**Immunization Test Tool Release Notes for Version 2.0.2 September 9, 2021**

| **Test Case / Message Profile** | **Issue** | **Resolution** |
| --- | --- | --- |
| For Z22 messages | The following **Unit of Sale NDCs** have been updated due to error in Description in Immunization Test Suite Value Set:  Modified **Descriptions**:   * Changed 50632-0010-01 RabAvert VIAL, SINGLE-DOSE, 1 mL   To “50632-0010-01 RabAvert **CARTON, I KIT**”   * Changed 19515-0818-52 for Flulaval Quadrivalent SYRINGE, .5 mL   To 19515-0818-52 for Flulaval Quadrivalent **CARTON, 10 SYRINGE**   * Changed 49281-0421-10 for FLUZONE QUADRIVALENT VIAL, .5 mL, SINGLE-DOSE   To 49281-0421-10 for FLUZONE QUADRIVALENT **PACKAGE, 10 VIAL, SINGLE-DOSE**   * Changed 49281-0421-50 for FLUZONE QUADRIVALENT SYRINGE, .5 mL   To 49281-0421-50 for FLUZONE QUADRIVALENT **PACKAGE, 10 SYRINGE**   * Changed 58160-0887-52 for FLUARIX QUADRIVALENT SYRINGE, .5 mL   To 58160-0887-52 for FLUARIX QUADRIVALENT **CARTON, 10 SYRINGE**   * Changed 49281-0635-15 for FLUZONE QUADRIVALENT VIAL, 5 mL, MULTI-DOSE   To 49281-0635-15 for FLUZONE QUADRIVALENT **PACKAGE, 1 VIAL, MULTI-DOSE**   * Changed 49281-0521-25 for FLUZONE QUADRIVALENT SYRINGE, .25 mL   To 49281-0521-25 for FLUZONE QUADRIVALENT **PACKAGE, 10 SYRINGE**   * Changed 70461-0321-03 for FLUCELVAX QUADRIVALENT SYRINGE, .5 mL   To 70461-0321-03 for FLUCELVAX QUADRIVALENT **CARTON, 10 SYRINGE**   * Changed 49281-0721-10 for Flublok Quadrivalent Northern Hemisphere SYRINGE, .5 mL   To 49281-0721-10 for Flublok Quadrivalent Northern Hemisphere **CARTON, 10 SYRINGE**   * Changed 70461-0421-10 for FLUCELVAX QUADRIVALENT VIAL, 5 mL, MULTI-DOSE   To 70461-0421-10 for FLUCELVAX QUADRIVALENT **CARTON, 1 VIAL, MULTI-DOSE**   * Changed 49281-0121-65 for FLUZONE High-Dose Quadrivalent Northern Hemisphere SYRINGE, .7 mL   To 49281-0121-65 for FLUZONE High-Dose Quadrivalent Northern Hemisphere **PACKAGE, 10 SYRINGE**   * Changed 70461-0121-03 for FLUAD QUADRIVALENT SYRINGE, .5 mL   To 70461-0121-03 for FLUAD QUADRIVALENT **CARTON, 10 SYRINGE** | Updates have been made to the **NDC Unit of Sale Value Set** in the Immunization Test Suite  Modified Descriptions:   * **Code**: 50632-0010-01 * **Code System**: NDC * **Description**: RabAvert CARTON, I KIT * **Code**: 19515-0818-52 * **Code System**: NDC * **Description**: Flulaval Quadrivalent CARTON, 10 SYRINGE * **Code**: 49281-0421-10 * **Code System**: NDC * **Description**: FLUZONE QUADRIVALENT PACKAGE, 10 VIAL, SINGLE-DOSE * **Code**: 49281-0421-50 * **Code System**: NDC * **Description**: FLUZONE QUADRIVALENT PACKAGE, 10 SYRINGE * **Code**: 58160-0887-52 * **Code System**: NDC * **Description**: FLUARIX QUADRIVALENT CARTON, 10 SYRINGE * **Code**: 49281-0635-15 * **Code System**: NDC * **Description**: FLUZONE QUADRIVALENT PACKAGE, 1 VIAL, MULTI-DOSE * **Code**: 49281-0521-25 * **Code System**: NDC * **Description**: FLUZONE QUADRIVALENT PACKAGE, 10 SYRINGE * **Code**: 70461-0321-03 * **Code System**: NDC * **Description**: FLUCELVAX QUADRIVALENT CARTON, 10 SYRINGE * **Code**: 49281-0721-10 * **Code System**: NDC * **Description**: Flublok Quadrivalent Northern Hemisphere CARTON, 10 SYRINGE * **Code**: 70461-0421-10 * **Code System**: NDC * **Description**: FLUCELVAX QUADRIVALENT CARTON, 1 VIAL, MULTI-DOSE * **Code**: 49281-0121-65 * **Code System**: NDC * **Description**: FLUZONE High-Dose Quadrivalent Northern Hemisphere PACKAGE, 10 SYRINGE * **Code**: 70461-0121-03 * **Code System**: NDC * **Description**: FLUAD QUADRIVALENT CARTON, 10 SYRINGE |
| For Z22 messages | Per the CDC, the following **Unit of Sale NDCs** have been added **for the 2021/2022 Seasonal Influenza Season**:   * 66019-0308-10 for FluMist Quadrivalent PACKAGE, 10 APPLICATORS * 33332-0321-01 for Afluria Quadrivalent CARTON, 10 SYRINGE * 33332-0421-10 for Afluria Quadrivalent CARTON, 1 MULTI-DOSE VIAL * 33332-0221-20 for Afluria Quadrivalent CARTON, 10 SYRINGE     Per the CDC, the following **Unit of Sale NDCs** have been added for **new PCV Vaccines**:   * 00005-2000-10 for Prevnar 20 * 00005-2000-02 for Prevnar 20 * 00006-4329-03 for VAXNEUVANCE * 00006-4329-02 for VAXNEUVANCE | Updates have been made to the **NDC Unit of Sale Value Set** in the Immunization Test Suite  Added:   * **Code**: 66019-0308-10 * **Code System**: NDC * **Description**: FluMist Quadrivalent PACKAGE, 10 APPLICATORS * **Code**: 33332-0321-01 * **Code System**: NDC * **Description**: Afluria Quadrivalent CARTON, 10 SYRINGE * **Code**: 33332-0421-10 * **Code System**: NDC * **Description:** Afluria Quadrivalent CARTON, 1 MULTI-DOSE VIAL * **Code**: 33332-0221-20 * **Code System**: NDC * **Description:** Afluria Quadrivalent CARTON, 10 SYRINGE * **Code**: 00005-2000-10 * **Code System**: NDC * **Description:** Prevnar 20 * **Code**: 00005-2000-02 * **Code System**: NDC * **Description:** Prevnar 20 * **Code**: 00006-4329-03 * **Code System**: NDC * **Description:** VAXNEUVANCE * **Code**: 00006-4329-02 * **Code System**: NDC * **Description:** VAXNEUVANCE |
| For Z22 messages | Per the CDC, the following **Unit of Use NDCs** have been added **for the 2021/2022 Seasonal Influenza Season**:   * 66019-0308-01 for FluMist Quadrivalent APPLICATOR .2 mL * 33332-0321-02 for Afluria Quadrivalent SYRINGE, .5 mL * 33332-0421-11 for Afluria Quadrivalent VIAL, 5 mL, MULTI-DOSE * 33332-0221-21 for Afluria Quadrivalent SYRINGE, .25 ML   Per the CDC, the following **Unit of Use NDCs** have been added for **new PCV Vaccines**:   * 00005-2000-01 for Prevnar 20 * 00006-4329-01 for VAXNEUVANCE | Updates have been made to the **NDC Unit of Use Value Set** in the Immunization Test Suite  Added:   * **Code**: 66019-0308-01 * **Code System**: NDC * **Description**: FluMist Quadrivalent APPLICATOR .2 mL * **Code**: 33332-0321-02 * **Code System**: NDC * **Description:** Afluria Quadrivalent SYRINGE, .5 mL * **Code**: 33332-0421-11 * **Code System**: NDC * **Description**: Afluria Quadrivalent VIAL, 5 mL, MULTI-DOSE * **Code**: 33332-0221-21 * **Code System**: NDC * **Description**: Afluria Quadrivalent SYRINGE, .25 ML * **Code**: 00005-2000-01 * **Code System**: NDC * **Description**: Prevnar 20 * **Code**: 00006-4329-01 * **Code System**: NDC * **Description**: VAXNEUVANCE |
| For Z22, Z32, and Z42 messages | Per the CDC, the following additions/modifications have been made to the **CVX** table:  Added:   * CVX Code **215** for VAXNEUVANCE Pneumococcal conjugate vaccine 15-valent (**PCV15**), polysaccharide CRM197 conjugate, adjuvant, preservative free * CVX Code **216** for Prevnar 20, Pneumococcal conjugate vaccine 20-valent (**PCV20**), polysaccharide CRM197 conjugate, adjuvant, preservative free   Description Modified:   * CVX Code **208** * Description changed from “Pfizer-BioNTech COVID-19 Vaccine (Non-US tradename is COMIRNATY)” to “**Pfizer-BioNTech COVID-19 Vaccine (COMIRNATY)**” | Updates have been made to the **CVX** **Value Set** in the Immunization Test Suite  Added:   * **Code**: 215 * **Code System**: CVX * **Description**: VAXNEUVANCE Pneumococcal conjugate vaccine 15-valent (PCV15), polysaccharide CRM197 conjugate, adjuvant, preservative free * **Code**: 216 * **Code System**: CVX * **Description**: Prevnar 20, Pneumococcal conjugate vaccine 20-valent (PCV20), polysaccharide CRM197 conjugate, adjuvant, preservative free   Modified Description:   * **Code**: 208 * **Code System**: CVX * **Description**: Pfizer-BioNTech COVID-19 Vaccine (COMIRNATY) |
| **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 –**253088698300017211210806** – has been added for the updated version of the **Polio Vaccine VIS**.  The example Test Message provided for Test Step IZ-AD-1.1\_Send\_V04\_Z22 includes:  OBX|3|CE|69764-9^Document Type^LN|3|**253088698300017211191030**^Polio Vaccine VIS^cdcgs1vis||||||F|||20150624 | In the Test Message for the IZ-AD-1.1\_Send\_V04\_Z22 Test Step, the **VIS code** in the OBX segment has been changed to:  OBX|3|CE|69764-9^Document Type^LN|3|**253088698300017211210806**^Polio Vaccine VIS^cdcgs1vis||||||F|||20150624 |
| **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 –**253088698300003511210806** – has been added for the updated version of the **DTaP (Diphtheria, Tetanus, Pertussis) Vaccine VIS**.  The example Test Message provided for Test Step IZ-AD-1.1\_Send\_V04\_Z22 includes:  OBX|7|CE|69764-9^Document Type^LN|5|**253088698300003511200401**^**Diphtheria/Tetanus/Pertussis (DTaP)** VIS^cdcgs1vis||||||F|||20150624 | In the Test Message for the IZ-AD-1.1\_Send\_V04\_Z22 Test Step, the **VIS code/Description** in the OBX segment have been changed to:  OBX|7|CE|69764-9^Document Type^LN|5|**253088698300003511210806**^**DTaP (Diphtheria, Tetanus, Pertussis) Vaccine VIS**^cdcgs1vis||||||F|||20150624 |
| **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 –**253088698300006611210806** – has been added for the updated version of the **Haemophilus Influenzae type b (Hib) Vaccine VIS**.  The example Test Message provided for Test Step IZ-AD-1.1\_Send\_V04\_Z22 includes:  OBX|5|CE|69764-9^Document Type^LN|4|**253088698300006611191030**^Hib Vaccine VIS^cdcgs1vis||||||F|||20150624 | In the Test Message for the IZ-AD-1.1\_Send\_V04\_Z22 Test Step, the **VIS code/Description** in the OBX segment have been changed to:  OBX|7|CE|69764-9^Document Type^LN|5|**253088698300006611210806**^**Haemophilus Influenzae type b (Hib) Vaccine VIS**^cdcgs1vis||||||F|||20150624 |
| **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 –**253088698300015811210806** – has been added for the updated version of the **Pneumococcal Conjugate Vaccine (PCV13) VIS**.  The example Test Message provided for Test Step IZ-AD-1.1\_Send\_V04\_Z22 includes:  OBX|3|CE|69764-9^Document Type^LN|3|**253088698300015811191030**^**PCV13** VIS^cdcgs1vis||||||F|||20150624 | In the Test Message for the IZ-AD-1.1\_Send\_V04\_Z22 Test Step, the **VIS code/Description** in the OBX segment have been changed to:  OBX|7|CE|69764-9^Document Type^LN|5|**253088698300015811210806**^**Pneumococcal Conjugate Vaccine (PCV13) VIS**^cdcgs1vis||||||F|||20150624 |
| **ONC 2015 Test Plan**  **Test Case**: IZ-AD-2\_Admin\_Adult  **Test Step**: IZ-AD-2.1\_Send\_V04\_Z22 | Per the CDC, a new VIS Document Barcode String –**253088698300028811210806** – has been added for the updated version of the **Td (Tetanus, Diphtheria) Vaccine** **VIS**.  The example Test Message provided for Test Step IZ-AD-2.1\_Send\_V04\_Z22 includes:  OBX|3|CE|69764-9^Document Type^LN|3|**253088698300028811200401**^**Tetanus/Diphtheria (Td) Vaccine VIS**^cdcgs1vis||||||F|||20150624 | In the Test Message for the IZ-AD-2.1\_Send\_V04\_Z22 Test Step, the **VIS code/Description** in the OBX segment have been changed to:  OBX|3|CE|69764-9^Document Type^LN|3|**253088698300028811210806**^**Td (Tetanus, Diphtheria) Vaccine** **VIS**^cdcgs1vis||||||F|||20150624 |
| **ONC 2015 Test Plan**  **Test Case**: IZ-AD-3\_No\_Consent  **Test Step**: IZ-AD-3.1\_Send\_V04\_Z22 | Per the CDC, a new VIS Document Barcode String –**253088698300029511210806** – has been added for the updated version of the **HPV (Human Papillomavirus) Vaccine VIS**.  The example Test Message provided for Test Step IZ-AD-3.1\_Send\_V04\_Z22 includes:  OBX|3|CE|69764-9^Document Type^LN|3|**253088698300029511191030**^**HPV Vaccine VIS**^cdcgs1vis||||||F|||20150624 | In the Test Message for the IZ-AD-3.1\_Send\_V04\_Z22 Test Step, the **VIS code/Description** in the OBX segment have been changed to:  OBX|3|CE|69764-9^Document Type^LN|3|**253088698300029511210806**^**HPV (Human Papillomavirus) Vaccine VIS**^cdcgs1vis||||||F|||20150624 |
| **ONC 2015 Test Plan**  **Test Case**: IZ-AD-4\_Delete\_Record  **Test Step**: IZ-AD-4.1\_Send\_V04\_Z22 | Per the CDC, a new VIS Document Barcode String –**253088698300029511210806** – has been added for the updated version of the **HPV (Human Papillomavirus) Vaccine VIS**.  The example Test Message provided for Test Step IZ-AD-4.1\_Send\_V04\_Z22 includes:  OBX|3|CE|69764-9^Document Type^LN|3|**253088698300029511191030**^**HPV Vaccine VIS**^cdcgs1vis||||||F|||20150624 | In the Test Message for the IZ-AD-4.1\_Send\_V04\_Z22 Test Step, the **VIS code/Description** in the OBX segment have been changed to:  OBX|3|CE|69764-9^Document Type^LN|3|**253088698300029511210806**^**HPV (Human Papillomavirus) Vaccine VIS**^cdcgs1vis||||||F|||20150624 |
| **ONC 2015 Test Plan**  **Test Case**: IZ-AD-5\_Refusal  **Test Step**: IZ-AD-5.1\_Send\_V04\_Z22 | Per the CDC, a new VIS Document Barcode String – **253088698300012711210806** – has been added for the updated version of the **MMR Vaccine (Measles, Mumps, and Rubella) VIS.**  The example Test Message provided for Test Step IZ-AD-5.1\_Send\_V04\_Z22 includes:  OBX|3|CE|69764-9^Document Type^LN|3|**253088698300012711180212**^**Measles/Mumps/Rubella VIS**^cdcgs1vis||||||F|||20150624 | In the Test Message for the IZ-AD-5.1\_Send\_V04\_Z22 Test Step, the **VIS code/Description** in the OBX segment have been changed to:  OBX|3|CE|69764-9^Document Type^LN|3|**253088698300012711210806**^**MMR Vaccine (Measles, Mumps, and Rubella) VIS**^cdcgs1vis||||||F|||20150624 |
| **ONC 2015 Test Plan**  **Test Case**: IZ-AD-9\_Admin\_IIS-2Warnings  **Test Step**: IZ-AD-9.1\_Send\_V04\_Z22 | Per the CDC, a new VIS Document Barcode String – **253088698300013411210806** – has been added for the updated version of the **MMRV Vaccine (Measles, Mumps, Rubella, and Varicella) VIS.**  The example Test Message provided for Test Step IZ-AD-9.1\_Send\_V04\_Z22 includes:  OBX|3|CE|69764-9^Document Type^LN|3|**253088698300013411190815**^**MMRV Vaccine VIS**^cdcgs1vis||||||F|||20150625 | In the Test Message for the IZ-AD-9.1\_Send\_V04\_Z22 Test Step, the **VIS code/Description** in the OBX segment have been changed to:  OBX|3|CE|69764-9^Document Type^LN|3|**253088698300013411210806**^**MMRV Vaccine (Measles, Mumps, Rubella, and Varicella) VIS**^cdcgs1vis||||||F|||20150625 |
| **ONC 2015 Test Plan**  **Test Case**: IZ-AD-9\_Admin\_IIS-2Warnings  **Test Step**: IZ-AD-9.1\_Send\_V04\_Z22 | Per the CDC, a new VIS Document Barcode String – **253088698300017211210806** – has been added for the updated version of the **Polio Vaccine VIS.**  The example Test Message provided for Test Step IZ-AD-9.1\_Send\_V04\_Z22 includes:  OBX|3|CE|69764-9^Document Type^LN|3|**253088698300017211191030**^**Polio Vaccine VIS**^cdcgs1vis||||||F|||20150625 | In the Test Message for the IZ-AD-9.1\_Send\_V04\_Z22 Test Step, the **VIS code** in the OBX segment has been changed to:  OBX|3|CE|69764-9^Document Type^LN|3|**253088698300017211210806**^Polio Vaccine VIS^cdcgs1vis||||||F|||20150625 |
| **ONC 2015 Test Plan**  **Test Case**: IZ-AD-9\_Admin\_IIS-2Warnings  **Test Step**: IZ-AD-9.1\_Send\_V04\_Z22 | Per the CDC, a new VIS Document Barcode String – **253088698300003511210806** – has been added for the updated version of the **DTaP (Diphtheria, Tetanus, Pertussis) Vaccine VIS.**  The example Test Message provided for Test Step IZ-AD-9.1\_Send\_V04\_Z22 includes:  OBX|5|CE|69764-9^Document Type^LN|4|**253088698300003511200401**^**Diphtheria/Tetanus/Pertussis (DTaP) VIS**^cdcgs1vis||||||F|||20150625 | In the Test Message for the IZ-AD-9.1\_Send\_V04\_Z22 Test Step, the **VIS code/Description** in the OBX segment have been changed to:  OBX|5|CE|69764-9^Document Type^LN|4|**253088698300003511210806**^**DTaP (Diphtheria, Tetanus, Pertussis) Vaccine VIS**^cdcgs1vis||||||F|||20150625 |

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| **Message Profile** | **Issue** | | **Resolution** |
| For Z22, Z32, Z42 messages | Per the CDC, the following VIS documents have been added: | | The new VIS **Descriptions** and associated VIS **Codes** have been added to the **PHVS\_VISBarcodes\_IIS Value Set** in the Immunization Test Suite |
|  | **Document Type Description (New)** | **VIS Fully-encoded Test String** |
|  | DTaP (Diphtheria, Tetanus, Pertussis) Vaccine VIS | 253088698300003511210806 |  |
|  | Haemophilus Influenzae type b (Hib) Vaccine VIS | 253088698300006611210806 |  |
|  | Influenza (Flu) Vaccine (Live, Intranasal) VIS | 253088698300009711210806 |  |
|  | Influenza (Flu) Vaccine (Inactivated or Recombinant) VIS | 253088698300010311210806 |  |
|  | MMR Vaccine (Measles, Mumps, and Rubella) VIS | 253088698300012711210806 |  |
|  | MMRV Vaccine (Measles, Mumps, Rubella, and Varicella) VIS | 253088698300013411210806 |  |
|  | Meningococcal ACWY Vaccine VIS | 253088698300014111210806 |  |
|  | Pneumococcal Conjugate Vaccine (PCV13) VIS | 253088698300015811210806 |  |
|  | Polio Vaccine VIS | 253088698300017211210806 |  |
|  | Varicella (Chickenpox) Vaccine VIS | 253088698300024011210806 |  |
|  | Tdap (Tetanus, Diphtheria, Pertussis) Vaccine VIS | 253088698300027111210806 |  |
|  | Td (Tetanus, Diphtheria) Vaccine VIS | 253088698300028811210806 |  |
|  | HPV (Human Papillomavirus) Vaccine VIS | 253088698300029511210806 |  |
|  | Meningococcal B Vaccine VIS | 253088698300030111210806 |  |

**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**

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| --- |
| 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.) |