

# **Immunization Test Case IZ\_6\_1.1**

## **Varicella History Child**

# Test Story

## Varicella History Child

### Description

A child, Aron Wolfe, is brought to the clinic on Sept. 15, 2012 for a well child visit. The clinic staff collects basic identifying information, including name, birth date, and sex. A clinician reviews the patient's medical history with the mother and determines that the child had a varicella infection in the past. A clinician staff enters the patient demographic information and evidence of immunity (varicella) into the EHR and transmits it to the IIS.

### Pre Condition

NO PreCondition.

### Post Condition

NO PostCondition.

### Test Objectives

This test case examines the ability of an EHR to create a VXU message for well child visit where the child's parent reports that the child had had varicella previously. A typical populated message for this test case provides; -Patient demographic information in the PID segment. -Vaccination administration information in the RXA segment; RXA.5 must be populated indicating that no vaccine was administered. -Evidence of immunity in the OBX segment; OBX.5 must be populated indicating the disease with presumed immunity. The test case provides an example of the patient information and vaccination administration information.

### Notes to Testers

NO Note.

# Test Data Specification

## Varicella History Child

### Patient Information

Element Name	Data
Patient Name	Wolfe Aron
Mother's Maiden Name	
Date/Time of Birth	09/07/2001
Administrative Sex	Male
Patient Address	
Local Number	
Race	
Ethnic Group	
Birth Order	

### Vaccine Administration Information

Element Name	Data
Administered Code - Text	No vaccine administered
Date/Time Start of Administration	02/15/2011
Administered Amount	999
Administered Units	
Administration Notes (Text)	
Substance Lot Number	
Substance Expiration Date	
Substance Manufacturer Name	
Substance/Treatment Refusal Reason	
Route	
Administration Site	

Disease with presumed immunity	Varicella infection
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# **Message Content Data Sheet**

## Varicella History Child

### Test Case Information

Varicella History Child	
<b>Test Case ID</b>	IZ_6_1.1

### MSH : Message Header Segment

Location	Data Element	Data	Categorization
<b>MSH.1</b>	<b>Field Separator</b>		IG Fixed Data
<b>MSH.2</b>	<b>Encoding Characters</b>	^~\&	IG Fixed Data
<b>MSH.3</b>	<b>Sending Application</b>		
MSH.3.1	Namespace ID	Test EHR Application	Configurable Data
MSH.3.2	Universal ID		
MSH.3.3	Universal ID Type		
<b>MSH.4</b>	<b>Sending Facility</b>		
MSH.4.1	Namespace ID	X68	Test Case Fixed Data
MSH.4.2	Universal ID		
MSH.4.3	Universal ID Type		
<b>MSH.6</b>	<b>Receiving Facility</b>		
MSH.6.1	Namespace ID	NIST Test Iz Reg	Configurable Data
MSH.6.2	Universal ID		
MSH.6.3	Universal ID Type		
<b>MSH.7</b>	<b>Date/Time Of Message</b>		
MSH.7.1	Time	201207010822	System Generated
<b>MSH.9</b>	<b>Message Type</b>		
MSH.9.1	Message Code	VXU	IG Fixed Data
MSH.9.2	Event Type	V04	IG Fixed Data
MSH.9.3	Message Structure	VXU_V04	IG Fixed Data
<b>MSH.10</b>	<b>Message Control ID</b>	NIST-IXZ-TC-VXU-XXX.XX	System Generated
<b>MSH.11</b>	<b>Processing ID</b>		
MSH.11.1	Processing ID	P	Configurable Data
<b>MSH.12</b>	<b>VersionID</b>		
MSH.12.1	Version ID	2.5.1	IG Fixed Data
<b>MSH.15</b>	<b>Accept Acknowledgment Type</b>	AL	Changeable Data
<b>MSH.16</b>	<b>Application Acknowledgment Type</b>	ER	Changeable Data

### PID : Patient Identifier Segment

Location	Data Element	Data	Categorization
<b>PID.1</b>	<b>Set ID - PID</b>	1	IG Fixed Data
<b>PID.3[1]</b>	<b>Patient Identifier List</b>		

Varicella History Child

PID.3[1].1	ID Number	MR-11891	Changeable Data
PID.3[1].4	Assigning Authority		
PID.3[1].4.1	Namespace ID	NIST MPI	Changeable Data
PID.3[1].4.2	Universal ID		
PID.3[1].4.3	Universal ID Type		
PID.3[1].5	Identifier Type Code	MR	Test Case Fixed Data
<b>PID.5</b>	<b>Patient Name</b>		
PID.5.1	Family Name		
PID.5.1.1	Surname	Wolfe	Changeable Data
PID.5.2	Given Name	Aron	Changeable Data
PID.5.3	Second and Further Given Names or Initials Thereof		
PID.5.7	Name Type Code	L	Test Case Fixed Data
<b>PID.6</b>	<b>Mother's Maiden Name</b>		
PID.6.1	Family Name		
PID.6.1.1	Surname		
PID.6.2	Given Name		
PID.6.3	Second and Further Given Names or Initials Thereof		
PID.6.7	Name Type Code		
<b>PID.7</b>	<b>Date/Time of Birth</b>		
PID.7.1	Time	20010907	Changeable Data
<b>PID.8</b>	<b>Administrative Sex</b>	M	Test Case Fixed Data
<b>PID.10</b>	<b>Race</b>		
PID.10.1	Identifier		
PID.10.2	Text		
PID.10.3	Name of the Coding System		
PID.10.4	Alternate Identifier		
PID.10.5	Alternate Text		
PID.10.6	Name of Alternate Coding System		
<b>PID.11</b>	<b>Patient Address</b>		
PID.11.1	Street Address		
PID.11.1.1	Street or Mailing Address		
PID.11.2	Other Designation		
PID.11.3	City		
PID.11.4	State or Province		
PID.11.5	Zip or Postal Code		
PID.11.6	Country		
PID.11.7	Address Type		
<b>PID.13</b>	<b>Phone Number-Home</b>		
PID.13.2	Telecommunication Use Code		
PID.13.3	Telecommunication Equipment Type		
PID.13.4	Email Address		
PID.13.6	Area/City Code		



## Varicella History Child

PID.13.7	Local Number		
<b>PID.22</b>	<b>Ethnic Group</b>		
PID.22.1	Identifier		
PID.22.2	Text		
PID.22.3	Name of the Coding System		
PID.22.4	Alternate Identifier		
PID.22.5	Alternate Text		
PID.22.6	Name of Alternate Coding System		
<b>PID.24</b>	<b>Multiple Birth Indicator</b>		
<b>PID.25</b>	<b>Birth Order</b>		
<b>PID.29</b>	<b>Patient Death Date and Time</b>		
PID.29.1	Time		
<b>PID.30</b>	<b>Patient Death Indicator</b>		

## Varicella History Child

### ORC : Order Common

Location	Data Element	Data	Categorization
<b>ORC.1</b>	<b>Order Control</b>	RE	IG Fixed Data
<b>ORC.2</b>	<b>Placer Order Number</b>		
ORC.2.1	Entity Identifier		
ORC.2.2	Namespace ID		
ORC.2.3	Universal ID		
ORC.2.4	Universal ID Type		
<b>ORC.3</b>	<b>Filler Order Number</b>		
ORC.3.1	Entity Identifier	IZ-783279	Changeable Data
ORC.3.2	Namespace ID	NDA	Changeable Data
ORC.3.3	Universal ID		
ORC.3.4	Universal ID Type		
<b>ORC.10</b>	<b>Entered By</b>		
ORC.10.1	ID Number		
ORC.10.2	Family Name		
ORC.10.2.1	Surname		
ORC.10.3	Given Name		
ORC.10.4	Second and Further Given Names or Initials Thereof		
ORC.10.9	Assigning Authority		
ORC.10.9.1	Namespace ID		
ORC.10.9.2	Universal ID		
ORC.10.9.3	Universal ID Type		
<b>ORC.12</b>	<b>Ordering Provider</b>		
ORC.12.1	ID Number	57422	Changeable Data
ORC.12.2	Family Name		
ORC.12.2.1	Surname	RADON	Changeable Data
ORC.12.3	Given Name	NICHOLAS	Changeable Data
ORC.12.4	Second and Further Given Names or Initials Thereof		
ORC.12.9	Assigning Authority		
ORC.12.9.1	Namespace ID	NDA	Changeable Data
ORC.12.9.2	Universal ID		
ORC.12.9.3	Universal ID Type		
ORC.12.10	Name Type Code	L	Test Case Fixed Data

### RXA : Pharmacy Administration Segment

Location	Data Element	Data	Categorization
<b>RXA.1</b>	<b>Give Sub-ID Counter</b>	0	IG Fixed Data
<b>RXA.2</b>	<b>Administration Sub-ID Counter</b>	1	IG Fixed Data

Varicella History Child

<b>RXA.3</b>	<b>Date/Time Start of Administration</b>		
RXA.3.1	Time	20110215	Changeable Data
<b>RXA.4</b>	<b>Date/Time End of Administration</b>		
RXA.4.1	Date/Time End of Administration		
<b>RXA.5</b>	<b>Administered Code</b>		
RXA.5.1	Identifier	998	Test Case Fixed Data
RXA.5.2	Text	No vaccine administered	Changeable Data
RXA.5.3	Name of Coding System	CVX	IG Fixed Data
RXA.5.4	Alternate Identifier		
RXA.5.5	Alternate Text		
RXA.5.6	Name of Alternate Coding System		
<b>RXA.6</b>	<b>Administered Amount</b>	999	Test Case Fixed Data
<b>RXA.7</b>	<b>Administered Units (ml, etc)</b>		
RXA.7.1	Identifier		
RXA.7.2	Text		
RXA.7.3	Name of Coding System		
RXA.7.4	Alternate Identifier		
RXA.7.5	Alternate Text		
RXA.7.6	Name of Alternate Coding System		
<b>RXA.9</b>	<b>Administration Notes</b>		
<b>RXA.9-CE</b>	<b>Administration Notes</b>		
RXA.9-CE.1	Identifier		
RXA.9-CE.2	Text		
RXA.9-CE.3	Name of Coding		
RXA.9-CE.4	Alternate Identifier		
RXA.9-CE.5	Alternate Text		
RXA.9-CE.6	Name of Alternate		
<b>RXA.10</b>	<b>Administering Provider</b>		
RXA.10.1	ID Number		
RXA.10.2	Family Name		
RXA.10.2.1	Surname		
RXA.10.3	Given Name		
RXA.10.4	Second and Further Given Names or Initials Thereof		
RXA.10.9	Assigning Authority		
RXA.10.9.1	Namespace ID		
RXA.10.9.2	Universal ID		
RXA.10.9.3	Universal ID Type		
<b>RXA.11</b>	<b>Administered-at Location</b>		
RXA.11.4	Facility		
RXA.11.4.1	Namespace ID		

Varicella History Child

RXA.11.4.2	Universal ID		
RXA.11.4.3	Universal ID Type		
<b>RXA.15</b>	<b>Substance Lot Number</b>		
<b>RXA.16</b>	<b>Substance Expiration Date</b>		
RXA.16.1	Time		
<b>RXA.17</b>	<b>Substance Manufacturer Name</b>		
RXA.17.1	Identifier		
RXA.17.2	Text		
RXA.17.3	Name of Coding System		
RXA.17.4	Alternate Identifier		
RXA.17.5	Alternate Text		
RXA.17.6	Name of Alternate Coding System		
<b>RXA.18</b>	<b>Substance/Treatment Refusal Reason</b>		
RXA.18.1	Identifier		
RXA.18.2	Text		
RXA.18.3	Name of Coding System		
RXA.18.4	Alternate Identifier		
RXA.18.5	Alternate Text		
RXA.18.6	Name of Alternate Coding System		
<b>RXA.20</b>	<b>Completion Status</b>	NA	Test Case Fixed Data
<b>RXA.21</b>	<b>Action Code - RXA</b>		

Varicella History Child

OBX : Observation Results Segment

Location	Data Element	Data	Categorization
<b>OBX.1</b>	<b>Set ID - OBX</b>	1	IG Fixed Data
<b>OBX.2</b>	<b>Value Type</b>	CE	Test Case Fixed Data
<b>OBX.3</b>	<b>Observation Identifier</b>		
OBX.3.1	Identifier	59784-9	Test Case Fixed Data
OBX.3.2	Text	Disease with presumed immunity	Test Case Fixed Data
OBX.3.3	Name of the Coding System	LN	Test Case Fixed Data
OBX.3.4	Alternate Identifier		
OBX.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
<b>OBX.4</b>	<b>Observation Sub-ID</b>	1	Changeable Data
<b>OBX.5-CE</b>	<b>Observation Value</b>		
OBX.5-CE.1	Identifier	38907003	Test Case Fixed Data
OBX.5-CE.2	Text	Varicella infection	Test Case Fixed Data
OBX.5-CE.3	Name of the Coding System	SCT	Test Case Fixed Data
OBX.5-CE.4	Alternate Identifier		
OBX.5-CE.5	Alternate Text		
OBX.5-CE.6	Name of Alternate Coding System		
<b>OBX.6</b>	<b>Units</b>		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of the Coding System		
OBX.6.4	Alternate Identifier		
OBX.6.5	Alternate Text		
OBX.6.6	Name of Alternate Coding System		
<b>OBX.11</b>	<b>Observation Result Status</b>	F	Test Case Fixed Data
<b>OBX.14</b>	<b>Date/Time of the Observation</b>		
OBX.14.1	Time		
<b>OBX.17</b>	<b>Observation Method</b>		
OBX.17.1	Identifier		
OBX.17.2	Text		
OBX.17.3	Name of the Coding System		
OBX.17.4	Alternate Identifier		
OBX.17.5	Alternate Text		
OBX.17.6	Name of Alternate Coding System		