**Immunization Test Tool (HIMSS IIP) Release Notes for Version 1.9.10 December 17, 2021**

**HIMSS IIP CDC Test Plans changes**

**HIMSS Immunization Integration Program CDC Test Plan v9.0**

Not changed

**HIMSS Immunization Integration Program CDC Test Plan v8.1**

Not changed

**Profile/Valueset/Constraints and ONC TestPlan changes**

| **Test Case / Message Profile** | **Issue** | **Resolution** |
| --- | --- | --- |
| For Z22 messages | Per the CDC, the following **Unit of Sale NDC**s have been added:   * 00069-0411-10 for Tick-borne encephalitis, carton of 10 syringes * 00069-0411-02 for Tick-borne encephalitis, carton of 1 syringe | Updates have been made to the **NDC Unit of Sale Value Set** in the Immunization Test Suite  Added:   * **Code**: 00069-0411-10 * **Code System**: NDC * **Description**: Tick-borne encephalitis (TicoVac) vaccine, carton of 10 syringes * **Code**: 00069-0411-02 * **Code System**: NDC * **Description**: Tick-borne encephalitis (TicoVac) vaccine, carton of 1 syringe |
| For Z22 messages | Per the CDC, the following **Unit of Use NDC ha**s been added:   * 00069-0411-01 for Tick-borne encephalitis | Update has been made to the **NDC Unit of Use Value Set** in the Immunization Test Suite  Added:   * **Code**: 00069-0411-01 * **Code System**: NDC * **Description**: Tick-borne encephalitis (TicoVac) vaccine |
| For Z22, Z32, and Z42 messages | Per the CDC, the following CVX/VIS mapping additions have been made:   * **CVX Code 217** “SARS-COV-2 (COVID-19) vaccine, mRNA, spike protein, LNP, preservative free, 30 mcg/0.3mL dose, tris-sucrose formulation” has been mapped to the **253088698300033211210501 VIS** for the **COVID-19 Pfizer-BioNTech Vaccine EUA Recipient/Caregiver Fact Sheet** (this is the fact sheet for ages 12 years and older). CVX 208 also continues to be mapped to this VIS. * **CVX Code 218** “SARS-COV-2 (COVID-19) vaccine, mRNA, spike protein, LNP, preservative free, 10 mcg/0.2mL dose, tris-sucrose formulation” has been mapped to the **253088698300042411211001 VIS** for **COVID-19 Pfizer BioNTech Vaccine EUA Recipient/Caregiver Fact Sheet - Pediatric** | Updates have been made to the **PHVS\_VISVaccines\_IIS** **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 |
| For Z22, Z32, and Z42 messages | Per the CDC, the following addition has been made to the **MVX** table:  Added:   * BBI for Bharat Biotech International Limited | Update has been made to the **MVX** **Value Set** in the Immunization Test Suite  Added:   * **Code**: BBI * **Code System**: MVX * **Description**: Bharat Biotech International Limited |
| For Z22, Z32, and Z42 messages | Per the CDC, the following additions/modifications have been made to the **CVX** table:  Added:   * CVX code 502 for , “SARS-COV-2 COVID-19 Inactivated Virus Non-US Vaccine Product (COVAXIN)” (code notes have been updated to reflect the WHO authorization) | Update has been made to the **CVX** **Value Set** in the Immunization Test Suite  Added:   * **Code**: 502 * **Code System**: CVX * **Description**: SARS-COV-2 COVID-19 Inactivated Virus Non-US Vaccine Product (COVAXIN) |
| For Z22, Z32, and Z42 messages | Per the CDC, the Pfizer-BioNTech *COMIRNATY* 30 mcg/0.3 mL for adult 16+ *has not been assigned a CVX code*. The following entry is included in the **CVX** Value Set in the Immunization Test Suite:   * CVX code 208 * Description: Pfizer-BioNTech COVID-19 Vaccine (COMIRNATY) | Update has been made to the **CVX** **Value Set** in the Immunization Test Suite  Description Modified:   * **Code**: 208 * **Code System**: CVX * **Description**: Pfizer-BioNTech COVID-19, mRNA, LNP-S, PF, 30 mcg/0.3 mL dose |

**Specific Validation**

| **Issue** | **Resolution** |
| --- | --- |
| Cardinality for MSH-21 (Message Profile Identifier) is erroneously set to [1..1] (*meaning element must have exactly one occurrence*) for Z34, Z44, Z31, Z33, and Z42 Profiles. | Cardinality for MSH-21 (Message Profile Identifier) for Z34, Z44, Z31, Z33, and Z42 Profiles has been changed/corrected to [1..\*] (*meaning element must appear at least once and may repeat unlimited number of times in the message*). |

| **Issue** | **Resolution** |
| --- | --- |
| The **IZ-44** Conformance Statement is not working correctly in the **COVID-19 Test Plan** | This Conformance Statement in the **COVID-19 Test Plan** has been fixed:   * **IZ-44** Conformance Statement for **VXU-Z22**   + Target: OBX\_IZ 1\_5 segment   + Statement:  The value of OBX-4 SHALL be a positive integer. |
| The **IZ-1** and **IZ-44** Conformance Statements are not working correctly in the **ONC 2015 Test Plan** | These Conformance Statements in the **ONC Test Plan** have been fixed:   * **IZ-1** Conformance Statement for **QBP-Z34** and **QBP-Z44**   + Target: CQ\_IZ datatype   + Statement: The value of CQ.1 (Quantity) SHALL be a positive integer. * **IZ-44** Conformance Statement for **RSP-Z32, RSP-Z42**, and **VXU-Z22**   + Target: OBX\_IZ 1\_5 segment   + Statement:  The value of OBX-4 SHALL be a positive integer. |

**User Interface**

| **Issue** | **Resolution** |
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| 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**

| **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.) |