**Immunization Test Tool Release Notes for Version 1.9.5 July 25, 2019**

**Data**

| **Test Case / Message Profile** | **Issue** | **Resolution** |
| --- | --- | --- |
| For Z22, Z32, and Z42 messages | Per the CDC, a new **CVX** code has been added for a Non-US vaccine:  195 – Diptheria, Tetanus, Poliomyelitis adsorbed (DT, IPV adsorbed) | Update has been made to the **CVX** **Value Set** in the Immunization Test Suite; added:   * **Code**: 195 * **Code System**: CVX * **Description**: Diptheria, Tetanus, Poliomyelitis adsorbed (DT, IPV adsorbed) |
| For Z22, Z32, and Z42 messages | Per the CDC, the name for the vaccine with **CVX** code 149 is now “TDVAX”. | Update has been made to the **CVX** **Value Set** in the Immunization Test Suite; for code 149, the **Description** has been changed to **TDVAX**. |
| For Z22, Z32, and Z42 messages | Per the CDC, the name for **MVX** code **MED** has been changed:  From **MedImmune, Inc.**  To **MedImmune, Inc. (AstraZeneca)**  Change made in order to provide greater clarity to end users that this is associated to AstraZeneca | Update has been made to the **MVX** **Value Set** in the Immunization Test Suite; changed the **Description** for **MVX** code **MED** to:  MedImmune, Inc. (AstraZeneca) |
| For Z22 messages | Per the CDC, the tradename for the following **Unit of Use NDCs** has been changed from “Td, adsorbed” to “TDVAX”   * 14362-0111-03 * 13533-0131-00 | Updates have been made to the **NDC Unit of Use Value Set** in the Immunization Test Suite; changed **Description** for these NDCs to “TDVAX”:   * 14362-0111-03 * 13533-0131-00 |
| For Z22 messages | Per the CDC, the tradename for the following **Unit of Sale NDCs** has been changed from “Td, adsorbed” to “TDVAX”   * 14362-0111-04 * 13533-0131-01 | Updates have been made to the **NDC Unit of Sale Value Set** in the Immunization Test Suite; changed **Description** for these NDCs to “TDVAX”:   * 14362-0111-04 * 13533-0131-01 |
| For Z22 messages | The test tool is displaying Error notifications where **the condition predicate or conformance statement should not be triggered\*** for these components:  **Datatype Predicates**   * XTN-4: If the value of XTN.2 (Telecommunication Use Code) is 'NET'. * XTN-6: If the value of XTN.2 (Telecommunication Use Code) is NOT 'NET'. * XTN-7: If the value of XTN.2 (Telecommunication Use Code) is NOT 'NET'.   **Segment Predicates**   * PID-25: If the value of PID-24 (Multiple Birth Indicator) is 'Y'. * PID-29: If the value of PID-30 (Patient Death Indicator) is 'Y'. * OBX-6: If the value of OBX-2 (Value Type) is 'NM'. * OBX-17: If the value of OBX-3.1 (Identifier) is '64994-7'. * RXA-7: If the value of RXA-6 (Administered Amount) is not '999'. * RXA-21: If the value of RXA-5.1 (Identifier) is not '998'.   **Segment Conformance Statements**   * IZ-49: If the value of RXA-5.1 (Identifier) is '998', then the value of RXA-6 (Administered Amount) SHALL be '999'. * IZ-35: If The value of OBX-3.1 (Identifier) is '64994-7' and the value of OBX-2 (Value Type) is 'CE' then the value of OBX-5.1 (Observation Value) SHALL be one of codes listed in the Value Set: HL70064\_IZ. * IZ-36: If The value of OBX-3.1 (Identifier) is '69764-9' and the value of OBX-2 (Value Type) is 'CE' then the value of OBX-5.1 (Observation Value) SHALL be one of codes listed in the Value Set: PHVS\_VISBarcodes\_IIS. * IZ-37: If The value of OBX-3.1 (Identifier) is '30956-7' and the value of OBX-2 (Value Type) is 'CE' then the value of OBX-5.1 (Observation Value) SHALL be one of codes listed in the Value Set: CVX. * IZ-47: If RXA-20 (Completion Status) is not valued or the value of RXA-20 (Completion Status) is not one of List Values: 'CP','PA' then RXA-9.1 (Identifier) SHALL NOT be valued. | Update has been made.  These condition predicates and conformance statements are not triggered when the indicated element is un-valued or the value is not the one specified in the condition predicate or conformance statement. |
| For Z42 messages | The test tool is displaying Error notifications where **the condition predicate or conformance statement should not be triggered\*** for these components:  **Datatype Predicates**   |  |  | | --- | --- | | * XTN-4: | If the value of XTN.2 (Telecommunication Use Code) is 'NET'. | | * XTN-6: | If the value of XTN.2 (Telecommunication Use Code) is NOT 'NET'. | | | * XTN-7: | If the value of XTN.2 (Telecommunication Use Code) is NOT 'NET'. | |   **Segment Predicates**   |  |  | | --- | --- | | * RXA-9: | If the value of RXA-20 (Completion Status) is one of List Values: 'CP','PA'. | | * RXA-10: | If the value of RXA-9.1 (Identifier) is '00' AND if the value of RXA-20 (Completion Status) is one of List Values: 'CP','PA'. | | * RXA-11: | If the value of RXA-9.1 (Identifier) is '00' AND if the value of RXA-20 (Completion Status) is one of List Values: 'CP','PA'. | | * RXA-17: | If the value of RXA-9.1 (Identifier) is '00' AND if the value of RXA-20 (Completion Status) is one of List Values: 'CP','PA'. | | * RXA-18: | If the value of RXA-20 (Completion Status) is 'RE'. | | * RXA-7: | If the value of RXA-6 (Administered Amount) is not '999'. |   **Segment Conformance Statements**   |  |  | | --- | --- | | * IZ-48: | If the value of RXA-20 (Completion Status) is 'RE', then the value of RXA-6 (Administered Amount) SHALL be '999'. | | * IZ-36: | If The value of OBX-3.1 (Identifier) is '69764-9' and the value of OBX-2 (Value Type) is 'CE' then the value of OBX-5.1 (Observation Value) SHALL be one of codes listed in the Value Set: PHVS\_VISBarcodes\_IIS. | | * IZ-37: | If The value of OBX-3.1 (Identifier) is '30956-7' and the value of OBX-2 (Value Type) is 'CE' then the value of OBX-5.1 (Observation Value) SHALL be one of codes listed in the Value Set: CVX. | | * IZ-47: | If RXA-20 (Completion Status) is not valued or the value of RXA-20 (Completion Status) is not one of List Values: 'CP','PA' then RXA-9.1 (Identifier) SHALL NOT be valued. | | Update has been made.  These condition predicates and conformance statements are not triggered when the indicated element is un-valued or the value is not the one specified in the condition predicate or conformance statement. |
| For Z34 messages | The test tool is displaying Error notifications where **the condition predicate should not be triggered\*** for this component:  **Datatype Predicates**   |  |  | | --- | --- | | * XTN-4: | If the value of XTN.2 (Telecommunication Use Code) is 'NET'. | | * XTN-6: | If the value of XTN.2 (Telecommunication Use Code) is NOT 'NET'. | | * XTN.7 | If the value of XTN.2 (Telecommunication Use Code) is NOT 'NET'. | | Update has been made.  This condition predicate is not triggered when the indicated element is un-valued or the value is not the one specified in the condition predicate. |
| For Z44 messages | The test tool is displaying Error notifications where **the condition predicate should not be triggered\*** for this component:  **Datatype Predicates**   |  |  | | --- | --- | | * XTN-4: | If the value of XTN.2 (Telecommunication Use Code) is 'NET'. | | * XTN-6: | If the value of XTN.2 (Telecommunication Use Code) is NOT 'NET'. | | * XTN.7 | If the value of XTN.2 (Telecommunication Use Code) is NOT 'NET'. | | Update has been made.  This condition predicate is not triggered when the indicated element is un-valued or the value is not the one specified in the condition predicate. |
| For Z31 messages | The test tool is displaying Error notifications where **the condition predicate should not be triggered\*** for these components:  **Datatype Predicates**   |  |  | | --- | --- | | * XTN-4: | If the value of XTN.2 (Telecommunication Use Code) is 'NET'. | | * XTN-6: | If the value of XTN.2 (Telecommunication Use Code) is NOT 'NET'. | | * XTN.7 | If the value of XTN.2 (Telecommunication Use Code) is NOT 'NET'. |   **Segment Predicates**   |  |  | | --- | --- | | * PID-25: | If the value of PID-24 (Multiple Birth Indicator) is 'Y'. | | * PID-29: | If the value of PID-30 (Patient Death Indicator) is 'Y'. | | Update has been made.  These condition predicates are not triggered when the indicated element is un-valued or the value is not the one specified in the condition predicate or conformance statement. |
| For Z32 messages | The test tool is displaying Error notifications where **the** **condition predicate or conformance statement should not be triggered\*** for these components:  **Datatype Predicates**   |  |  | | --- | --- | | * XTN-4: | If the value of XTN.2 (Telecommunication Use Code) is 'NET'. |   **Segment Predicates**   |  |  | | --- | --- | | * PID-25: | If the value of PID-24 (Multiple Birth Indicator) is 'Y'. | | * PID-29: | If the value of PID-30 (Patient Death Indicator) is 'Y'. | | * RXA-7: | If the value of RXA-6 (Administered Amount) is not '999'. | | * RXA-9: | If the value of RXA-20 (Completion Status) is one of List Values: 'CP','PA'. | | * RXA-10: | If the value of RXA-9.1 (Identifier) is '00' AND if the value of RXA-20 (Completion Status) is one of List Values: 'CP','PA'. | | * RXA-11: | If the value of RXA-9.1 (Identifier) is '00' AND if the value of RXA-20 (Completion Status) is one of List Values: 'CP','PA'. | | * OBX-6: | If the value of OBX-2 (Value Type) is 'NM'. | | * OBX-17: | If the value of OBX-3.1 (Identifier) is '64994-7'. |   **Segment Conformance Statements**   |  |  | | --- | --- | | * IZ-35: | If The value of OBX-3.1 (Identifier) is '64994-7' and the value of OBX-2 (Value Type) is 'CE' then the value of OBX-5.1 (Observation Value) SHALL be one of codes listed in the Value Set: HL70064\_IZ. | | * IZ-36: | If The value of OBX-3.1 (Identifier) is '69764-9' and the value of OBX-2 (Value Type) is 'CE' then the value of OBX-5.1 (Observation Value) SHALL be one of codes listed in the Value Set: PHVS\_VISBarcodes\_IIS. | | * IZ-37: | If The value of OBX-3.1 (Identifier) is '30956-7' and the value of OBX-2 (Value Type) is 'CE' then the value of OBX-5.1 (Observation Value) SHALL be one of codes listed in the Value Set: CVX. | | * IZ-47: | If RXA-20 (Completion Status) is not valued or the value of RXA-20 (Completion Status) is not one of List Values: 'CP','PA' then RXA-9.1 (Identifier) SHALL NOT be valued. | | Update has been made.  These condition predicates and conformance statements are not triggered when the indicated element is un-valued or the value is not the one specified in the condition predicate or conformance statement. |
| For Z33 messages | The test tool is displaying Error notifications where **the condition pre’dicate should not be triggered\*** for this component:  **Datatype Predicates**   |  |  | | --- | --- | | * XTN-4: | If the value of XTN.2 (Telecommunication Use Code) is 'NET'. | | * XTN-6: | If the value of XTN.2 (Telecommunication Use Code) is NOT 'NET'. | | * XTN.7 | If the value of XTN.2 (Telecommunication Use Code) is NOT 'NET'. | | Update has been made.  This condition predicate is not triggered when the indicated element is un-valued or the value is not the one specified in the condition predicate. |

**Specific Validation**

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

**User Interface**

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

**Core Functionality**

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

**Documentation**

| **Issue** | **Resolution** |
| --- | --- |
| Users have expressed confusion over why the error notification IZ-24 is being triggered in the validation tool:  IZ-24 - If RXA-20 is valued 'CP' or 'PA' and the first occurrence of RXA-9.1 is valued '00' and RXA-5.1 is valued with a CVX code from table PHVS\_VISVaccines\_IIS (See Appendix A) then for each vaccine information statement that was shared there SHALL be:[one OBX segment with OBX-3.1 valued '69764-9' (bar coded) and one OBX with OBX-3.1 valued '29769-7' (presentation or delivery date) associated. Both OBX shall have the same value in OBX-4] OR[one OBX segment with OBX-3.1 valued '30956-7' (vaccine type) and one OBX segment with OBX-3.1 valued '29768-9' (version date) and one OBX with OBX-3.1 valued '29769-7' (presentation or delivery date) associated. All three OBX shall have the same value in OBX-4] | A new Known Issues document that includes an explanation of this topic has been posted on the Documentation tab. |

**SOAP Functionality**

| **Test Case** | **Issue** | **Resolution** |
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| 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.) |