

Immunization Test Case IZ_4_1.1

Consented Child

Test Story

Description

A child, Lea Newton, is brought to the clinic on April 14, 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 vaccination history and determines that the child previously received a Tdap (Boostrix) vaccine. A clinician explains that information about this vaccination will be sent to the IIS and gives the mother a IIS supplied consent form. The mother signs the form indicating that the patient's vaccination history can be sent and shared with the IIS. A clinician staff enters the patient demographic information, historical vaccination information, and IIS consent status 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 single vaccination where the guardian has indicated that the information shall be protected. A typical populated message for this test case must provide; -Patient demographic information in the PID segment. -Immunization registry information in the PD1 segment; PD1.12 must be populated the protection indicator. -Vaccination administration information in the RXA segment. The test case provides an example of the patient information, immunization registry information and vaccination administration information.

Notes to Testers

NO Note.

Test Data Specification

Patient Information

Element Name	Data
Patient Name	Newton Lea
Mother's Maiden Name	
Date/Time of Birth	09/05/2001
Administrative Sex	Female
Patient Address	
Local Number	
Race	
Ethnic Group	
Birth Order	

Immunization Registry Information

Element Name	Data
Immunization Registry Status	
Publicity Code (Text)	
Protection Indicator Effective Date	
Publicity Code Effective Date	
Immunization Registry Status Effective Date	

Vaccine Administration Information

Element Name	Data
Administered Code - Text	Tdap
Date/Time Start of Administration	02/14/2011
Administered Amount	999
Administered Units	
Administration Notes (Text)	Historical information - source unspecified
Substance Lot Number	
Substance Expiration Date	
Substance Manufacturer Name	
Substance/Treatment Refusal Reason	
Route	
Administration Site	

Message Content Data Sheet

Test Case Information

Consented Child	
Test Case ID	IZ_4_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		

Consented Child

PID.3[1].1	ID Number	X-6523	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	Newton	Changeable Data
PID.5.2	Given Name	Lea	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	20010905	Changeable Data
PID.8	Administrative Sex	F	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		

PD1 : Additional Demographics

Location	Data Element	Data	Categorization
PD1.11	Publicity Code		
PD1.11.1	Identifier		
PD1.11.2	Text		
PD1.11.3	Name of the Coding System		
PD1.11.4	Alternate Identifier		
PD1.11.5	Alternate Text		
PD1.11.6	Name of Alternate Coding System		
PD1.12	Protection Indicator	Y	Test Case Fixed Data
PD1.13	Protection Indicator Effective Date	20120701	Changeable Data
PD1.16	Immunization Registry Status		
PD1.17	Immunization Registry Status Effective Date		
PD1.18	Publicity Code Effective Date		

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-783277	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	20110214	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	115	Test Case Fixed Data
RXA.5.2	Text	Tdap	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	01	Test Case Fixed Data
RXA.9-CE.2	Text	Historical information - source unspecified	Changeable Data
RXA.9-CE.3	Name of Coding	NIP001	IG Fixed Data
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		
RXA.21	Action Code - RXA		