

#### Description

A child, Lea Newton, is brought to the clinic on Feb 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 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.

#### 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 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.

### 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	

Test Case Information

NIST-IZ-004.00 - 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		
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		
<b>PID.7</b>	<b>Date/Time of Birth</b>		
PID.7.1	Time	20010905	Changeable Data
<b>PID.8</b>	<b>Administrative Sex</b>	F	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		
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>		

PD1 : Additional Demographics

Location	Data Element	Data	Categorization
<b>PD1.11</b>	<b>Publicity Code</b>		
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		
<b>PD1.12</b>	<b>Protection Indicator</b>	Y	Test Case Fixed Data
<b>PD1.13</b>	<b>Protection Indicator Effective Date</b>	20120701	Changeable Data
<b>PD1.16</b>	<b>Immunization Registry Status</b>		
<b>PD1.17</b>	<b>Immunization Registry Status Effective Date</b>		
<b>PD1.18</b>	<b>Publicity Code Effective Date</b>		

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-783277	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
<b>RXA.3</b>	<b>Date/Time Start of Administration</b>		
RXA.3.1	Time	20110214	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	I15	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		
<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	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		
<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		
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>		
<b>RXA.21</b>	<b>Action Code - RXA</b>		