**Immunization Test Tool Release Notes for Version 1.9.0 July 12, 2018**

**Data**

| **Test Case / Message Profile** | **Issue** | **Resolution** |
| --- | --- | --- |
| 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 **Rotavirus** has been updated. | VIS code 253088698300019611150415 has been replaced with VIS code 253088698300019611180223 for the **Rotavirus** vaccine in the VXU Example Message |
| For Z22, Z32, and Z42 messages | Per the CDC, the VIS code for **Rotavirus** has been updated. | Update has been made to the **PHVS\_VISBarcodes\_IIS** **Value Set** in the Immunization Test Suite; added:   * **Description**: **Rotavirus Vaccine**   **VIS Code**: 253088698300019611180223 |
|  | Per the CDC, the VIS code for **Anthrax** has been updated. | Update has been made to the **PHVS\_VISBarcodes\_IIS** **Value Set** in the Immunization Test Suite; added:   * **Description**: Anthrax **Vaccine** VIS   **VIS Code**: 253088698300002811180321 |
|  | Per the CDC, the **CVX-VIS Table** has been adjusted to accompany the release of the updated **Anthrax Vaccine VIS**. | Update has been made to the **PHVS\_VISVaccines\_IIS Value Set**  in the Immunization Test Suite; added:   * **Description**: Anthrax **Vaccine** VIS   **CVX Code**: 24   * **Description**: Anthrax VIS   **CVX Code**: 24 |
| For Z22 messages | Per the CDC, the following historic **Unit of Sale** NDC Codes could not be validated against FDA data files or DailyMed archives. They are either invalid codes or never came to market.   * 42874-0116-10 * 70460-0002-01 * 70461-0200-02 * 70461-0614-01 | Update has been made to the **NDC Unit of Sale Value Set** in the Immunization Test Suite; deleted:   * **Description**: influenza, recombinant, quadrivalent,injectable, preservative free   **NDC Code**: 42874-0116-10   * **Description**: cholera, live attenuated   **NDC Code**: 70460-0002-01   * **Description**: Influenza, injectable, MDCK, quadrivalent, preservative   **NDC Code**: 70461-0200-02   * **Description**: Influenza, injectable, MDCK, preservative free   **NDC Code**: 70461-0614-01 |
| For Z22 messages | Per the CDC, the following historic **Unit of Use** NDC Codes could not be validated against FDA data files or DailyMed archives. They are either invalid codes or never came to market.   * 42874-0116-01 (is not in the **NDC Unit of Use Value Set** in the Immunization Test Suite) * 70461-0200-12 * 49281-0913-58 (is not in the **NDC Unit of Use Value Set** in the Immunization Test Suite) * 70461-0119-02 * 70461-0614-11 | Update has been made to the **NDC Unit of Use Value Set** in the Immunization Test Suite; deleted:   * **Description**: Influenza, injectable, MDCK, quadrivalent, preservative   **NDC Code**: 70461-0200-12   * **Description**: Influenza, seasonal, injectable, preservative free   **NDC Code**: 70461-0119-02   * **Description**: Influenza, injectable, MDCK, preservative free   **NDC Code**: 70461-0614-11 |
| For Z22 messages | Per the CDC, the following NDCs were found to be incorrectly described as a **Unit of Sale**.   * 66019-0303-01 * 70461-0119-11 * 70461-0119-12 * 66521-**0**117-12 (is not in the **NDC Unit of Sale Value Set** in the Immunization Test Suite; it is included in the **NDC Unit of Use Value Set** where it belongs) | Update has been made –   * The following NDCs have been deleted from the **NDC Unit of Sale Value Set** and added to the **NDC Unit of Use Value Set** in the Immunization Test Suite:   + **Description**: influenza, live, intranasal, quadrivalent   **NDC Code**: 66019-0303-01   * + **Description**: Influenza, seasonal, injectable   **NDC Code**: 70461-0119-11   * + **Description**: Influenza, seasonal, injectable, preservative free   **NDC Code**: 70461-0119-12 |
| For Z22 messages | Per the CDC, the following NDCs were found to be incorrectly described as a **Unit of Use**.   * 66019-0303-10 * 70461-0119-10 * 70461-0119-02 * 66521-**0**117-02 (is not in the **NDC Unit of Use Value Set** in the Immunization Test Suite; it is included in the **NDC Unit of Sale Value Set** where it belongs) | Update has been made –   * The following NDCs have been deleted from the **NDC Unit of Use Value Set** and added to the **NDC Unit of Sale Value Set** in the Immunization Test Suite:   + **Description**: influenza, live, intranasal, quadrivalent   **NDC Code**: 66019-0303-10   * + **Description**: Influenza, seasonal, injectable   **NDC Code**: 70461-0119-10   * + **Description**: Influenza, seasonal, injectable, preservative free   **NDC Code**: 70461-0119-02 |
| For Z22 messages | Per the CDC, the following NDCs have been added to the **Unit of Use** and associated to the same number NDC **Unit of Sale**   * 49281-0913-01 * 42515-**0**002-01 | Updates have been made to the **NDC Unit of Use** and **Unit of Sale Value Sets** in the Immunization Test Suite; added:   * **Description:** YELLOW FEVER VACCINE (LIVE)   **NDC Code:** 49281-0913-01   * **Description:** Japanese Encephalitis Vaccine, Inactivated, Adsorbed   **NDC Code:** 42515-**0**002-01 |
| For Z22 messages | Per the CDC, the following NDCs have been added to the **Unit of Sale** file**:**   * 21695-0413-01 * 76420-0482-01 * 76420-**0**483-01 * 00006-4133-41 (is in the **NDC Unit of Sale Value Set** in the Immunization Test Suite) * 54868-2219-00 * 54868-6180-00 * 54868-2219-01 * 54868-6177-00 | Updates have been made to the **NDC Unit of Sale Value Set** in the Immunization Test Suite; added:   * **Description:** Td (adult), 2 Lf tetanus toxoid, preservative free, adsorbed   **NDC Code:** 21695-0413-01   * **Description:** Influenza, seasonal, injectable, preservative free   **NDC Code:** 76420-0482-01   * **Description:** Influenza, seasonal, injectable, preservative free   **NDC Code:** 76420-0483-01   * **Description:** Hep B, adult   **NDC Code:** 54868-2219-00   * **Description:** Influenza, seasonal, injectable, preservative free   **NDC Code:** 54868-6180-00   * **Description:** Hep B, adult   **NDC Code:** 54868-2219-01   * **Description:** Influenza, seasonal, injectable   **NDC Code:** 54868-6177-00 |
| For Z22 messages | Per the CDC, the following NDCs have been added to the **Unit of Use** file**:**   * 70461-0614-01 * 54868-2219-00 * 54868-2219-01 * 54868-6177-00 * 76420-0470-10 * 76420-0471-01 | Updates have been made to the **NDC Unit of Use Value Set** in the Immunization Test Suite; added:   * **Description:** Flucelvax (Seqirus),   **NDC Code:** 70461-0614-01   * **Description:** Hep B, adult   **NDC Code:** 54868-2219-00   * **Description:** Hep B, adult   **NDC Code:** 54868-2219-01   * **Description:** Influenza, seasonal, injectable   **NDC Code:** 54868-6177-00   * **Description:** INFLUENZA A VIRUS A/CHRISTCHURCH/16/2010 NIB-74 (H1N1) ANTIGEN (PROPIOLACTONE INACTIVATED), INFLUENZ   **NDC Code:** 76420-0470-10   * **Description:** INFLUENZA A VIRUS A/CHRISTCHURCH/16/2010 NIB-74 (H1N1) ANTIGEN (PROPIOLACTONE INACTIVATED), INFLUENZ   **NDC Code:** 76420-0471-01 |
| For Z22, Z32, and Z42 messages | Per the CDC, the **CVX-VIS Table** has been updated to include a new Hepatitis B vaccine, **Hepatitis B Vaccine (recombinant), adjuvanted (CVX 189).**  In the **CVX-VIS Table,** the CVX Vaccine Description is “HepB-CpG”. | Update has been made to the **PHVS\_VISVaccines\_IIS** Value Set in the Immunization Test Suite; added:   * Code: 189   Code System: CVX  Description: Hepatitis B Vaccine (recombinant), adjuvanted |
| For Z22, Z32, and Z42 messages | Per the CDC, the following new CVX codes have been created for foreign use vaccines:   * 190 – Typhoid conjugate vaccine (non-US) * 191 - meningococcal A polysaccharide vaccine (non-US) * 192 - meningococcal AC polysaccharide vaccine (non-US)   These codes can be used to document historical administrations which happened outside of the United States. | Updates have been made to the **CVX** Value Set in the Immunization Test Suite; added:   * Code: 190   Code System: CVX  Description: Typhoid conjugate vaccine (non-US)   * Code: 191   Code System: CVX  Description: meningococcal A polysaccharide vaccine (non-US)   * Code: 192   Code System: CVX  Description: meningococcal AC polysaccharide vaccine (non-US) |
| For Z22, Z32, and Z42 messages | Per the CDC, several CVX codes have had their name updated:  CVX 189 – updated to explicitly reference the CDC adjuvant abbreviation of CpG | Update has been made to the **CVX** Value Set in the Immunization Test Suite:   * Code: 189   Code System: CVX  Description: Hepatitis B vaccine (recombinant), adjuvanted  **CHANGED TO**  Hepatitis B vaccine (recombinant), CpG adjuvanted |
| For Z22 messages | New NDCs (49281-718-10 (UoS) and 49281-718-88 (UoU)) for Flublok Quadrivalent (manufacturer by Protein Sciences and distributed by Sanofi) have been added. These NDC codes are for products for the 2017-2018 flu season. | Update has been made to the **NDC Unit of Sale Value Set** in the Immunization Test Suite; added:   * **Description:** Flublok Quadrivalent   **NDC Code:** 49281-718-10  Update has been made to the **NDC Unit of Use Value Set** in the Immunization Test Suite; added:   * **Description:** Flublok Quadrivalent   **NDC Code:** 49281-718-88 |

**Specific Validation**

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

**User Interface**

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

**Core Functionality**

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

**Documentation**

| **Issue** | **Resolution** |
| --- | --- |
| The Tutorial for Immunization Tool for HL7v2 Validation has an older version of the tool’s screens and needs more information about use of the automated Transport feature. | The Tutorial for Immunization Tool for HL7v2 Validation has been updated to show the current version of the tool’s screens and to include more information about use of the automated Transport feature with the Context-based validation (see Context-Based *Test Case Level Testing* With Automated Transport Demonstration slides). |

**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.) |