

SS_1_1_UC_Visit

Syndromic Test Case SS_1_1.1

UC Visit - Registration

Step1

A04 Message

Test Story

Description

His mother brings a male infant to Big City Children's Urgent Care on February 20, 2010 at 8:30 am. The patient is immediately registered by a clerical assistant who records the patient's name, date of birth, residence information, insurance, and records that the patient's reason for visit is, "Fever, cough." The patient is immediately triaged by a nurse. Subsequent information is collected from the parent, who provides race and ethnicity. Once seen and examined by the attending physician at 8:35 AM, the patient is given a working diagnosis of 487.1, and diagnostic tests and a treatment is ordered. Big City Children's Urgent Care routinely sends electronic Syndromic surveillance data to the Big City Health Department in accordance with a city regulation. Big City Health Department asks that only whole years be sent for patient age with no rounding, therefore any patient under 1 year old is age sent as 0. The hospital's electronic health record module for Syndromic surveillance data assembles and transmits two messages related to this encounter. One Registration ADT message is sent at 10 am on February 20, 2010.

Pre Condition

NO PreCondition.

Post Condition

NO PostCondition.

Test Objectives

This test case examines an EHR module's ability to create ADT A04-Registration messages, within the parameters of the PHIN Messaging Guide's conformance requirements. Test Case provides an example of a patient visit within an urgent care setting for which the patient's reason for visit is captured as a free-text chief complaint note in the EHR and must therefore be sent the health department. This test case is an example of maximally populated message which is tested for relevant required, required or empty and conditional elements.

Notes to Testers

NO Note.

Test Data Specification

Patient Information

Element Name	Data
Name	Coded Pseudo-Name to ensure anonymity
Gender	Male
Race	Native Hawaiian or Other Pacific Islander
Ethnic Group	Not Hispanic or Latino
Zip Code	02130
County/Parish Code	25025
Patient Death Date and Time	

Visit Information

Element Name	Data
Admit Date and Time	02/20/2010 8:30 a.m.
Discharge Disposition	
Diagnosis Type	Working
Diagnosis	Influenza with other respiratory manifestations

Observation Results Information

Element Name	Data
Observation Identifier	Facility / Visit Type
Observation Value	Urgent Care
Units	
Observation Results Status	Final results; Can only be changed with a corrected result.

Observation Results Information

Element Name	Data
Observation Identifier	Age Time Patient Reported
Observation Value	0
Units	year
Observation Results Status	Final results; Can only be changed with a corrected result.

Observation Results Information

Element Name	Data
Observation Identifier	Chief complaint:Find:Pt:Patient:Nom:Reported
Observation Value	Fever, cough
Units	
Observation Results Status	Final results; Can only be changed with a corrected result.

Message Content Data Sheet

Test Case Information

UC Visit - Registration	
Test Case ID	SS_1_1.1-A04

MSH : Message Header Segment

Location	Data Element	Data	Categorization
MSH.1	Field Separator		IG Fixed Data
MSH.2	Encoding Characters	^~\&	IG Fixed Data
MSH.4	Sending Facility		
MSH.4.1	Namespace ID	BgCtyChldrnUrgntCar	Configurable Data
MSH.4.2	Universal ID	1231231234	Configurable Data
MSH.4.3	Universal ID Type	NPI	Configurable Data
MSH.7	Date/Time Of Message		
MSH.7.1	Time	201002201000	Changeable Data
MSH.9	Message Type		
MSH.9.1	Message Code	ADT	IG Fixed Data
MSH.9.2	Event Type	A04	IG Fixed Data
MSH.9.3	Message Structure	ADT_A01	IG Fixed Data
MSH.10	Message Control ID	NIST-SS-TC-XXX.XX	Changeable Data
MSH.11	Processing ID		
MSH.11.1	Processing ID	P	Changeable Data
MSH.12	VersionID		
MSH.12.1	Version ID	2.5.1	IG Fixed Data
MSH.21	Message Profile Identifier		
MSH.21.1	Entity Identifier	PH_SS-NoAck	IG Fixed Data
MSH.21.2	Namespace ID	SS Sender	IG Fixed Data
MSH.21.3	Universal ID	2.16.840.1.114222.4.10.3	IG Fixed Data
MSH.21.4	Universal ID Type	ISO	IG Fixed Data

EVN : Event Type Segment

Location	Data Element	Data	Categorization
EVN.2	Recorded Date/Time		
EVN.2.1	Time	201002201000	Changeable Data
EVN.7	Event Facility		
EVN.7.1	Namespace ID	BgCtyChldrnUrgntCar	Configurable Data
EVN.7.2	Universal ID	1231231234	Configurable Data
EVN.7.3	Universal ID Type	NPI	Configurable Data

PID : Patient Identification Segment

Location	Data Element	Data	Categorization
PID.1	Set ID - PID	1	IG Fixed Data
PID.3	Patient Identifier List		
PID.3.1	ID Number	11111	Changeable Data
PID.3.5	Identifier Type Code	MR	Changeable Data
PID.5[1]	Patient Name		
PID.5[1].7	Name Type Code		
PID.5[2]	Patient Name		
PID.5[2].7	Name Type Code	S	Changeable Data
PID.8	Administrative Sex	M	Test Case Fixed Data
PID.10	Race		
PID.10.1	Identifier	2076-8	Changeable Data
PID.10.3	Name of Coding System	CDCREC	Changeable Data
PID.11	Patient Address		
PID.11.5	Zip or Postal Code	02130	Test Case Fixed Data
PID.11.9	County/Parish Code	25025	Changeable Data
PID.22	Ethnic Group		
PID.22.1	Identifier	2186-5	Changeable Data
PID.22.3	Name of Coding System	CDCREC	Changeable Data
PID.29	Patient Death Date and Time		
PID.29.1	Time		
PID.30	Patient Death Indicator		

PV1 : Patient Visit information

Location	Data Element	Data	Categorization
PV1.1	Set ID - PV1	1	IG Fixed Data
PV1.19	Visit Number		
PV1.19.1	ID Number	1111_001	Changeable Data
PV1.19.5	Identifier Type Code	VN	IG Fixed Data
PV1.36	Discharge Disposition		
PV1.44	Admit Date/Time		
PV1.44.1	Time	201002200830	Changeable Data

OBX : Observation/Result Segment

Location	Data Element	Data	Categorization
OBX.1	Set ID	1	IG Fixed Data
OBX.2	Value Type	CWE	Test Case Fixed Data
OBX.3	Observation Identifier		
OBX.3.1	Identifier	SS003	Test Case Fixed Data
OBX.3.3	Name of Coding System	PHINQUESTION	Test Case Fixed Data
OBX.5-CWE	Observation Value		
OBX.5-CWE.1	Identifier	251V00000X	Test Case Fixed Data
OBX.5-CWE.2	Text	Urgent Care	Changeable Data
OBX.5-CWE.3	Name of Coding System	NUCC	Test Case Fixed Data
OBX.5-CWE.4	Alternate Identifier		
OBX.5-CWE.5	Alternate Text		
OBX.5-CWE.6	Name of Alternate Coding System		
OBX.5-CWE.9	Original Text		
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.3	Name of Coding System		
OBX.11	Observation Result Status	F	Test Case Fixed Data

OBX : Observation/Result Segment

Location	Data Element	Data	Categorization
OBX.1	Set ID	2	IG Fixed Data
OBX.2	Value Type	NM	Test Case Fixed Data
OBX.3	Observation Identifier		
OBX.3.1	Identifier	21612-7	Test Case Fixed Data
OBX.3.3	Name of Coding System	LN	Test Case Fixed Data
OBX.5	Observation Value	0	Test Case Fixed Data
OBX.6	Units		
OBX.6.1	Identifier	a	Test Case Fixed Data
OBX.6.3	Name of Coding System	UCUM	Test Case Fixed Data
OBX.11	Observation Result Status	F	Test Case Fixed Data

OBX : Observation/Result Segment

Location	Data Element	Data	Categorization
OBX.1	Set ID	3	IG Fixed Data
OBX.2	Value Type	CWE	Test Case Fixed Data
OBX.3	Observation Identifier		
OBX.3.1	Identifier	8661-1	Test Case Fixed Data
OBX.3.3	Name of Coding System	LN	Test Case Fixed Data
OBX.5-CWE	Observation Value		
OBX.5-CWE.1	Identifier		
OBX.5-CWE.2	Text	Fever, cough	Changeable Data
OBX.5-CWE.3	Name of Coding System		
OBX.5-CWE.4	Alternate Identifier		
OBX.5-CWE.5	Alternate Text		
OBX.5-CWE.6	Name of Alternate Coding System		
OBX.5-CWE.9	Original Text		
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.3	Name of Coding System		
OBX.11	Observation Result Status	F	Test Case Fixed Data

DG1 : Diagnosis Segment

Location	Data Element	Data	Categorization
DG1.1	Set ID - DG1	1	IG Fixed Data
DG1.3	Diagnosis Code - DG1		
DG1.3.1	Identifier	4871	Test Case Fixed Data
DG1.3.2	Text	Influenza with other respiratory manifestations	Changeable Data
DG1.3.3	Name of Coding System	I9CDX	IG Fixed Data
DG1.6	Diagnosis Type	W	Test Case Fixed Data

HL7 Message

MSH|^~\&|BgCtyChldrnUrgntCar^1231231234^NPI||201002201000||ADT^A04^ADT_A01|NIST-SS-001.11|P|2.5.1|||||PH_SS-NoAck^SS
Sender^2.16.840.1.114222.4.10.3^ISO

EVN||201002201000||||BgCtyChldrnUrgntCar^1231231234^NPI

PID|1||11111^MR|^~^~^~^~^~^~^~^~^S||M||2076-8^CDCREC|^~^~^02130^~^~^25025|||||2186-5^CDCREC

PV1|1|||||1111_001^~^~^VN|||||201002200830

OBX|1|CWE|SS003^PHINQUESTION||251V0000X^Urgent Care^NUCC|||||F

OBX|2|NM|21612-7^LN||0|a^UCUM|||||F

OBX|3|CWE|8661-1^LN|^Fever, cough|||||F

DG1|1||4871^Influenza with other respiratory manifestations^I9CDX|||W

Note: the message contains newlines within the segment and between segments for display purposes. When copying for use in applications the newlines will need to be removed.

Syndromic Test Case SS_1_2.1

UC Visit - Discharge

Step2

A03 Message

Test Story

Description

By 2 pm the patient's vital signs have returned to normal and lab and radiology tests indicate that the child is has influenza and pneumonia. The patient is discharged home at 5 pm with a final primary diagnosis of pneumonia, and secondary diagnosis of influenza. Big City Children's Urgent Care routinely sends electronic Syndromic surveillance data to the Big City Health Department in accordance with a city regulation. Big City Health Department asks that only whole years be sent for patient age with no rounding, therefore any patient under 1 year old is age sent as 0. The hospital's electronic health record module for Syndromic surveillance data assembles and transmits two messages related to this encounter. One Discharge ADT message is sent at 6 pm on February 20, 2010.

Pre Condition

A04-Registration message should be sent before A03-Discharge message

Post Condition

NO PostCondition.

Test Objectives

This test case examines an EHR module's ability to create ADT A03-Discharge messages, within the parameters of the PHIN Messaging Guide's conformance requirements. Test Case provides an example of a patient visit within an urgent care setting for which the patient's reason for visit is captured as a free-text chief complaint note in the EHR and must therefore be sent the health department. This test case is an example of maximally populated message which is tested for relevant required, required or empty and conditional elements.

Notes to Testers

NO Note.

Test Data Specification

Patient Information

Element Name	Data
Name	Coded Pseudo-Name to ensure anonymity
Gender	Male
Race	Native Hawaiian or Other Pacific Islander
Ethnic Group	Not Hispanic or Latino
Zip Code	02130
County/Parish Code	25025
Patient Death Date and Time	

Visit Information

Element Name	Data
Admit Date and Time	02/20/2010 8:30 a.m.
Discharge Disposition	Discharged to home or self care (routine discharge)
Diagnosis Type	Final
Diagnosis	Influenza
Diagnosis Type	Final
Diagnosis	Pneumococcal pneumonia [Streptococcus pneumoniae pneumonia]

Observation Results Information

Element Name	Data
Observation Identifier	Facility / Visit Type
Observation Value	Urgent Care
Units	
Observation Results Status	Final results; Can only be changed with a corrected result.

Observation Results Information

Element Name	Data
Observation Identifier	Age Time Patient Reported
Observation Value	0
Units	year
Observation Results Status	Final results; Can only be changed with a corrected result.

Observation Results Information

Element Name	Data
Observation Identifier	Chief complaint:Find:Pt:Patient:Nom:Reported
Observation Value	Fever, cough
Units	
Observation Results Status	Final results; Can only be changed with a corrected result.

Message Content Data Sheet

Test Case Information

UC Visit - Discharge	
Test Case ID	SS_1_2.1-A03

MSH : Message Header Segment

Location	Data Element	Data	Categorization
MSH.1	Field Separator		IG Fixed Data
MSH.2	Encoding Characters	^~\&	IG Fixed Data
MSH.4	Sending Facility		
MSH.4.1	Namespace ID	BgCtyChldrnUrgntCar	Configurable Data
MSH.4.2	Universal ID	1231231234	Configurable Data
MSH.4.3	Universal ID Type	NPI	Configurable Data
MSH.7	Date/Time Of Message		
MSH.7.1	Time	201002201800	Changeable Data
MSH.9	Message Type		
MSH.9.1	Message Code	ADT	IG Fixed Data
MSH.9.2	Event Type	A03	IG Fixed Data
MSH.9.3	Message Structure	ADT_A03	IG Fixed Data
MSH.10	Message Control ID	NIST-SS-TC-XXX.XX	Changeable Data
MSH.11	Processing ID		
MSH.11.1	Processing ID	P	Changeable Data
MSH.12	VersionID		
MSH.12.1	Version ID	2.5.1	IG Fixed Data
MSH.21	Message Profile Identifier		
MSH.21.1	Entity Identifier	PH_SS-NoAck	IG Fixed Data
MSH.21.2	Namespace ID	SS Sender	IG Fixed Data
MSH.21.3	Universal ID	2.16.840.1.114222.4.10.3	IG Fixed Data
MSH.21.4	Universal ID Type	ISO	IG Fixed Data

EVN : Event Type Segment

Location	Data Element	Data	Categorization
EVN.2	Recorded Date/Time		
EVN.2.1	Time	201002201800	Changeable Data
EVN.7	Event Facility		
EVN.7.1	Namespace ID	BgCtyChldrnUrgntCar	Configurable Data
EVN.7.2	Universal ID	1231231234	Configurable Data
EVN.7.3	Universal ID Type	NPI	Configurable Data

PID : Patient Identification Segment

Location	Data Element	Data	Categorization
PID.1	Set ID - PID	1	IG Fixed Data
PID.3	Patient Identifier List		
PID.3.1	ID Number	11111	Changeable Data
PID.3.5	Identifier Type Code	MR	Changeable Data
PID.5[1]	Patient Name		
PID.5[1].7	Name Type Code		
PID.5[2]	Patient Name		
PID.5[2].7	Name Type Code	S	Changeable Data
PID.8	Administrative Sex	M	Test Case Fixed Data
PID.10	Race		
PID.10.1	Identifier	2076-8	Changeable Data
PID.10.3	Name of Coding System	CDCREC	Changeable Data
PID.11	Patient Address		
PID.11.5	Zip or Postal Code	02130	Test Case Fixed Data
PID.11.9	County/Parish Code	25025	Changeable Data
PID.22	Ethnic Group		
PID.22.1	Identifier	2186-5	Changeable Data
PID.22.3	Name of Coding System	CDCREC	Changeable Data
PID.29	Patient Death Date and Time		
PID.29.1	Time		
PID.30	Patient Death Indicator		

PV1 : Patient Visit information

Location	Data Element	Data	Categorization
PV1.1	Set ID - PV1	1	IG Fixed Data
PV1.19	Visit Number		
PV1.19.1	ID Number	1111_001	Changeable Data
PV1.19.5	Identifier Type Code	VN	IG Fixed Data
PV1.36	Discharge Disposition	01	Test Case Fixed Data
PV1.44	Admit Date/Time		
PV1.44.1	Time	201002200830	Changeable Data

DG1 : Diagnosis Segment

Location	Data Element	Data	Categorization
DG1.1	Set ID - DG1	1	IG Fixed Data
DG1.3	Diagnosis Code - DG1		
DG1.3.1	Identifier	487	Test Case Fixed Data
DG1.3.2	Text	Influenza	Changeable Data
DG1.3.3	Name of Coding System	I9CDX	IG Fixed Data
DG1.6	Diagnosis Type	F	Test Case Fixed Data

DG1 : Diagnosis Segment

Location	Data Element	Data	Categorization
DG1.1	Set ID - DG1	2	IG Fixed Data
DG1.3	Diagnosis Code - DG1		
DG1.3.1	Identifier	481	Test Case Fixed Data
DG1.3.2	Text	Pneumococcal pneumonia [Streptococcus pneumoniae pneumonia]	Changeable Data
DG1.3.3	Name of Coding System	I9CDX	IG Fixed Data
DG1.6	Diagnosis Type	F	Test Case Fixed Data

OBX : Observation/Result Segment

Location	Data Element	Data	Categorization
OBX.1	Set ID	1	IG Fixed Data
OBX.2	Value Type	CWE	Test Case Fixed Data
OBX.3	Observation Identifier		
OBX.3.1	Identifier	SS003	Test Case Fixed Data
OBX.3.3	Name of Coding System	PHINQUESTION	Test Case Fixed Data
OBX.5-CWE	Observation Value		
OBX.5-CWE.1	Identifier	251V00000X	Test Case Fixed Data
OBX.5-CWE.2	Text	Urgent Care	Changeable Data
OBX.5-CWE.3	Name of Coding System	NUCC	Test Case Fixed Data
OBX.5-CWE.4	Alternate Identifier		
OBX.5-CWE.5	Alternate Text		
OBX.5-CWE.6	Name of Alternate Coding System		
OBX.5-CWE.9	Original Text		
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.3	Name of Coding System		
OBX.11	Observation Result Status	F	Test Case Fixed Data

OBX : Observation/Result Segment

Location	Data Element	Data	Categorization
OBX.1	Set ID	2	IG Fixed Data
OBX.2	Value Type	NM	Test Case Fixed Data
OBX.3	Observation Identifier		
OBX.3.1	Identifier	21612-7	Test Case Fixed Data
OBX.3.3	Name of Coding System	LN	Test Case Fixed Data
OBX.5	Observation Value	0	Test Case Fixed Data
OBX.6	Units		
OBX.6.1	Identifier	a	Test Case Fixed Data
OBX.6.3	Name of Coding System	UCUM	Test Case Fixed Data
OBX.11	Observation Result Status	F	Test Case Fixed Data

OBX : Observation/Result Segment

Location	Data Element	Data	Categorization
OBX.1	Set ID	3	IG Fixed Data
OBX.2	Value Type	CWE	Test Case Fixed Data
OBX.3	Observation Identifier		
OBX.3.1	Identifier	8661-1	Test Case Fixed Data
OBX.3.3	Name of Coding System	LN	Test Case Fixed Data
OBX.5-CWE	Observation Value		
OBX.5-CWE.1	Identifier		
OBX.5-CWE.2	Text	Fever, cough	Changeable Data
OBX.5-CWE.3	Name of Coding System		
OBX.5-CWE.4	Alternate Identifier		
OBX.5-CWE.5	Alternate Text		
OBX.5-CWE.6	Name of Alternate Coding System		
OBX.5-CWE.9	Original Text		
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.3	Name of Coding System		
OBX.11	Observation Result Status	F	Test Case Fixed Data

HL7 Message

MSH|^~\&|BgCtyChldrnUrgntCar^1231231234^NPI||201002201800||ADT^A03^ADT_A03|NIST-SS-001.21|P|2.5.1|||||PH_SS-NoAck^SS
Sender^2.16.840.1.114222.4.10.3^ISO

EVN||201002201800||||BgCtyChldrnUrgntCar^1231231234^NPI

PID|1|11111^MR||^~^~^~^~^~^S||M||2076-8^CDCREC|^02130^25025|||||2186-5^CDCREC

PV1|1|||||1111_001^VN|||||01|||||201002200830

DG1|1||487^Influenza^I9CDX|||F

DG1|2||481^Pneumococcal pneumonia [Streptococcus pneumoniae pneumonia]^I9CDX|||F

OBX|1|CWE|SS003^PHINQUESTION||251V0000X^Urgent Care^NUCC|||||F

OBX|2|NM|21612-7^LN||0|a^UCUM|||||F

OBX|3|CWE|8661-1^LN|^Fever, cough|||||F

Note: the message contains newlines within the segment and between segments for display purposes. When copying for use in applications the newlines will need to be removed.