and **new VIS codes (fully-encoded text strings)** have been added: | | The VIS **Descriptions** and associated VIS **Codes** have been added to the **PHVS\_VISBarcodes\_IIS Value Set** in the Immunization Test Suite |
| **Description** | **Code** |
| Hepatitis B Vaccine VIS | 253088698300005911190815 |
| Live Attenuated Influenza Vaccine VIS | 253088698300009711190815 |
| Inactivated Influenza Vaccine VIS | 253088698300010311190815 |
| Japanese Encephalitis Vaccine VIS | 253088698300011011190815 |
| MMR Vaccine VIS | 253088698300012711190815 |
| MMRV Vaccine VIS | 253088698300013411190815 |
| Meningococcal ACWY Vaccine VIS | 253088698300014111190815 |
| Varicella Vaccine VIS | 253088698300024011190815 |
| Meningococcal B  Vaccine VIS | 253088698300030111190815 |
| Administration Group  Test Case:  **IZ-AD-9\_Admin\_IIS-2Warnings**  Test Step:  **IZ-AD-9.1\_Send\_V04\_Z22** | Per the CDC, the VIS code (fully-encoded text string) 253088698300013411180212 for MMRV Vaccine (updated to **MMRV Vaccine VIS**) has been updated to VIS code (fully-encoded text string) **253088698300013411190815** | | In the VXU Example Message, Measles/Mumps/Rubella/Varicella VIS has been changed to **MMRV Vaccine VIS** and theVIS code (fully-encoded text string) 253088698300013411180212 has been replaced with VIS code (fully-encoded text string) **253088698300013411190815** |

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| For Z22 messages | Per the CDC, the following 2019/2020 influenza seasonal vaccine **Unit of Sale NDCs** have been added: | | | Updates have been made to the **NDC Unit of Sale Value Set** in the Immunization Test Suite; added the indicated 2019/2020 influenza seasonal vaccines. |
| FLUCELVAX QUADRIVALENT | | 70461-0419-10 |
| FLUCELVAX QUADRIVALENT | | 70461-0319-03 |
| FLUCELVAX QUADRIVALENT (PREFILLED SYRINGE) | | 70461-0318-03 |
| For Z22 messages | Per the CDC, the following 2019/2020 influenza seasonal vaccine **Unit of Use NDCs** have been added: | | | Updates have been made to the **NDC Unit of Use Value Set** in the Immunization Test Suite; added the indicated 2019/2020 influenza seasonal vaccines. |
| FLUCELVAX QUADRIVALENT | | 70461-0419-11 |
| FLUCELVAX QUADRIVALENT | | 70461-0319-04 |
| FLUCELVAX QUADRIVALENT (PREFILLED SYRINGE) | | 70461-0318-04 |
| For Z22 messages | Per the CDC, **Unit of Use NDC** **49281-0548-58** (labeled PENTACEL) replaces NDC 49281-560-05 (labeled ActHIB - now retired). | | | Update has been made to the **NDC Unit of Use Value Set** in the Immunization Test Suite; added:   * Code: 49281-0548-58 * Description: Pentacel |
| For Z22 messages | Per the CDC, the following **Unit of Use NDCs** have been added: | | | These NDCs have been added to the **NDC Unit of Use Value Set** in the Immunization Test Suite |
| FluMist Quadrivalent | 66019-0306-01 | |
| DENGVAXIA | 49281-0606-58 | |
| For Z22 messages | Per the CDC, the following **Unit of Sale NDCs** have been added: | | | These NDCs have been added to the **NDC Unit of Sale Value Set** in the Immunization Test Suite |
| FluMist Quadrivalent | 66019-0306-10 | |
| DENGVAXIA | 49281-0605-01 | |

**Specific Validation**

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

**User Interface**

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

**Core Functionality**

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

**Documentation**

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

**SOAP Functionality**

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

**Improvements/Features**

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| 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.) |