Test Case 1

|  |  |  |  |
| --- | --- | --- | --- |
| Test Case | Procedure | Expected Results | Actual Results |
|  | Ability of the system to detect an empty MSH-4 field |  |  |
|  | Create a 2.5.1 VXU message with an empty MSH-4 field. | The field is populated with an invalid entry |  |
|  | Submit the message to the system |  |  |
|  | Check the response message | Received a rejection message indicating the MSH-4 field is improperly populated | Message is rejected |

MSH|^~\&|Test EHR Application|||NIST Test Iz Reg|201207010822||VXU^V04^VXU\_V04|NIST-IZ-019.00|P|2.5.1|||AL|ER

PID|1||Q-73221^^^NIST MPI^MR||Mercer^Jirra^Emmanuelle^^^^L||20100907|F

ORC|RE||IZ-783278^NDA|||||||||57422^RADON^NICHOLAS^^^^^^NDA^L

RXA|0|1|20120816||141^Influenza^CVX|0.25|mL^milliliters^UCUM||00^New immunization record^NIP001||||||K5094SC|20121216|SKB^GlaxoSmithKline^MVX|||CP|A

RXR|IM^Intramuscular^HL70162|RA^Right Arm^HL70163

OBX|1|CE|64994-7^Vaccine funding program eligibility category^LN|1|V05^VFC eligible - Federally Qualified Health Center Patient (under-insured)^HL70064||||||F|||20120701|||VXC40^Eligibility captured at the immunization level^CDCPHINVS

OBX|2|CE|30956-7^vaccine type^LN|2|88^Influenza, unspecified formulation^CVX||||||F

OBX|3|TS|29768-9^Date vaccine information statement published^LN|2|20120702||||||F

OBX|4|TS|29769-7^Date vaccine information statement presented^LN|2|20120814||||||F

ORC|RE||IZ-783281^NDA|||||||||57422^RADON^NICHOLAS^^^^^^NDA^L

RXA|0|1|20110216||10^IPV^CVX|999|||01^Historical information - source unspecified^NIP001

ORC|RE||IZ-783282^NDA|||||||||57422^RADON^NICHOLAS^^^^^^NDA^L

RXA|0|1|20120816||120^DTaP-Hib-IPV^CVX|0.5|mL^milliliters^UCUM||00^New immunization record^NIP001||||||568AHK11|20121216|PMC^sanofi pasteur^MVX|||CP|A

RXR|IM^Intramuscular^HL70162|RA^Right Arm^HL70163

OBX|1|CE|64994-7^Vaccine funding program eligibility category^LN|1|V05^VFC eligible - Federally Qualified Health Center Patient (under-insured)^HL70064||||||F|||20120701|||VXC40^Eligibility captured at the immunization level^CDCPHINVS

OBX|2|CE|30956-7^vaccine type^LN|2|107^DTaP^CVX||||||F

Test Case 2

|  |  |  |  |
| --- | --- | --- | --- |
| Test Case | Procedure | Expected Results | Actual Results |
|  | Ability of the system to detect an invalid provider number in the MSH-4 field |  |  |
|  | Create a 2.5.1 VXU message with an entry other than X68 in the MSH-4 field. | The field is populated with an invalid entry |  |
|  | Submit the message to the system |  |  |
|  | Check the response message | Received a rejection message indicating the MSH-4 field is improperly populated | Message is rejected |

MSH|^~\&|Test EHR Application|X76||NIST Test Iz Reg|201207010822||VXU^V04^VXU\_V04|NIST-IZ-019.00|P|2.5.1|||AL|ER

PID|1||Q-73221^^^NIST MPI^MR||Mercer^Jirra^Emmanuelle^^^^L||20100907|F

ORC|RE||IZ-783278^NDA|||||||||57422^RADON^NICHOLAS^^^^^^NDA^L

RXA|0|1|20120816||141^Influenza^CVX|0.25|mL^milliliters^UCUM||00^New immunization record^NIP001||||||K5094SC|20121216|SKB^GlaxoSmithKline^MVX|||CP|A

RXR|IM^Intramuscular^HL70162|RA^Right Arm^HL70163

OBX|1|CE|64994-7^Vaccine funding program eligibility category^LN|1|V05^VFC eligible - Federally Qualified Health Center Patient (under-insured)^HL70064||||||F|||20120701|||VXC40^Eligibility captured at the immunization level^CDCPHINVS

OBX|2|CE|30956-7^vaccine type^LN|2|88^Influenza, unspecified formulation^CVX||||||F

OBX|3|TS|29768-9^Date vaccine information statement published^LN|2|20120702||||||F

OBX|4|TS|29769-7^Date vaccine information statement presented^LN|2|20120814||||||F

ORC|RE||IZ-783281^NDA|||||||||57422^RADON^NICHOLAS^^^^^^NDA^L

RXA|0|1|20110216||10^IPV^CVX|999|||01^Historical information - source unspecified^NIP001

ORC|RE||IZ-783282^NDA|||||||||57422^RADON^NICHOLAS^^^^^^NDA^L

RXA|0|1|20120816||120^DTaP-Hib-IPV^CVX|0.5|mL^milliliters^UCUM||00^New immunization record^NIP001||||||568AHK11|20121216|PMC^sanofi pasteur^MVX|||CP|A

RXR|IM^Intramuscular^HL70162|RA^Right Arm^HL70163

OBX|1|CE|64994-7^Vaccine funding program eligibility category^LN|1|V05^VFC eligible - Federally Qualified Health Center Patient (under-insured)^HL70064||||||F|||20120701|||VXC40^Eligibility captured at the immunization level^CDCPHINVS

OBX|2|CE|30956-7^vaccine type^LN|2|107^DTaP^CVX||||||F

Test Case 3

|  |  |  |  |
| --- | --- | --- | --- |
| Test Case | Procedure | Expected Results | Actual Results |
|  | Ability of the system to detect an invalid version number in the MSH-12 field |  |  |
|  | Create a 2.5.1 VXU message with 2.4 in the MSH-12 field. | The MSH-12 field is populate with 2.4. |  |
|  | Submit the message to the system |  |  |
|  | Check the response message | The message is rejected as the MSH-12 field is improperly populated | Message is rejected |

MSH|^~\&|Test EHR Application| ||NIST Test Iz Reg|201207010822||VXU^V04^VXU\_V04|NIST-IZ-019.00|P|2.4|||AL|ER

PID|1||Q-73221^^^NIST MPI^MR||Mercer^Jirra^Emmanuelle^^^^L||20100907|F

ORC|RE||IZ-783278^NDA|||||||||57422^RADON^NICHOLAS^^^^^^NDA^L

RXA|0|1|20120816||141^Influenza^CVX|0.25|mL^milliliters^UCUM||00^New immunization record^NIP001||||||K5094SC|20121216|SKB^GlaxoSmithKline^MVX|||CP|A

RXR|IM^Intramuscular^HL70162|RA^Right Arm^HL70163

OBX|1|CE|64994-7^Vaccine funding program eligibility category^LN|1|V05^VFC eligible - Federally Qualified Health Center Patient (under-insured)^HL70064||||||F|||20120701|||VXC40^Eligibility captured at the immunization level^CDCPHINVS

OBX|2|CE|30956-7^vaccine type^LN|2|88^Influenza, unspecified formulation^CVX||||||F

OBX|3|TS|29768-9^Date vaccine information statement published^LN|2|20120702||||||F

OBX|4|TS|29769-7^Date vaccine information statement presented^LN|2|20120814||||||F

ORC|RE||IZ-783281^NDA|||||||||57422^RADON^NICHOLAS^^^^^^NDA^L

RXA|0|1|20110216||10^IPV^CVX|999|||01^Historical information - source unspecified^NIP001

ORC|RE||IZ-783282^NDA|||||||||57422^RADON^NICHOLAS^^^^^^NDA^L

RXA|0|1|20120816||120^DTaP-Hib-IPV^CVX|0.5|mL^milliliters^UCUM||00^New immunization record^NIP001||||||568AHK11|20121216|PMC^sanofi pasteur^MVX|||CP|A

RXR|IM^Intramuscular^HL70162|RA^Right Arm^HL70163

OBX|1|CE|64994-7^Vaccine funding program eligibility category^LN|1|V05^VFC eligible - Federally Qualified Health Center Patient (under-insured)^HL70064||||||F|||20120701|||VXC40^Eligibility captured at the immunization level^CDCPHINVS

OBX|2|CE|30956-7^vaccine type^LN|2|107^DTaP^CVX||||||F

Test Case 4

|  |  |  |  |
| --- | --- | --- | --- |
| Test Case | Procedure | Expected Results | Actual Results |
|  | Ability of the system to detect an invalid version number in the MSH-12 field such as 2.3.1 and VXU^V04\_VXU^V04 in the MSH-8 field |  |  |
|  | Create a 2.5.1 VXU message with 2.3.1 in the MSH-12 field and VXU^V04\_VXU^V04 in the MSH-8 field. | The MSH-12 field is improperly populated |  |
|  | Submit the message to the system |  |  |
|  | Check the response message | The message is rejected as the MSH-12 field is improperly populated | Message is rejected |

MSH|^~\&|Test EHR Application|X68||NIST Test Iz Reg|201207010822||VXU^V04^VXU\_V04|NIST-IZ-019.00|P|2.4|||AL|ER

PID|1||Q-73221^^^NIST MPI^MR||Mercer^Jirra^Emmanuelle^^^^L||20100907|F

ORC|RE||IZ-783278^NDA|||||||||57422^RADON^NICHOLAS^^^^^^NDA^L

RXA|0|1|20120816||141^Influenza^CVX|0.25|mL^milliliters^UCUM||00^New immunization record^NIP001||||||K5094SC|20121216|SKB^GlaxoSmithKline^MVX|||CP|A

RXR|IM^Intramuscular^HL70162|RA^Right Arm^HL70163

OBX|1|CE|64994-7^Vaccine funding program eligibility category^LN|1|V05^VFC eligible - Federally Qualified Health Center Patient (under-insured)^HL70064||||||F|||20120701|||VXC40^Eligibility captured at the immunization level^CDCPHINVS

OBX|2|CE|30956-7^vaccine type^LN|2|88^Influenza, unspecified formulation^CVX||||||F

OBX|3|TS|29768-9^Date vaccine information statement published^LN|2|20120702||||||F

OBX|4|TS|29769-7^Date vaccine information statement presented^LN|2|20120814||||||F

ORC|RE||IZ-783281^NDA|||||||||57422^RADON^NICHOLAS^^^^^^NDA^L

RXA|0|1|20110216||10^IPV^CVX|999|||01^Historical information - source unspecified^NIP001

ORC|RE||IZ-783282^NDA|||||||||57422^RADON^NICHOLAS^^^^^^NDA^L

RXA|0|1|20120816||120^DTaP-Hib-IPV^CVX|0.5|mL^milliliters^UCUM||00^New immunization record^NIP001||||||568AHK11|20121216|PMC^sanofi pasteur^MVX|||CP|A

RXR|IM^Intramuscular^HL70162|RA^Right Arm^HL70163

OBX|1|CE|64994-7^Vaccine funding program eligibility category^LN|1|V05^VFC eligible - Federally Qualified Health Center Patient (under-insured)^HL70064||||||F|||20120701|||VXC40^Eligibility captured at the immunization level^CDCPHINVS

OBX|2|CE|30956-7^vaccine type^LN|2|107^DTaP^CVX||||||F

Test Case 5

|  |  |  |  |
| --- | --- | --- | --- |
| Test Case | Procedure | Expected Results | Actual Results |
|  | Ability of the system to detect missing client last name in the PID-5 field |  |  |
|  | Create a 2.5.1 VXU message with a missing client last name in the PID-5 field | The Client’s last name does not display in the PID-5 field. |  |
|  | Submit the message to the system |  |  |
|  | Check the response message | The message is rejected | The message is rejected due to a missing client last name in the PID-5 field |

MSH|^~\&|Test EHR Application|X68||NIST Test Iz Reg|201207010822||VXU^V04^VXU\_V04|NIST-IZ-019.00|P|2.4|||AL|ER

PID|1||Q-73221^^^NIST MPI^MR|| ^Jirra^Emmanuelle^^^^L||20100907|F

ORC|RE||IZ-783278^NDA|||||||||57422^RADON^NICHOLAS^^^^^^NDA^L

RXA|0|1|20120816||141^Influenza^CVX|0.25|mL^milliliters^UCUM||00^New immunization record^NIP001||||||K5094SC|20121216|SKB^GlaxoSmithKline^MVX|||CP|A

RXR|IM^Intramuscular^HL70162|RA^Right Arm^HL70163

OBX|1|CE|64994-7^Vaccine funding program eligibility category^LN|1|V05^VFC eligible - Federally Qualified Health Center Patient (under-insured)^HL70064||||||F|||20120701|||VXC40^Eligibility captured at the immunization level^CDCPHINVS

OBX|2|CE|30956-7^vaccine type^LN|2|88^Influenza, unspecified formulation^CVX||||||F

OBX|3|TS|29768-9^Date vaccine information statement published^LN|2|20120702||||||F

OBX|4|TS|29769-7^Date vaccine information statement presented^LN|2|20120814||||||F

ORC|RE||IZ-783281^NDA|||||||||57422^RADON^NICHOLAS^^^^^^NDA^L

RXA|0|1|20110216||10^IPV^CVX|999|||01^Historical information - source unspecified^NIP001

ORC|RE||IZ-783282^NDA|||||||||57422^RADON^NICHOLAS^^^^^^NDA^L

RXA|0|1|20120816||120^DTaP-Hib-IPV^CVX|0.5|mL^milliliters^UCUM||00^New immunization record^NIP001||||||568AHK11|20121216|PMC^sanofi pasteur^MVX|||CP|A

RXR|IM^Intramuscular^HL70162|RA^Right Arm^HL70163

OBX|1|CE|64994-7^Vaccine funding program eligibility category^LN|1|V05^VFC eligible - Federally Qualified Health Center Patient (under-insured)^HL70064||||||F|||20120701|||VXC40^Eligibility captured at the immunization level^CDCPHINVS

OBX|2|CE|30956-7^vaccine type^LN|2|107^DTaP^CVX||||||F

Test Case 6

|  |  |  |  |
| --- | --- | --- | --- |
| Test Case | Procedure | Expected Results | Actual Results |
|  | Ability of the system to detect missing mother’s maiden name in the PID-6 field |  |  |
|  | Create a 2.5.1 VXU message with a missing mother’s maiden name in the PID-6 field | The mother’s maiden name does not display in the PID-6 field. |  |
|  | Submit the message to the system |  |  |
|  | Check the response message | The message is rejected | The message is rejected due to a missing mother’s maiden name in the PID65 field |

MSH|^~\&|Test EHR Application|X68||NIST Test Iz Reg|201207010822||VXU^V04^VXU\_V04|NIST-IZ-019.00|P|2.4|||AL|ER

PID|1||Q-73221^^^NIST MPI^MR||Mercer^Jirra^Emmanuelle^^^^L|^Mary|20100907|F

ORC|RE||IZ-783278^NDA|||||||||57422^RADON^NICHOLAS^^^^^^NDA^L

RXA|0|1|20120816||141^Influenza^CVX|0.25|mL^milliliters^UCUM||00^New immunization record^NIP001||||||K5094SC|20121216|SKB^GlaxoSmithKline^MVX|||CP|A

RXR|IM^Intramuscular^HL70162|RA^Right Arm^HL70163

OBX|1|CE|64994-7^Vaccine funding program eligibility category^LN|1|V05^VFC eligible - Federally Qualified Health Center Patient (under-insured)^HL70064||||||F|||20120701|||VXC40^Eligibility captured at the immunization level^CDCPHINVS

OBX|2|CE|30956-7^vaccine type^LN|2|88^Influenza, unspecified formulation^CVX||||||F

OBX|3|TS|29768-9^Date vaccine information statement published^LN|2|20120702||||||F

OBX|4|TS|29769-7^Date vaccine information statement presented^LN|2|20120814||||||F

ORC|RE||IZ-783281^NDA|||||||||57422^RADON^NICHOLAS^^^^^^NDA^L

RXA|0|1|20110216||10^IPV^CVX|999|||01^Historical information - source unspecified^NIP001

ORC|RE||IZ-783282^NDA|||||||||57422^RADON^NICHOLAS^^^^^^NDA^L

RXA|0|1|20120816||120^DTaP-Hib-IPV^CVX|0.5|mL^milliliters^UCUM||00^New immunization record^NIP001||||||568AHK11|20121216|PMC^sanofi pasteur^MVX|||CP|A

RXR|IM^Intramuscular^HL70162|RA^Right Arm^HL70163

OBX|1|CE|64994-7^Vaccine funding program eligibility category^LN|1|V05^VFC eligible - Federally Qualified Health Center Patient (under-insured)^HL70064||||||F|||20120701|||VXC40^Eligibility captured at the immunization level^CDCPHINVS

OBX|2|CE|30956-7^vaccine type^LN|2|107^DTaP^CVX||||||F

Test Case 7

|  |  |  |  |
| --- | --- | --- | --- |
| Test Case | Procedure | Expected Results | Actual Results |
|  | Ability of the system to detect an invalid date of birth in the PID-7 field. |  |  |
|  | Create a 2.5.1 VXU message with 04052013 in the PID-7 field. | An invalid date display in the PID-7 field. |  |
|  | Submit the message to the system |  |  |
|  | Check the response message | The message is rejected | The message is rejected due to an invalid date format in the PID-7 field. |

MSH|^~\&|Test EHR Application|X68||NIST Test Iz Reg|201207010822||VXU^V04^VXU\_V04|NIST-IZ-019.00|P|2.4|||AL|ER

PID|1||Q-73221^^^NIST MPI^MR||Mercer^Jirra^Emmanuelle^^^^L|Mercer^Mary|04052013|F

ORC|RE||IZ-783278^NDA|||||||||57422^RADON^NICHOLAS^^^^^^NDA^L

RXA|0|1|20120816||141^Influenza^CVX|0.25|mL^milliliters^UCUM||00^New immunization record^NIP001||||||K5094SC|20121216|SKB^GlaxoSmithKline^MVX|||CP|A

RXR|IM^Intramuscular^HL70162|RA^Right Arm^HL70163

OBX|1|CE|64994-7^Vaccine funding program eligibility category^LN|1|V05^VFC eligible - Federally Qualified Health Center Patient (under-insured)^HL70064||||||F|||20120701|||VXC40^Eligibility captured at the immunization level^CDCPHINVS

OBX|2|CE|30956-7^vaccine type^LN|2|88^Influenza, unspecified formulation^CVX||||||F

OBX|3|TS|29768-9^Date vaccine information statement published^LN|2|20120702||||||F

OBX|4|TS|29769-7^Date vaccine information statement presented^LN|2|20120814||||||F

ORC|RE||IZ-783281^NDA|||||||||57422^RADON^NICHOLAS^^^^^^NDA^L

RXA|0|1|20110216||10^IPV^CVX|999|||01^Historical information - source unspecified^NIP001

ORC|RE||IZ-783282^NDA|||||||||57422^RADON^NICHOLAS^^^^^^NDA^L

RXA|0|1|20120816||120^DTaP-Hib-IPV^CVX|0.5|mL^milliliters^UCUM||00^New immunization record^NIP001||||||568AHK11|20121216|PMC^sanofi pasteur^MVX|||CP|A

RXR|IM^Intramuscular^HL70162|RA^Right Arm^HL70163

OBX|1|CE|64994-7^Vaccine funding program eligibility category^LN|1|V05^VFC eligible - Federally Qualified Health Center Patient (under-insured)^HL70064||||||F|||20120701|||VXC40^Eligibility captured at the immunization level^CDCPHINVS

OBX|2|CE|30956-7^vaccine type^LN|2|107^DTaP^CVX||||||F

Test Case 8

|  |  |  |  |
| --- | --- | --- | --- |
| Test Case | Procedure | Expected Results | Actual Results |
|  | Ability of the system to detect an invalid ethnic code in the PID-10 field |  |  |
|  | Create a 2.5.1 VXU message with an ethnic code other than what is found in the HL700189 table. | An invalid ethnic code other than what is found in the HL700189 table is entered. |  |
|  | Submit the message to the system |  |  |
|  | Check the response message | A warning message displays | A warning message displays indicating the ethnic code is invalid |

MSH|^~\&|Test EHR Application|X68||NIST Test Iz Reg|201207010822||VXU^V04^VXU\_V04|NIST-IZ-019.00|P|2.4|||AL|ER

PID|1||Q-73221^^^NIST MPI^MR||Mercer^Jirra^Emmanuelle^^^^L|Mercer^Mary|20130405|F|||20111-3^Hispanic^HL700189|

ORC|RE||IZ-783278^NDA|||||||||57422^RADON^NICHOLAS^^^^^^NDA^L

RXA|0|1|20120816||141^Influenza^CVX|0.25|mL^milliliters^UCUM||00^New immunization record^NIP001||||||K5094SC|20121216|SKB^GlaxoSmithKline^MVX|||CP|A

RXR|IM^Intramuscular^HL70162|RA^Right Arm^HL70163

OBX|1|CE|64994-7^Vaccine funding program eligibility category^LN|1|V05^VFC eligible - Federally Qualified Health Center Patient (under-insured)^HL70064||||||F|||20120701|||VXC40^Eligibility captured at the immunization level^CDCPHINVS

OBX|2|CE|30956-7^vaccine type^LN|2|88^Influenza, unspecified formulation^CVX||||||F

OBX|3|TS|29768-9^Date vaccine information statement published^LN|2|20120702||||||F

OBX|4|TS|29769-7^Date vaccine information statement presented^LN|2|20120814||||||F

ORC|RE||IZ-783281^NDA|||||||||57422^RADON^NICHOLAS^^^^^^NDA^L

RXA|0|1|20110216||10^IPV^CVX|999|||01^Historical information - source unspecified^NIP001

ORC|RE||IZ-783282^NDA|||||||||57422^RADON^NICHOLAS^^^^^^NDA^L

RXA|0|1|20120816||120^DTaP-Hib-IPV^CVX|0.5|mL^milliliters^UCUM||00^New immunization record^NIP001||||||568AHK11|20121216|PMC^sanofi pasteur^MVX|||CP|A

RXR|IM^Intramuscular^HL70162|RA^Right Arm^HL70163

OBX|1|CE|64994-7^Vaccine funding program eligibility category^LN|1|V05^VFC eligible - Federally Qualified Health Center Patient (under-insured)^HL70064||||||F|||20120701|||VXC40^Eligibility captured at the immunization level^CDCPHINVS

OBX|2|CE|30956-7^vaccine type^LN|2|107^DTaP^CVX||||||F

Test Case 9

|  |  |  |  |
| --- | --- | --- | --- |
| Test Case | Procedure | Expected Results | Actual Results |
|  | Ability of the system to detect a deprecated ethnic code in the PID-10 field |  |  |
|  | Create a 2.5.1 VXU message with a deprecated ethnic code found in the HL700189 table. | A deprecated ethnic code is entered. |  |
|  | Submit the message to the system |  |  |
|  | Check the response message | A warning message displays | A warning message displays indicating the ethnic code is invalid |

MSH|^~\&|Test EHR Application|X68||NIST Test Iz Reg|201207010822||VXU^V04^VXU\_V04|NIST-IZ-019.00|P|2.4|||AL|ER

PID|1||Q-73221^^^NIST MPI^MR||Mercer^Jirra^Emmanuelle^^^^L|Mercer^Mary|20130405|F|||1004.1^BLACK OR AFRICAN AMERICAN^Hispanic^HL700189|

ORC|RE||IZ-783278^NDA|||||||||57422^RADON^NICHOLAS^^^^^^NDA^L

RXA|0|1|20120816||141^Influenza^CVX|0.25|mL^milliliters^UCUM||00^New immunization record^NIP001||||||K5094SC|20121216|SKB^GlaxoSmithKline^MVX|||CP|A

RXR|IM^Intramuscular^HL70162|RA^Right Arm^HL70163

OBX|1|CE|64994-7^Vaccine funding program eligibility category^LN|1|V05^VFC eligible - Federally Qualified Health Center Patient (under-insured)^HL70064||||||F|||20120701|||VXC40^Eligibility captured at the immunization level^CDCPHINVS

OBX|2|CE|30956-7^vaccine type^LN|2|88^Influenza, unspecified formulation^CVX||||||F

OBX|3|TS|29768-9^Date vaccine information statement published^LN|2|20120702||||||F

OBX|4|TS|29769-7^Date vaccine information statement presented^LN|2|20120814||||||F

ORC|RE||IZ-783281^NDA|||||||||57422^RADON^NICHOLAS^^^^^^NDA^L

RXA|0|1|20110216||10^IPV^CVX|999|||01^Historical information - source unspecified^NIP001

ORC|RE||IZ-783282^NDA|||||||||57422^RADON^NICHOLAS^^^^^^NDA^L

RXA|0|1|20120816||120^DTaP-Hib-IPV^CVX|0.5|mL^milliliters^UCUM||00^New immunization record^NIP001||||||568AHK11|20121216|PMC^sanofi pasteur^MVX|||CP|A

RXR|IM^Intramuscular^HL70162|RA^Right Arm^HL70163

OBX|1|CE|64994-7^Vaccine funding program eligibility category^LN|1|V05^VFC eligible - Federally Qualified Health Center Patient (under-insured)^HL70064||||||F|||20120701|||VXC40^Eligibility captured at the immunization level^CDCPHINVS

OBX|2|CE|30956-7^vaccine type^LN|2|107^DTaP^CVX||||||F

Test Case 18

|  |  |  |  |
| --- | --- | --- | --- |
| Test Case | Procedure | Expected Results | Actual Results |
|  | Ability of the system to detect an invalid measurement in the RXA-7.3 field |  |  |
|  | Create a 2.5.1 VXU message with a pediatric immunization in the RXA-5 field, 100 in the RXA-7.2 field and Meter in the RXA-7.3 field. | An invalid measurement is entered in the RXA-7.3 field. |  |
|  | Submit the message to the system |  |  |
|  | Check the response message | A warning message displays | A warning message displays indicating the measurement is invalid for the immunization given. |

MSH|^~\&|Test EHR Application|X68||NIST Test Iz Reg|201207010822||VXU^V04^VXU\_V04|NIST-IZ-019.00|P|2.4|||AL|ER

PID|1||Q-73221^^^NIST MPI^MR||Mercer^Jirra^Emmanuelle^^^^L|Mercer^Mary|20130405|F|||1004.1^American Indian^ ^HL700189|

ORC|RE||IZ-783278^NDA|||||||||57422^RADON^NICHOLAS^^^^^^NDA^L

RXA|0|1|20120816||141^Influenza^CVX|100.25|MR^METERS^UCUM||00^New immunization record^NIP001||||||K5094SC|20121216|SKB^GlaxoSmithKline^MVX|||CP|A

RXR|IM^Intramuscular^HL70162|RA^Right Arm^HL70163

OBX|1|CE|64994-7^Vaccine funding program eligibility category^LN|1|V05^VFC eligible - Federally Qualified Health Center Patient (under-insured)^HL70064||||||F|||20120701|||VXC40^Eligibility captured at the immunization level^CDCPHINVS

OBX|2|CE|30956-7^vaccine type^LN|2|88^Influenza, unspecified formulation^CVX||||||F

OBX|3|TS|29768-9^Date vaccine information statement published^LN|2|20120702||||||F

OBX|4|TS|29769-7^Date vaccine information statement presented^LN|2|20120814||||||F

ORC|RE||IZ-783281^NDA|||||||||57422^RADON^NICHOLAS^^^^^^NDA^L

RXA|0|1|20110216||10^IPV^CVX|999|||01^Historical information - source unspecified^NIP001

ORC|RE||IZ-783282^NDA|||||||||57422^RADON^NICHOLAS^^^^^^NDA^L

RXA|0|1|20120816||120^DTaP-Hib-IPV^CVX|0.5|mL^milliliters^UCUM||00^New immunization record^NIP001||||||568AHK11|20121216|PMC^sanofi pasteur^MVX|||CP|A

RXR|IM^Intramuscular^HL70162|RA^Right Arm^HL70163

OBX|1|CE|64994-7^Vaccine funding program eligibility category^LN|1|V05^VFC eligible - Federally Qualified Health Center Patient (under-insured)^HL70064||||||F|||20120701|||VXC40^Eligibility captured at the immunization level^CDCPHINVS

OBX|2|CE|30956-7^vaccine type^LN|2|107^DTaP^CVX||||||F

Test Case 21

|  |  |  |  |
| --- | --- | --- | --- |
| Test Case | Procedure | Expected Results | Actual Results |
|  | Ability of the system to detect 998 in the RXA-9 field and ignore the information |  |  |
|  | Create a 2.5.1 VXU message with 998 in the RXA-9 field. | 998 is entered in the RXA-9 field. |  |
|  | Submit the message to the system |  |  |
|  | Check the response message | The entry in RXA-9 should be ignored | Neither a warning message or error message displays. |

MSH|^~\&|Test EHR Application|X68||NIST Test Iz Reg|201207010822||VXU^V04^VXU\_V04|NIST-IZ-019.00|P|2.4|||AL|ER

PID|1||Q-73221^^^NIST MPI^MR||Mercer^Jirra^Emmanuelle^^^^L|Mercer^Mary|20130405|F|||1004.1^American Indian^ ^HL700189|

ORC|RE||IZ-783278^NDA|||||||||57422^RADON^NICHOLAS^^^^^^NDA^L

RXA|0|1|20120816||141^Influenza^CVX|0.25|mL^millileters^UCUM||998^New immunization record^NIP001||||||K5094SC|20121216|SKB^GlaxoSmithKline^MVX|||CP|A

RXR|IM^Intramuscular^HL70162|RA^Right Arm^HL70163

OBX|1|CE|64994-7^Vaccine funding program eligibility category^LN|1|V05^VFC eligible - Federally Qualified Health Center Patient (under-insured)^HL70064||||||F|||20120701|||VXC40^Eligibility captured at the immunization level^CDCPHINVS

OBX|2|CE|30956-7^vaccine type^LN|2|88^Influenza, unspecified formulation^CVX||||||F

OBX|3|TS|29768-9^Date vaccine information statement published^LN|2|20120702||||||F

OBX|4|TS|29769-7^Date vaccine information statement presented^LN|2|20120814||||||F

ORC|RE||IZ-783281^NDA|||||||||57422^RADON^NICHOLAS^^^^^^NDA^L

RXA|0|1|20110216||10^IPV^CVX|999|||01^Historical information - source unspecified^NIP001

ORC|RE||IZ-783282^NDA|||||||||57422^RADON^NICHOLAS^^^^^^NDA^L

RXA|0|1|20120816||120^DTaP-Hib-IPV^CVX|0.5|mL^milliliters^UCUM||00^New immunization record^NIP001||||||568AHK11|20121216|PMC^sanofi pasteur^MVX|||CP|A

RXR|IM^Intramuscular^HL70162|RA^Right Arm^HL70163

OBX|1|CE|64994-7^Vaccine funding program eligibility category^LN|1|V05^VFC eligible - Federally Qualified Health Center Patient (under-insured)^HL70064||||||F|||20120701|||VXC40^Eligibility captured at the immunization level^CDCPHINVS

OBX|2|CE|30956-7^vaccine type^LN|2|107^DTaP^CVX||||||F

Test Case 23

|  |  |  |  |
| --- | --- | --- | --- |
| Test Case | Procedure | Expected Results | Actual Results |
|  | Ability of the system to detect an empty value in the RXA-18 field for refusal |  |  |
|  | Create a 2.5.1 VXU message with an empty RXA-18-1 field. | The RXA-18-1 field is not populated. |  |
|  | Submit the message to the system |  |  |
|  | Check the response message | An error message displays indicating the RXA-18.1 field is not populated. | An error message displays. |

MSH|^~\&|Test EHR Application|X68||NIST Test Iz Reg|201207010822||VXU^V04^VXU\_V04|NIST-IZ-019.00|P|2.4|||AL|ER

PID|1||Q-73221^^^NIST MPI^MR||Mercer^Jirra^Emmanuelle^^^^L|Mercer^Mary|20130405|F|||1004.1^American Indian^ ^HL700189|

ORC|RE||IZ-783278^NDA|||||||||57422^RADON^NICHOLAS^^^^^^NDA^L

RXA|0|1|20120816||141^Influenza^CVX|0.25|mL^millileters^UCUM||00^New immunization record^NIP001||||||K5094SC|20121216|SKB^GlaxoSmithKline^MVX|^refusal by parent^01136||CP|A

RXR|IM^Intramuscular^HL70162|RA^Right Arm^HL70163

OBX|1|CE|64994-7^Vaccine funding program eligibility category^LN|1|V05^VFC eligible - Federally Qualified Health Center Patient (under-insured)^HL70064||||||F|||20120701|||VXC40^Eligibility captured at the immunization level^CDCPHINVS

OBX|2|CE|30956-7^vaccine type^LN|2|88^Influenza, unspecified formulation^CVX||||||F

OBX|3|TS|29768-9^Date vaccine information statement published^LN|2|20120702||||||F

OBX|4|TS|29769-7^Date vaccine information statement presented^LN|2|20120814||||||F

ORC|RE||IZ-783281^NDA|||||||||57422^RADON^NICHOLAS^^^^^^NDA^L

RXA|0|1|20110216||10^IPV^CVX|999|||01^Historical information - source unspecified^NIP001

ORC|RE||IZ-783282^NDA|||||||||57422^RADON^NICHOLAS^^^^^^NDA^L

RXA|0|1|20120816||120^DTaP-Hib-IPV^CVX|0.5|mL^milliliters^UCUM||00^New immunization record^NIP001||||||568AHK11|20121216|PMC^sanofi pasteur^MVX|||CP|A

RXR|IM^Intramuscular^HL70162|RA^Right Arm^HL70163

OBX|1|CE|64994-7^Vaccine funding program eligibility category^LN|1|V05^VFC eligible - Federally Qualified Health Center Patient (under-insured)^HL70064||||||F|||20120701|||VXC40^Eligibility captured at the immunization level^CDCPHINVS

OBX|2|CE|30956-7^vaccine type^LN|2|107^DTaP^CVX||||||F

Test Case 29

|  |  |  |  |
| --- | --- | --- | --- |
| Test Case | Procedure | Expected Results | Actual Results |
|  | Ability of the system to detect with an unrecognized segment after the MSH segment |  |  |
|  | Create a 2.5.1 VXU message with a ZZZ segment in the message after the MSH segment | The ZZZ segment is created after the MSH segment. |  |
|  | Submit the message to the system |  |  |
|  | Check the response message | The unrecognized ZZZ segment displays | The ZZZ segment is ignored. |

MSH|^~\&|Test EHR Application|X68||NIST Test Iz Reg|201207010822||VXU^V04^VXU\_V04|NIST-IZ-019.00|P|2.4|||AL|ER

ZZZ|1|this is a |test|and|only|a|test|to|see what will|happen

PID|1||Q-73221^^^NIST MPI^MR||Mercer^Jirra^Emmanuelle^^^^L|Mercer^Mary|20130405|F|||1004.1^American Indian^ ^HL700189|

ORC|RE||IZ-783278^NDA|||||||||57422^RADON^NICHOLAS^^^^^^NDA^L

RXA|0|1|20120816||141^Influenza^CVX|0.25|mL^millileters^UCUM||00^New immunization record^NIP001||||||K5094SC|20121216|SKB^GlaxoSmithKline^MVX|^refusal by parent^01136||CP|A

RXR|IM^Intramuscular^HL70162|RA^Right Arm^HL70163

OBX|1|CE|64994-7^Vaccine funding program eligibility category^LN|1|V05^VFC eligible - Federally Qualified Health Center Patient (under-insured)^HL70064||||||F|||20120701|||VXC40^Eligibility captured at the immunization level^CDCPHINVS

OBX|2|CE|30956-7^vaccine type^LN|2|88^Influenza, unspecified formulation^CVX||||||F

OBX|3|TS|29768-9^Date vaccine information statement published^LN|2|20120702||||||F

OBX|4|TS|29769-7^Date vaccine information statement presented^LN|2|20120814||||||F

ORC|RE||IZ-783281^NDA|||||||||57422^RADON^NICHOLAS^^^^^^NDA^L

RXA|0|1|20110216||10^IPV^CVX|999|||01^Historical information - source unspecified^NIP001

ORC|RE||IZ-783282^NDA|||||||||57422^RADON^NICHOLAS^^^^^^NDA^L

RXA|0|1|20120816||120^DTaP-Hib-IPV^CVX|0.5|mL^milliliters^UCUM||00^New immunization record^NIP001||||||568AHK11|20121216|PMC^sanofi pasteur^MVX|||CP|A

RXR|IM^Intramuscular^HL70162|RA^Right Arm^HL70163

OBX|1|CE|64994-7^Vaccine funding program eligibility category^LN|1|V05^VFC eligible - Federally Qualified Health Center Patient (under-insured)^HL70064||||||F|||20120701|||VXC40^Eligibility captured at the immunization level^CDCPHINVS

OBX|2|CE|30956-7^vaccine type^LN|2|107^DTaP^CVX||||||F

Test Case 29

|  |  |  |  |
| --- | --- | --- | --- |
| Test Case | Procedure | Expected Results | Actual Results |
|  | Ability of the system to detect the client’s name repeated in the PID-5 field |  |  |
|  | Create a 2.5.1 VXU message with a repeat of the client’s name in the PID-5 field. | The client’s name is repeated in the PID-5 field. |  |
|  | Submit the message to the system |  |  |
|  | Check the response message | Neither a warning or error message displays. | Messages do not display |

MSH|^~\&|Test EHR Application|X68||NIST Test Iz Reg|201207010822||VXU^V04^VXU\_V04|NIST-IZ-019.00|P|2.4|||AL|ER

PID|1||Q-73221^^^NIST MPI^MR||Mercer^Jirra^Emmanuelle^Mercer^Jirra^Emnmanuelle^^^L|Mercer^Mary|20130405|F|||1004.1^American Indian^ ^HL700189|

ORC|RE||IZ-783278^NDA|||||||||57422^RADON^NICHOLAS^^^^^^NDA^L

RXA|0|1|20120816||141^Influenza^CVX|0.25|mL^millileters^UCUM||00^New immunization record^NIP001||||||K5094SC|20121216|SKB^GlaxoSmithKline^MVX|^refusal by parent^01136||CP|A

RXR|IM^Intramuscular^HL70162|RA^Right Arm^HL70163

OBX|1|CE|64994-7^Vaccine funding program eligibility category^LN|1|V05^VFC eligible - Federally Qualified Health Center Patient (under-insured)^HL70064||||||F|||20120701|||VXC40^Eligibility captured at the immunization level^CDCPHINVS

OBX|2|CE|30956-7^vaccine type^LN|2|88^Influenza, unspecified formulation^CVX||||||F

OBX|3|TS|29768-9^Date vaccine information statement published^LN|2|20120702||||||F

OBX|4|TS|29769-7^Date vaccine information statement presented^LN|2|20120814||||||F

ORC|RE||IZ-783281^NDA|||||||||57422^RADON^NICHOLAS^^^^^^NDA^L

RXA|0|1|20110216||10^IPV^CVX|999|||01^Historical information - source unspecified^NIP001

ORC|RE||IZ-783282^NDA|||||||||57422^RADON^NICHOLAS^^^^^^NDA^L

RXA|0|1|20120816||120^DTaP-Hib-IPV^CVX|0.5|mL^milliliters^UCUM||00^New immunization record^NIP001||||||568AHK11|20121216|PMC^sanofi pasteur^MVX|||CP|A

RXR|IM^Intramuscular^HL70162|RA^Right Arm^HL70163

OBX|1|CE|64994-7^Vaccine funding program eligibility category^LN|1|V05^VFC eligible - Federally Qualified Health Center Patient (under-insured)^HL70064||||||F|||20120701|||VXC40^Eligibility captured at the immunization level^CDCPHINVS

OBX|2|CE|30956-7^vaccine type^LN|2|107^DTaP^CVX||||||F