**Immunization Test Tool Release Notes for Version 1.9.1 September 19, 2018**

**Data**

| **Test Case / Message Profile** | **Issue** | **Resolution** |
| --- | --- | --- |
| For Z22, Z32, and Z42 messages | Per the CDC, the **DTaP (Diphtheria, Tetanus, Pertussis) Vaccine VIS** has been changed to **253088698300003511180824** | Update has been made to the **PHVS\_VISBarcodes\_IIS** **Value Set** in the Immunization Test Suite; added:   * **Description**: DTaP (Diphtheria, Tetanus, Pertussis) Vaccine * **VIS Code**: 253088698300003511180824 |
| For Z22, Z32, and Z42 messages | Per the CDC, the **Meningococcal ACWY Vaccines VIS** has been changed to **253088698300014111180824** | Update has been made to the **PHVS\_VISBarcodes\_IIS** **Value Set** in the Immunization Test Suite; added:   * **Description**: Meningococcal ACWY Vaccines * **VIS Code**: 253088698300014111180824 |
| Administration Group  Test Case: IZ-AD-1\_Admin\_Child  Test Step: IZ-AD-1.1\_Send\_V04\_Z22 | Per the CDC, the VIS code for **DTaP (Diphtheria, Tetanus, Pertussis) Vaccine** has been changed to **253088698300003511180824** | VIS code 253088698300003511070517 has been replaced with VIS code **253088698300003511180824** for the **DTaP (Diphtheria, Tetanus, Pertussis)** vaccine in the **VXU Example Message** |
| 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 for **DTaP (Diphtheria, Tetanus, Pertussis) Vaccine** has been changed to **253088698300003511180824** | VIS code 253088698300003511070517 has been replaced with VIS code **253088698300003511180824** for the **DTaP (Diphtheria, Tetanus, Pertussis)** vaccine in the **VXU Example Message** |
| For Z22, Z32, and Z42 messages | Per the CDC, a new **CVX** code has been created for a foreign use vaccine:   * 193 – hepatitis A and hepatitis B vaccine, pediatric/adolescent (non-US)   This CVX code has been assigned to the vaccine groups for HepA and HepB | Update has been made to the **CVX** Value Set in the Immunization Test Suite; added:   * **Code**: 193 * **Code System**: CVX * **Description**: hepatitis A and hepatitis B vaccine, pediatric/adolescent (non-US) |
| For Z22 messages | Per the CDC, the following NDCs have been added to the **Unit of Use**   * 19515-**0**900-01 * 19515-**0**909-41 * 33332-**0**018-02 * 33332-**0**118-11 * 33332-**0**318-02 * 33332-**0**418-11 * 43528-**0**003-01 * 49281-**0**403-88 * 49281-**0**418-58 * 49281-**0**418-88 * 49281-**0**518-00 * 49281-**0**629-78 * 50090-3469-**0**9 * 58160-**0**898-41 * 50090-1693-**1**0 (corrected 50090-1693-**0**0) * 70461-**0**018-04 | Updates have been made to the **NDC Unit of Use Value Set** in the Immunization Test Suite; added:   * **Description:** Flulaval Quadrivalent Influenza vaccine, quadrivalent (2018-2019) * **NDC Code:** 19515-0900-01 * **Description:** Flulaval Quadrivalent Influenza vaccine, quadrivalent (2018-2019) * **NDC Code:** 19515-0909-41 * **Description:** Afluria influenza vaccine (2018-2019) * **NDC Code:** 33332-0018-02 * **Description:** Afluria influenza vaccine (2018-2019) * **NDC Code:** 33332-0118-11 * **Description:** Afluria Quadrivalent influenza vaccine, quadrivalent (2018-2019) * **NDC Code:** 33332-**0**318-02 * **Description:** Afluria Quadrivalent influenza vaccine, quadrivalent (2018-2019)   **NDC Code:** 33332-**0**418-11   * **Description:** HEPLISAV-B HEPATITIS B VACCINE (RECOMBINANT)   **NDC Code:** 43528-**0**003-01   * **Description:** Fluzone High Dose Influenza vaccine (2018-2019) * **NDC Code:** 49281-**0**403-88 * **Description:** Fluzone Quadrivalent influenza vaccine, quadrivalent (2018-2019) * **NDC Code:** 49281-**0**418-58 * **Description:** Fluzone Quadrivalent influenza vaccine, quadrivalent (2018-2019) * **NDC Code:** 49281-**0**418-88 * **Description:** Fluzone Quadrivalent influenza vaccine, quadrivalent (2018-2019) * **NDC Code:** 49281-**0**518-00 * **Description:** Fluzone Quadrivalent influenza vaccine, quadrivalent (2018-2019) * **NDC Code:** 49281-**0**629-78 * **Description:** HEPLISAV-B HEPATITIS B VACCINE (RECOMBINANT) * **NDC Code:** 50090-3469-**0**9 * **Description:** Fluarix Quadrivalent Influenza vaccine, quadrivalent (2018-2019) * **NDC Code:** 58160-**0**898-41 * **Description:** IPOL POLIOVIRUS TYPE 1, 2 and 3 ANTIGEN (FORMALDEHYDE INACTIVATED) * **NDC Code:** 50090-1693-**0**0 * **Description:** Fluad influenza vaccine (2018-2019) * **NDC Code:** 70461-**0**018-04 |
| For Z22 messages | Per the CDC, the following NDCs have been added to the **Unit of Use**   * 66019-0305-01 * 70461-0318-04 * 70461-0418-11 | Updates have been made to the **NDC Unit of Use Value Set** in the Immunization Test Suite; added:   * **Description:** FluMist Quadrivalent (2018-2019 flu season) * **NDC Code:** 66019-0305-01 * **Description:** Flucelvax Quadrivalent (2018-2019 flu season) * **NDC Code:** 70461-0318-04 * **Description:** Flucelvax Quadrivalent (2018-2019 flu season) * **NDC Code:** 70461-0418-11 |
| For Z22 messages | Per the CDC, the following NDCs have been added to the **Unit of Sale**   * 19515-**0**900-11 * 19515-**0**909-52 * 33332-**0**018-01 * 33332-**0**118-10 * 33332-**0**318-01 * 33332-**0**418-10 * 43528-**0**003-05 * 49281-**0**403-65 * 49281-**0**418-10 * 49281-**0**418-50 * 49281-**0**518-25 * 49281-**0**629-15 * 50090-3469-**0**0 * 58160-**0**898-52 * 50090-1693-**0**9 * 50090-3096-**0**0 * 70461-**0**018-03 | Updates have been made to the **NDC Unit of Sale Value Set** in the Immunization Test Suite; added:   * **Description:** Flulaval Quadrivalent Influenza vaccine, quadrivalent (2018-2019) * **NDC Code:** 19515-0900-11 * **Description:** Flulaval Quadrivalent Influenza vaccine, quadrivalent (2018-2019) * **NDC Code:** 19515-0909-52 * **Description:** Afluria influenza vaccine (2018-2019) * **NDC Code:** 33332-**0**018-01 * **Description:** Afluria influenza vaccine (2018-2019) * **NDC Code:** 33332-**0**118-10 * **Description:** Afluria Quadrivalent influenza vaccine, quadrivalent (2018-2019) * **NDC Code:** 33332-**0**318-01 * **Description:** Afluria Quadrivalent influenza vaccine, quadrivalent (2018-2019)   **NDC Code:** 33332-**0**418-10   * **Description:** HEPLISAV-B HEPATITIS B VACCINE (RECOMBINANT)   **NDC Code:** 43528-**0**003-05   * **Description:** Fluzone High Dose Influenza vaccine (2018-2019) * **NDC Code:** 49281-**0**403-65 * **Description:** Fluzone Quadrivalent influenza vaccine, quadrivalent (2018-2019) * **NDC Code:** 49281-**0**418-10 * **Description:** Fluzone Quadrivalent influenza vaccine, quadrivalent (2018-2019) * **NDC Code:** 49281-**0**418-50 * **Description:** Fluzone Quadrivalent influenza vaccine, quadrivalent (2018-2019) * **NDC Code:** 49281-**0**518-25 * **Description:** Fluzone Quadrivalent influenza vaccine, quadrivalent (2018-2019) * **NDC Code:** 49281-**0**629-15 * **Description:** HEPLISAV-B HEPATITIS B VACCINE (RECOMBINANT) * **NDC Code:** 50090-3469-**0**0 * **Description:** Fluarix Quadrivalent Influenza vaccine, quadrivalent (2018-2019) * **NDC Code:** 58160-**0**898-52 * **Description:** IPOL POLIOVIRUS TYPE 1, 2 and 3 ANTIGEN (FORMALDEHYDE INACTIVATED) * **NDC Code:** 50090-1693-**0**9 * **Description:** RabAvert * **NDC Code:** 50090-3096-**0**0 * **Description:** Fluad influenza vaccine (2018-2019) * **NDC Code:** 70461-**0**018-03 |
| For Z22 messages | Per the CDC, the following NDCs have been added to the **Unit of Sale**   * 66019-0305-10 * 70461-0318-03 * 70461-0418-10 | Updates have been made to the **NDC Unit of Sale Value Set** in the Immunization Test Suite; added:   * **Description:** FluMist Quadrivalent (2018-2019 flu season) * **NDC Code:** 66019-0305-10 * **Description:** Flucelvax Quadrivalent (2018-2019 flu season) * **NDC Code:** 70461-0318-03 * **Description:** Flucelvax Quadrivalent (2018-2019 flu season) * **NDC Code:** 70461-0418-10 |
| For Z22 messages | Per the CDC, the following **NDC** was previously documented as a 2017/2018 season product but is actually a 2018/2019 product   * 49281-0718-88 | Update has been made to the **NDC Unit of Use Value Set** in the Immunization Test Suite; added:   * **Description:** Flublok Quadrivalent influenza, quadrivalent, recombinant (2018-2019) * **NDC Code:** 49281-0718-88 |

**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** |
| --- | --- | --- |
| SOAP Connectivity Validation   * SOAPCON\_3\_SubmitSingleMessage\_Message | This test case currently evaluates the capability of a sender technology to connect to an immunization information system (IIS) and (using the example test message provided) to generate and transmit a message conforming to the SOAP 1.2 standard and CDC WSDL 1.0 that may be used for transporting an HL7 message to an IIS.  Users currently cannot edit the example test HL7 message and have the response validated by the SOAP validation function. | This test case has been updated to allow users to edit the test HL7 message to be sent to their IIS.  The response to this message is then validated by the SOAP Connectivity validation function.  This change makes the NIST tool more flexible in testing SOAP usage with sites having specific local requirements regarding the HL7 message content. |

**Improvements/Features**

|  |
| --- |
| 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.) |