

Description

For purposes of reporting immunizations this clinic has been assigned an id of X68 by the Immunization Information System (IIS). A toddler, Madelynn Ainsley Snow, is brought to the clinic on Aug 14, 2012 by her mother, Morgan Lam, for a well child visit. A clinician staff collects basic identifying information, including name, birth date, sex, address, phone, SSN, race, and ethnicity. A clinician staff review the patient's vaccination history and determines that the patient needs an an Influenza vaccination. A clinician interviews the mother and determines that the patient qualifies for a Vaccines For Children (VFC) supplied vaccine under the status of VFC eligible - Federally Qualified Health Center Patient (under-insured). The clinic staff gives the mother a Vaccine Information Statement for Inactivated Flu published by the CDC on Jul 2, 2012 to review. After reading the VIS the mother agrees that the child should receive the vaccination. The clinic staff explains that information about this vaccination will be sent to the IIS and ask if the IIS can send a reminder about when the next vaccination is due. The mother indicates that contact should be made by the IIS. The clinic staff then prepares an Influenza vaccination dose, CSL Behring Lot #Z0860BB, from the VFC publicly supplied vaccine stock and administers it to the patient in the left arm. The clinic staff enters the patient demographic information, VFC status, VIS information, contact status, and vaccination administration information into the EHR and transmits it to the IIS, indicating to the IIS that an active patient of the clinic was administered a vaccination.

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. A maximally populated message is tested for relevant required, required or empty and conditional elements. The message must provide; - Patient demographic information in the PID segment - Guardian information in the NK segment. - VFC status and VIS information in the OBX segments - Contact or publicity status in the PD1 segment - Vaccination administration RXA and RXR segments. The test case provides an example of all the relevant elements.

Notes to Testers

NO Note.

Patient Information

Element Name	Data
Patient Name	Snow Madelynn Ainsley
Mother's Maiden Name	Lam Morgan
Date/Time of Birth	07/06/2010
Administrative Sex	Female
Patient Address	32 Prescott Street Ave Warwick MA 02452 USA
Local Number	(657) 555-8563
Race	Native Hawaiian or Other Pacific Islander
Ethnic Group	Hispanic or Latino
Birth Order	

Immunization Registry Information

Element Name	Data
Immunization Registry Status	Active
Publicity Code (Text)	Reminder/Recall - any method
Protection Indicator Effective Date	
Publicity Code Effective Date	
Immunization Registry Status Effective Date	

Guardian or Responsible Party

Element Name	Data
Name	Choy Debby
Relationship	Mother
Address	32 Prescott Street Ave Warwick MA 02452
Address (Country)	USA
Phone Number or E-mail address	657 5558563

Vaccine Administration Information

Element Name	Data
Administered Code - Text	Influenza, seasonal, injectable, preservative free
Date/Time Start of Administration	07/04/2012
Administered Amount	0.25
Administered Units	milliliters
Administration Notes (Text)	New immunization record
Substance Lot Number	Z0860BB
Substance Expiration Date	11/04/2012
Substance Manufacturer Name	CSL Behring
Substance/Treatment Refusal Reason	

Route	Intramuscular
Administration Site	Left Arm

New immunization record	
Vaccine funding program eligibility category	VFC eligible - Federally Qualified Health Center Patient (under-insured)
vaccine type	Inactivated Flu
Date vaccine information statement published	07/02/2012
Date vaccine information statement presented	08/14/2012

Test Case Information

NIST-IZ-001.00 - Admin for Child	
Test Case ID	IZ_1_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	2.16.840.1.113883.3.72.5.40	Configurable Data
MSH.3.3	Universal ID Type	ISO	IG Fixed Data
MSH.4	Sending Facility		
MSH.4.1	Namespace ID	X68	Test Case Fixed Data
MSH.4.2	Universal ID	2.16.840.1.113883.3.72.5.41	Configurable Data
MSH.4.3	Universal ID Type	ISO	IG Fixed Data
MSH.6	Receiving Facility		
MSH.6.1	Namespace ID	NIST Test Iz Reg	Configurable Data
MSH.6.2	Universal ID	2.16.840.1.113883.3.72.5.42	Configurable Data
MSH.6.3	Universal ID Type	ISO	IG Fixed Data
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	D26376273	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	2.16.840.1.113883.3.72.5.30.2	Configurable Data
PID.3[1].4.3	Universal ID Type	ISO	IG Fixed Data
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	Snow	Changeable Data
PID.5.2	Given Name	Madelynn	Changeable Data
PID.5.3	Second and Further Given Names or Initials Thereof	Ainsley	Changeable Data
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	Lam	Changeable Data
PID.6.2	Given Name	Morgan	Changeable Data
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	20100706	Changeable Data
PID.8	Administrative Sex	F	Test Case Fixed Data
PID.10	Race		
PID.10.1	Identifier	2076-8	Test Case Fixed Data
PID.10.2	Text	Native Hawaiian or Other Pacific Islander	Changeable Data
PID.10.3	Name of the Coding System	HL70005	IG Fixed Data
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	32 Prescott Street Ave	Changeable Data
PID.11.2	Other Designation		
PID.11.3	City	Warwick	Changeable Data
PID.11.4	State or Province	MA	Changeable Data
PID.11.5	Zip or Postal Code	02452	Changeable Data
PID.11.6	Country	USA	Changeable Data
PID.11.7	Address Type	L	Test Case Fixed Data
PID.13	Phone Number-Home		
PID.13.2	Telecommunication Use Code	PRN	Test Case Fixed Data
PID.13.3	Telecommunication Equipment Type	PH	Test Case Fixed Data
PID.13.4	Email Address		
PID.13.6	Area/City Code	657	Changeable Data
PID.13.7	Local Number	5558563	Changeable Data
PID.22	Ethnic Group		
PID.22.1	Identifier	H	Test case Fixed Data
PID.22.2	Text	Hispanic or Latino	Changeable Data
PID.22.3	Name of the Coding System	HL70189	Test case Fixed Data
PID.22.4	Alternate Identifier	2135-2	Test case Fixed Data
PID.22.5	Alternate Text	Hispanic or Latino	Changeable Data
PID.22.6	Name of Alternate Coding System	HL70189	Test case Fixed Data
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	02	Test Case Fixed Data
PD1.11.2	Text	Reminder/Recall - any method	Changeable Data
PD1.11.3	Name of the Coding System	HL70215	IG Fixed Data
PD1.11.4	Alternate Identifier		
PD1.11.5	Alternate Text		
PD1.11.6	Name of Alternate Coding System		
PD1.12	Protection Indicator		
PD1.13	Protection Indicator Effective Date		
PD1.16	Immunization Registry Status	A	Test Case Fixed Data
PD1.17	Immunization Registry Status Effective Date	20120701	Changeable Data
PD1.18	Publicity Code Effective Date	20120701	Changeable Data

NK1 : Next of Kin/Associated parties

Location	Data Element	Data	Categorization
NK1.1	Set ID - NK1	1	Test Case Fixed Data
NK1.2	Name		
NK1.2.1	Family Name		
NK1.2.1.1	Surname	Choy	Changeable Data
NK1.2.2	Given Name	Debby	Changeable Data
NK1.2.3	Second and Further Given Names or Initials Thereof		
NK1.2.7	Name Type Code	L	Test Case Fixed Data
NK1.3	Relationship		
NK1.3.1	Identifier	MTH	Test Case Fixed Data
NK1.3.2	Text	Mother	Changeable Data
NK1.3.3	Name of the Coding System	HL70063	IG Fixed Data
NK1.3.4	Alternate Identifier		
NK1.3.5	Alternate Text		
NK1.3.6	Name of Alternate Coding System		
NK1.4	Address		
NK1.4.1	Street Address		
NK1.4.1.1	Street or Mailing Address	32 Prescott Street Ave	Changeable Data
NK1.4.2	Other Designation		
NK1.4.3	City	Warwick	Changeable Data
NK1.4.4	State or Province	MA	Changeable Data
NK1.4.5	Zip or Postal Code	02452	Changeable Data
NK1.4.6	Country	USA	Changeable Data
NK1.4.7	Address Type	L	Test case Fixed Data
NK1.5	Phone Number		
NK1.5.2	Telecommunication Use Code	PRN	Test case Fixed Data
NK1.5.3	Telecommunication Equipment Type	PH	Test case Fixed Data
NK1.5.4	Email Address		
NK1.5.6	Area/City Code	657	Changeable Data
NK1.5.7	Local Number	5558563	Changeable Data

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-783274	Changeable Data
ORC.3.2	Namespace ID	NDA	Changeable Data
ORC.3.3	Universal ID	2.16.840.1.113883.3.72.5.30.2	Configurable Data
ORC.3.4	Universal ID Type	ISO	IG Fixed Data
ORC.10	Entered By		
ORC.10.1	ID Number	I-23432	Changeable Data
ORC.10.2	Family Name		
ORC.10.2.1	Surname	Donna	Changeable Data
ORC.10.3	Given Name	Burden	Changeable Data
ORC.10.4	Second and Further Given Names or Initials Thereof	A	Changeable Data
ORC.10.9	Assigning Authority		
ORC.10.9.1	Namespace ID	NIST-AA-1	Changeable Data
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	NIST-AA-1	Changeable Data
ORC.12.9.2	Universal ID	2.16.840.1.113883.3.72.5.30.1	Changeable Data
ORC.12.9.3	Universal ID Type	ISO	IG Fixed Data
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	20120704	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	140	Test Case Fixed Data
RXA.5.2	Text	Influenza, seasonal, injectable, preservative free	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	0.25	Test Case Fixed Data
RXA.7	Administered Units (ml, etc)		

RXA.7.1	Identifier	mL	Test Case Fixed Data
RXA.7.2	Text	milliliters	Test Case Fixed Data
RXA.7.3	Name of Coding System	UCUM	Test Case Fixed Data
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	00	Test Case Fixed Data
RXA.9-CE.2	Text	New immunization record	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	7832-1	Changeable Data
RXA.10.2	Family Name		
RXA.10.2.1	Surname	Lemon	Changeable Data
RXA.10.3	Given Name	Mike	Changeable Data
RXA.10.4	Second and Further Given Names or Initials Thereof	A	Changeable Data
RXA.10.9	Assigning Authority		
RXA.10.9.1	Namespace ID	NIST-AA-1	Changeable Data
RXA.10.9.2	Universal ID	2.16.840.1.113883.3.72.5.30.1	Changeable Data
RXA.10.9.3	Universal ID Type	ISO	IG Fixed Data
RXA.11	Administered-at Location		
RXA.11.4	Facility		
RXA.11.4.1	Namespace ID	X68	Changeable Data
RXA.11.4.2	Universal ID		
RXA.11.4.3	Universal ID Type		
RXA.15	Substance Lot Number	Z0860BB	Changeable Data
RXA.16	Substance Expiration Date		
RXA.16.1	Time	20121104	Changeable Data
RXA.17	Substance Manufacturer Name		
RXA.17.1	Identifier	CSL	Test Case Fixed Data
RXA.17.2	Text	CSL Behring	Changeable Data
RXA.17.3	Name of Coding System	MVX	IG Fixed Data
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	CP	Test Case Fixed Data
RXA.21	Action Code - RXA	A	Test Case Fixed Data

RXR : Pharmacy Route

Location	Data Element	Data	Categorization
RXR.1	Route		
RXR.1.1	Identifier	IM	Test Case Fixed Data
RXR.1.2	Text	Intramuscular	Changeable Data
RXR.1.3	Name of Coding System	HL70162	IG Fixed Data
RXR.1.4	Alternate Identifier		
RXR.1.5	Alternate Text		
RXR.1.6	Name of Alternate Coding System		
RXR.2	Administration Site		
RXR.2.1	Identifier	LA	Test Case Fixed Data
RXR.2.2	Text	Left Arm	Changeable Data
RXR.2.3	Name of Coding	HL70163	IG Fixed Data
RXR.2.4	Alternate Identifier		
RXR.2.5	Alternate Text		
RXR.2.6	Name of Alternate		

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	64994-7	Test Case Fixed Data
OBX.3.2	Text	Vaccine funding program eligibility category	Changeable 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	V05	Test Case Fixed Data
OBX.5-CE.2	Text	VFC eligible - Federally Qualified Health Center Patient (under-insured)	Changeable Data
OBX.5-CE.3	Name of the Coding System	HL70064	IG 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	20120701	Changeable Data
OBX.17	Observation Method		
OBX.17.1	Identifier	VXC40	Test Case Fixed Data
OBX.17.2	Text	Eligibility captured at the immunization level	Changeable Data
OBX.17.3	Name of the Coding System	CDCPHINVS	IG Fixed Data
OBX.17.4	Alternate Identifier		
OBX.17.5	Alternate Text		
OBX.17.6	Name of Alternate Coding System		

OBX : Observation Results Segment

Location	Data Element	Data	Categorization
OBX.1	Set ID - OBX	2	IG Fixed Data
OBX.2	Value Type	CE	Test Case Fixed Data
OBX.3	Observation Identifier		
OBX.3.1	Identifier	30956-7	Test Case Fixed Data
OBX.3.2	Text	vaccine type	Changeable 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	2	Changeable Data
OBX.5-CE	Observation Value		
OBX.5-CE.1	Identifier	88	Test Case Fixed Data
OBX.5-CE.2	Text	Inactivated Flu	Changeable Data
OBX.5-CE.3	Name of the Coding System	CVX	IG 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		

OBX : Observation Results Segment

Location	Data Element	Data	Categorization
OBX.1	Set ID - OBX	3	IG Fixed Data
OBX.2	Value Type	TS	Test Case Fixed Data
OBX.3	Observation Identifier		
OBX.3.1	Identifier	29768-9	Test Case Fixed Data
OBX.3.2	Text	Date vaccine information statement published	Changeable 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	2	Changeable Data
OBX.5-TS	Date/Time of the Observation		
OBX.5-TS.1	Time	20120702	Changeable Data
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		

OBX : Observation Results Segment

Location	Data Element	Data	Categorization
OBX.1	Set ID - OBX	4	IG Fixed Data
OBX.2	Value Type	TS	Test Case Fixed Data
OBX.3	Observation Identifier		
OBX.3.1	Identifier	29769-7	Test Case Fixed Data
OBX.3.2	Text	Date vaccine information statement presented	Changeable 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	2	Changeable Data
OBX.5-TS	Date/Time of the Observation		
OBX.5-TS.1	Time	20120814	Changeable Data
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		