**Immunization Test Tool Release Notes for Version 2.0.3 October 25, 2021**

**Data**

| **Test Case / Message Profile** | **Issue** | **Resolution** |
| --- | --- | --- |
| For Z22 messages | Per the CDC, the following **Unit of Sale NDC** has been added:   * 50090-1502-00 for **HAVRIX (**Hep A, adult)   Per the CDC, the following **Unit of Sale NDCs** have been added in anticipation of FDA EUA submission and authorization for the potential **new tris-sucrose formulation products** related to the **Pfizer-BioNTech COVID-19 Vaccine**:   * 59267-1025-02 for **Tris-sucrose formula, 30 mcg/0.3 mL for ages 12+,** CARTON, 195 MULTI-DOSE VIALS * 59267-1025-03 for **Tris-sucrose formula, 30 mcg/0.3 mL for ages 12+,** CARTON, 25 MULTI-DOSE VIALS * 59267-1025-04 for **Tris-sucrose formula, 30 mcg/0.3 mL for ages 12+,** CARTON, 10 MULTI-DOSE VIALS * 59267-1055-02 for **Tris-sucrose formula, 10 mcg/0.2 mL for ages 5 yrs to < 12 yrs,** CARTON, 195 MULTI-DOSE VIALS * 59267-1055-04 for **Tris-sucrose formula, 10 mcg/0.2 mL for ages 5 yrs to < 12 yrs,** CARTON, 10 MULTI-DOSE VIALS * 59267-0078-02 for **Tris-sucrose formula, 3 mcg/0.2 mL for ages 2 yrs to < 5 yrs,** CARTON, 195 MULTI-DOSE VIALS * 59267-0078-04 for **Tris-sucrose formula, 3 mcg/0.2 mL for ages 2 yrs to < 5 yrs,** CARTON, 10 MULTI-DOSE VIALS | Updates have been made to the **NDC Unit of Sale Value Set** in the Immunization Test Suite  Added:   * **Code**: 50090-1502-00 * **Code System**: NDC * **Description**: **HAVRIX (**Hep A, adult) * **Code**: 59267-1025-02 * **Code System**: NDC * **Description**: Pfizer-BioNTech COVID-19 Vaccine, **Tris-sucrose formula, 30 mcg/0.3 mL for ages 12+,** CARTON, 195 MULTI-DOSE VIALS * **Code**: 59267-1025-03 * **Code System**: NDC * **Description**: Pfizer-BioNTech COVID-19 Vaccine, **Tris-sucrose formula, 30 mcg/0.3 mL for ages 12+,** CARTON, 25 MULTI-DOSE VIALS * **Code**: 59267-1025-04 * **Code System**: NDC * **Description**: Pfizer-BioNTech COVID-19 Vaccine, **Tris-sucrose formula, 30 mcg/0.3 mL for ages 12+,** CARTON, 10 MULTI-DOSE VIALS * **Code**: 59267-1055-02 * **Code System**: NDC * **Description**: Pfizer-BioNTech COVID-19 Vaccine, **Tris-sucrose formula, 10 mcg/0.2 mL for ages 5 yrs to < 12 yrs,** CARTON, 195 MULTI-DOSE VIALS * **Code**: 59267-1055-04 * **Code System**: NDC * **Description**: Pfizer-BioNTech COVID-19 Vaccine, **Tris-sucrose formula, 10 mcg/0.2 mL for ages 5 yrs to < 12 yrs,** CARTON, 10 MULTI-DOSE VIALS * **Code**: 59267-0078-02 * **Code System**: NDC * **Description**: Pfizer-BioNTech COVID-19 Vaccine, **Tris-sucrose formula, 3 mcg/0.2 mL for ages 2 yrs to < 5 yrs,** CARTON, 195 MULTI-DOSE VIALS * **Code**: 59267-0078-04 * **Code System**: NDC * **Description**: Pfizer-BioNTech COVID-19 Vaccine, **Tris-sucrose formula, 3 mcg/0.2 mL for ages 2 yrs to < 5 yrs,** CARTON, 10 MULTI-DOSE VIALS |
| For Z22 messages | Per the CDC, the following **Unit of Use NDC** has been added:   * 50090-1502-09 for **HAVRIX**   Per the CDC, the following **Unit of Use NDCs** have been added in anticipation of FDA EUA submission and authorization for the potential **new tris-sucrose formulation products** related to the **Pfizer-BioNTech COVID-19 Vaccine**:   * 59267-1025-01 for **Tris-sucrose formula, 30 mcg/0.3 mL for ages 12+,** VIAL, 2.25 mL, MULTI-DOSE VIAL * 59267-1055-01 for **Tris-sucrose formula, 10 mcg/0.2 mL for ages 5 yrs to < 12 yrs,** VIAL, 2 mL, MULTI-DOSE VIAL * 59267-0078-01 for **Tris-sucrose formula, Tris-sucrose formula, 3 mcg/0.2 mL for ages 2 yrs to < 5 yrs,** VIAL, 2 mL, MULTI-DOSE VIAL | Updates have been made to the **NDC Unit of Use Value Set** in the Immunization Test Suite  Added:   * **Code**: 50090-1502-09 * **Code System**: NDC * **Description**: **HAVRIX** * **Code**: 59267-1025-01 * **Code System**: NDC * **Description**: Pfizer-BioNTech COVID-19 Vaccine, **Tris-sucrose formula, 30 mcg/0.3 mL for ages 12+,** VIAL, 2.25 mL, MULTI-DOSE VIAL * **Code**: 59267-1055-01 * **Code System**: NDC * **Description**: Pfizer-BioNTech COVID-19 Vaccine, **Tris-sucrose formula, 10 mcg/0.2 mL for ages 5 yrs to < 12 yrs,** VIAL, 2 mL, MULTI-DOSE VIAL * **Code**: 59267-0078-01 * **Code System**: NDC * **Description**: Pfizer-BioNTech COVID-19 Vaccine, **Tris-sucrose formula, 3 mcg/0.2 mL for ages 2 yrs to < 5 yrs,** VIAL, 2 mL, MULTI-DOSE VIAL |
| For Z22, Z32, and Z42 messages | Per the CDC, the following additions/modifications have been made to the **CVX** table in anticipation of FDA EUA submission and authorization for the potential **new tris-sucrose formulation products** related to the **Pfizer-BioNTech COVID-19 Vaccine**:  Added:   * CVX code 217 for Pfizer-BioNTech COVID-19 Vaccine, SARS-COV-2 (COVID-19) vaccine, mRNA, spike protein, LNP, preservative free, **30 mcg/0.3 mL dose**, tris-sucrose formulation * CVX code 218 for Pfizer-BioNTech COVID-19 Vaccine, SARS-COV-2 (COVID-19) vaccine, mRNA, spike protein, LNP, preservative free, **10 mcg/0.2 mL dose,** tris-sucrose formulation * CVX code 219 for Pfizer-BioNTech COVID-19 Vaccine, SARS-COV-2 (COVID-19) vaccine, mRNA, spike protein, LNP, preservative free, **3 mcg/0.2 mL dose,** tris-sucrose formulation   Modified Description:   * For Moderna COVID-19 Vaccine CVX code 207, changes have been made **in anticipation of FDA EUA authorization for a booster dose drawn from existing product vials**; Description changed from “Moderna COVID-19 Vaccine (non-US tradename is Spikevax” to “SARS-COV-2 (COVID-19) vaccine, mRNA, spike protein, LNP, preservative free, 100 mcg or 50 mcg dose” | Updates have been made to the **CVX** **Value Set** in the Immunization Test Suite  Added:   * **Code**: 217 * **Code System**: CVX * **Description**: Pfizer-BioNTech,SARS-COV-2 (COVID-19) vaccine, mRNA, spike protein, LNP, preservative free, 30 mcg/0.3 mL dose, tris-sucrose formulation * **Code**: 218 * **Code System**: CVX * **Description**: Pfizer-BioNTech,SARS-COV-2 (COVID-19) vaccine, mRNA, spike protein, LNP, preservative free, 10 mcg/0.2 mL dose, tris-sucrose formulation * **Code**: 219 * **Code System**: CVX * **Description**: Pfizer-BioNTech,SARS-COV-2 (COVID-19) vaccine, mRNA, spike protein, LNP, preservative free, 3 mcg/0.2 mL dose, tris-sucrose formulation   Description Modified:   * **Code**: 207 * **Code System**: CVX * **Description**: Moderna, SARS-COV-2 (COVID-19) vaccine, mRNA, spike protein, LNP, preservative free, 100 mcg or 50 mcg dose |
| **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 –**253088698300019611211015** – has been added for the updated version of the **Rotavirus 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|**253088698300019611191030**^**Rotavirus 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:  OBX|3|CE|69764-9^Document Type^LN|3|**253088698300019611211015**^Rotavirus 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 –**253088698300026411211015** – has been added for the updated version of the **Multi Pediatric Vaccines VIS**.  The example Test Message provided for Test Step IZ-AD-5.1\_Send\_V04\_Z22includes:  OBX|3|CE|69764-9^Document Type^LN|3|**253088698300026411151105**^Multi Pediatric Vaccines VIS^cdcgs1vis||||||F|||20150624 | In the Test Message for the IZ-AD-5.1\_Send\_V04\_Z22 Test Step, the **VIS code** in the OBX segment has been changed:  OBX|3|CE|69764-9^Document Type^LN|3|**253088698300026411211015**^^Multi Pediatric Vaccines 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 –**253088698300004211211015** – has been added for the updated version of the **Hepatitis A Vaccine 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|**253088698300004211200728**^**Hepatitis A VIS**^cdcgs1vis||||||F|||20150624 | In the Test Message for the IZ-AD-5.1\_Send\_V04\_Z22 Test Step, the **VIS code** and **Description** in the OBX segment have been changed:  OBX|3|CE|69764-9^Document Type^LN|3|**253088698300004211211015**^**Hepatitis A Vaccine VIS**^cdcgs1vis||||||F|||20150624 |
| **ONC 2015 Test Plan**  **Test Case**: IZ-AD-6\_Update\_Record  **Test Step**: IZ-AD-6.1\_Send\_V04\_Z22 | Per the CDC, a new VIS Document Barcode String –**253088698300004211211015** – has been added for the updated version of the **Hepatitis A Vaccine VIS**.  The example Test Message provided for Test Step IZ-AD-6.1\_Send\_V04\_Z22 includes:  OBX|3|CE|69764-9^Document Type^LN|3|**253088698300004211200728**^**Hepatitis A VIS**^cdcgs1vis||||||F|||20150624 | In the Test Message for the IZ-AD-6.1\_Send\_V04\_Z22 Test Step, the **VIS code** and **Description** in the OBX segment have been changed:  OBX|3|CE|69764-9^Document Type^LN|3|**253088698300004211211015**^**Hepatitis A Vaccine VIS**^cdcgs1vis||||||F|||20150624 |
| **ONC 2015 Test Plan**  **Test Case**: IZ-AD-8\_Admin\_IIS-Warning  **Test Step**: IZ-AD-8.1\_Send\_V04\_Z22 | Per the CDC, a new VIS Document Barcode String –**253088698300005911211015** – has been added for the updated version of the **Hepatitis B Vaccine VIS**.  The example Test Message provided for Test Step IZ-AD-8.1\_Send\_V04\_Z22 includes:  OBX|3|CE|69764-9^Document Type^LN|3|**253088698300005911181012**^**Hepatitis B VIS**^cdcgs1vis||||||F|||20150625 | In the Test Message for the IZ-AD-8.1\_Send\_V04\_Z22 Test Step, the **VIS code** and **Description** in the OBX segment have been changed:  OBX|3|CE|69764-9^Document Type^LN|3|**253088698300005911211015**^**Hepatitis B Vaccine VIS**^cdcgs1vis||||||F|||20150625 |
| **COVID-19 Test Plan**  **Test Case**: IZ-COVID-19\_1\_Adult\_Admin\_Moderna  **Test Step**: IZ-1.1\_AA\_Send\_COVID-19\_Dose-1\_Moderna | Per the CDC, a new VIS Document Barcode String –**253088698300034911210601** – has been added for the updated version of the **COVID-19 Moderna Vaccine EUA Recipient/Caregiver Fact Sheet**.  The example Test Message provided for Test Step IZ-AD-8.1\_Send\_V04\_Z22 includes:  OBX|3|CE|69764-9^Document Type^LN|3|**253088698300034911210401**^COVID-19 Moderna Vaccine EUA Recipient-Caregiver Fact Sheet^cdcgs1vis||||||F|||20201201 | In the Test Message for the IZ-1.1\_AA\_Send\_COVID-19\_Dose-1\_Moderna Test Step, the **VIS code** in the OBX segment has been changed:  OBX|3|CE|69764-9^Document Type^LN|3|**253088698300034911210601**^COVID-19 Moderna Vaccine EUA Recipient-Caregiver Fact Sheet^cdcgs1vis||||||F|||20201201 |
| **COVID-19 Test Plan**  **Test Case**: IZ-COVID-19\_1\_Adult\_Admin\_Moderna  **Test Step**: IZ-1.2\_AA\_Send\_COVID-19\_Dose-2\_Moderna | Per the CDC, a new VIS Document Barcode String –**253088698300034911210601** – has been added for the updated version of the **COVID-19 Moderna Vaccine EUA Recipient/Caregiver Fact Sheet**.  The example Test Message provided for Test Step IZ-AD-8.1\_Send\_V04\_Z22 includes:  OBX|3|CE|69764-9^Document Type^LN|3|**253088698300034911210401**^COVID-19 Moderna Vaccine EUA Recipient-Caregiver Fact Sheet^cdcgs1vis||||||F|||20201201 | In the Test Message for the IZ-1.1\_AA\_Send\_COVID-19\_Dose-1\_Moderna Test Step, the **VIS code** in the OBX segment has been changed:  OBX|3|CE|69764-9^Document Type^LN|3|**253088698300034911210601**^COVID-19 Moderna Vaccine EUA Recipient-Caregiver Fact Sheet^cdcgs1vis||||||F|||20201201 |

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| **Message Profile** | **Issue** | | **Resolution** |
| For Z22, Z32, Z42 messages | Per the CDC, the following VIS documents and VIS Codes 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** |
|  | Hepatitis A Vaccine VIS | 253088698300004211211015 |  |
|  | Hepatitis B Vaccine VIS | 253088698300005911211015 |  |
|  | Rotavirus Vaccine VIS | 253088698300019611211015 |  |
|  | Multi Pediatric Vaccines VIS | 253088698300026411211015 |  |
|  | **COVID-19 Pfizer BioNTech Vaccine EUA Recipient/Caregiver Fact Sheet – Pediatric** | 253088698300042411211001 |  |
|  | **COVID-19 Moderna Vaccine EUA Recipient/Caregiver Fact Sheet** | 253088698300034911210601 |  |

**Specific Validation**

| **Issue** | **Resolution** |
| --- | --- |
| There is an error in the Profile Viewer for the RSP Z32 profile, IN1 optional segment.  Field IN1-15 has a binding/link to “HL0086\_IZ” in the Value Set column. When this link is accessed, the tool displays a Value Set Not Found message: “Sorry, Could not find this table in the library.”  The ValueSets tab does list HL**7**0086\_IZ**.** | The typo in the XML supporting the RSP Z32 profile, IN1 optional segment has been corrected.  The value set binding/link in the Value Set column for IN1-15 has been changed to **HL70086\_IZ**. |

**User Interface**

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

**Core Functionality**

| **Issue** | **Resolution** |
| --- | --- |
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**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.) |