

Description

A child, Aron Wolfe, is brought to the clinic on Feb. 15, 2011 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.

PreCondition

NO PreCondition.

PostCondition

NO PostCondition.

TestObjectives

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 populating 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.

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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Test Case Information

NIST-IZ-006.00 - Varicella History Child	
Test Case ID	IZ_6_1.1

MSH : Message Header Segment

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

PID : Patient Identifier Segment

Location	Data Element	Data	Categorization
PID.1	Set ID - PID	1	IG Fixed Data
PID.3[1]	Patient Identifier List		
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
PID.5	Patient Name		
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
PID.6	Mother's Maiden Name		

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		
PID.7	Date/Time of Birth		
PID.7.1	Time	20010907	Changeable Data
PID.8	Administrative Sex	M	Test Case Fixed Data
PID.10	Race		
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		
PID.11	Patient Address		
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		
PID.13	Phone Number-Home		
PID.13.2	Telecommunication Use Code		
PID.13.3	Telecommunication Equipment Type		
PID.13.4	Email Address		
PID.13.6	Area/City Code		
PID.13.7	Local Number		
PID.22	Ethnic Group		
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		
PID.24	Multiple Birth Indicator		
PID.25	Birth Order		
PID.29	Patient Death Date and Time		
PID.29.1	Time		
PID.30	Patient Death Indicator		

ORC : Order Common

Location	Data Element	Data	Categorization
ORC.1	Order Control	RE	IG Fixed Data
ORC.2	Placer Order Number		
ORC.2.1	Entity Identifier		
ORC.2.2	Namespace ID		
ORC.2.3	Universal ID		
ORC.2.4	Universal ID Type		
ORC.3	Filler Order Number		
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		
ORC.10	Entered By		
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		
ORC.12	Ordering Provider		
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
RXA.1	Give Sub-ID Counter	0	IG Fixed Data
RXA.2	Administration Sub-ID Counter	1	IG Fixed Data
RXA.3	Date/Time Start of Administration		
RXA.3.1	Time	20110215	Changeable Data
RXA.4	Date/Time End of Administration		
RXA.4.1	Date/Time End of Administration		
RXA.5	Administered Code		
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		
RXA.6	Administered Amount	999	Test Case Fixed Data
RXA.7	Administered Units (ml, etc)		

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		
RXA.9	Administration Notes		
RXA.9-CE	Administration Notes		
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		
RXA.10	Administering Provider		
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		
RXA.11	Administered-at Location		
RXA.11.4	Facility		
RXA.11.4.1	Namespace ID		
RXA.11.4.2	Universal ID		
RXA.11.4.3	Universal ID Type		
RXA.15	Substance Lot Number		
RXA.16	Substance Expiration Date		
RXA.16.1	Time		
RXA.17	Substance Manufacturer Name		
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		
RXA.18	Substance/Treatment Refusal Reason		
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		
RXA.20	Completion Status	NA	Test Case Fixed Data
RXA.21	Action Code - RXA		

OBX : Observation Results Segment

Location	Data Element	Data	Categorization
OBX.1	Set ID - OBX	1	IG Fixed Data
OBX.2	Value Type	CE	Test Case Fixed Data
OBX.3	Observation Identifier		
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		
OBX.4	Observation Sub-ID	1	Changeable Data
OBX.5-CE	Observation Value		
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		
OBX.6	Units		
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		
OBX.11	Observation Result Status	F	Test Case Fixed Data
OBX.14	Date/Time of the Observation		
OBX.14.1	Time		
OBX.17	Observation Method		
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		