

SS_3_3_ED_Visit_Admit

Syndromic Test Case SS_3_1.3

ED Visit_Admit - Registration

Step1

A04 Message

Test Story

Description

At 3:30 pm on December 27, 2010 a 10 year-old boy is brought to the emergency department at Southwest Corner Hospital by his parents. The boy is complaining of fever, cough and difficulty breathing. The patient's reason for visit is noted and recorded as ICD-9-CM code 786.05, shortness of breath. Southwest Corner Hospital reports Syndromic surveillance data to the state health department. The hospital's electronic health record module for Syndromic surveillance data assembles and transmits four messages related to this encounter. One Registration ADT message is sent at 4:00 pm on 12/27/2010.

Pre Condition

NO PreCondition.

Post Condition

NO PostCondition.

Test Objectives

This test case examines an EHR module's ability to create ADT A04-Registration message, within the parameters of the PHIN Messaging Guide's conformance requirements. This Test Case provides an example of an ED visit for which the patient's reason for visit is captured as both free-text chief complaint and coded ICD-9 values.

Notes to Testers

NO Note.

Test Data Specification

Patient Information

Element Name	Data
Name	Coded Pseudo-Name to ensure anonymity
Gender	Male
Race	White
Ethnic Group	Hispanic or Latino
Zip Code	85001
County/Parish Code	04013
Patient Death Date and Time	

Visit Information

Element Name	Data
Admit Date and Time	12/27/2010 15:30 p.m.
Discharge Disposition	
Diagnosis Type	Working
Diagnosis	Pneumonia, organism unspecified

Observation Results Information

Element Name	Data
Observation Identifier	Facility / Visit Type
Observation Value	Emergency 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	10
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 and difficulty breathing
Units	
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	shortness of breath
Units	
Observation Results Status	Final results; Can only be changed with a corrected result.

Message Content Data Sheet

Test Case Information

ED Visit_Admit - Registration	
Test Case ID	SS_3_1.3-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	SwCrnrHsp	Configurable Data
MSH.4.2	Universal ID	7549321000	Configurable Data
MSH.4.3	Universal ID Type	NPI	Configurable Data
MSH.7	Date/Time Of Message		
MSH.7.1	Time	201012271600	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	201012271600	Changeable Data
EVN.7	Event Facility		
EVN.7.1	Namespace ID	SwCrnrHsp	Configurable Data
EVN.7.2	Universal ID	7549321000	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	33333	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	2106-3	Changeable Data
PID.10.3	Name of Coding System	CDCREC	Changeable Data
PID.11	Patient Address		
PID.11.5	Zip or Postal Code	85001	Test Case Fixed Data
PID.11.9	County/Parish Code	04013	Changeable Data
PID.22	Ethnic Group		
PID.22.1	Identifier	2135-2	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	33333_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	201012271530	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	170300000X	Test Case Fixed Data
OBX.5-CWE.2	Text	Emergency 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	10	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 and difficulty breathing	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

OBX : Observation/Result Segment

Location	Data Element	Data	Categorization
OBX.1	Set ID	4	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	78605	Test Case Fixed Data
OBX.5-CWE.2	Text	shortness of breath	Changeable Data
OBX.5-CWE.3	Name of Coding System	I9CDX	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

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	486	Test Case Fixed Data
DG1.3.2	Text	Pneumonia, organism unspecified	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|^~\&||SwCmrHsp^7549321000^NPI||201012271600||ADT^A04^ADT_A01|NIST-SS-003.13|P|2.5.1|||||PH_SS-NoAck^SS
Sender^2.16.840.1.114222.4.10.3^ISO

EVN||201012271600||||SwCmrHsp^7549321000^NPI

PID|1||33333^^^^MR||^~~~~~^~~~~^S||M||2106-3^^CDCREC|^85001^^^04013|||||||2135-2^^CDCREC

PV1|1|||||||||33333_001^^^VN|||||||||201012271530

OBX|1|CWE|SS003^^PHINQUESTION||170300000X^Emergency Care^NUCC|||||F

OBX|2|NM|21612-7^^LN||10|a^^UCUM|||||F

OBX|3|CWE|8661-1^^LN||^fever, cough and difficulty breathing|||||F

OBX|4|CWE|8661-1^^LN||78605^shortness of breath^I9CDX|||||F

DG1|1||486^Pneumonia, organism unspecified^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_3_2.3

ED Visit_Admit - Update

Step2

A08 Message

Test Story

Description

The patient undergoes some testing and the attending physician determines that the patient is suffering from a severe case of unspecified pneumonia. The clinical record is updated at 6:00 pm to reflect this new diagnosis. Southwest Corner Hospital reports Syndromic surveillance data to the state health department. The hospital's electronic health record module for Syndromic surveillance data assembles and transmits four messages related to this encounter. One Update message is sent at 6:00 pm on 12/27/2010.

Pre Condition

A04-Registration message should be sent before A08-Update message

Post Condition

NO PostCondition.

Test Objectives

This test case examines an EHR module's ability to create ADT A08-Update message, within the parameters of the PHIN Messaging Guide's conformance requirements. This Test Case provides an example of an ED visit for which the patient's reason for visit is captured as both free-text chief complaint and coded ICD-9 values.

Notes to Testers

NO Note.

Test Data Specification

Patient Information

Element Name	Data
Name	Coded Pseudo-Name to ensure anonymity
Gender	Male
Race	White
Ethnic Group	Hispanic or Latino
Zip Code	85001
County/Parish Code	04013
Patient Death Date and Time	

Visit Information

Element Name	Data
Admit Date and Time	12/27/2010 15:30 p.m.
Discharge Disposition	
Diagnosis Type	Final
Diagnosis	Pneumonia, organism unspecified

Observation Results Information

Element Name	Data
Observation Identifier	Facility / Visit Type
Observation Value	Emergency 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	10
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 and difficulty breathing
Units	
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	shortness of breath
Units	
Observation Results Status	Final results; Can only be changed with a corrected result.

Message Content Data Sheet

Test Case Information

ED Visit_Admit - Update	
Test Case ID	SS_3_2.3-A08

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	SwCrnrHsp	Configurable Data
MSH.4.2	Universal ID	7549321000	Configurable Data
MSH.4.3	Universal ID Type	NPI	Configurable Data
MSH.7	Date/Time Of Message		
MSH.7.1	Time	201012271800	Changeable Data
MSH.9	Message Type		
MSH.9.1	Message Code	ADT	IG Fixed Data
MSH.9.2	Event Type	A08	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	201012271800	Changeable Data
EVN.7	Event Facility		
EVN.7.1	Namespace ID	SwCrnrHsp	Configurable Data
EVN.7.2	Universal ID	7549321000	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	33333	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	2106-3	Changeable Data
PID.10.3	Name of Coding System	CDCREC	Changeable Data
PID.11	Patient Address		
PID.11.5	Zip or Postal Code	85001	Test Case Fixed Data
PID.11.9	County/Parish Code	04013	Changeable Data
PID.22	Ethnic Group		
PID.22.1	Identifier	2135-2	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	33333_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	201012271530	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	170300000X	Test Case Fixed Data
OBX.5-CWE.2	Text	Emergency 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	10	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 and difficulty breathing	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

OBX : Observation/Result Segment

Location	Data Element	Data	Categorization
OBX.1	Set ID	4	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	78605	Test Case Fixed Data
OBX.5-CWE.2	Text	shortness of breath	Changeable Data
OBX.5-CWE.3	Name of Coding System	I9CDX	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

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	486	Test Case Fixed Data
DG1.3.2	Text	Pneumonia, organism unspecified	Changeable Data
DG1.3.3	Name of Coding System	I9CDX	IG Fixed Data
DG1.6	Diagnosis Type	F	Test Case Fixed Data

HL7 Message

MSH|^~\&||SwCmrHsp^7549321000^NPI||201012271800||ADT^A08^ADT_A01|NIST-SS-003.23|P|2.5.1|||||PH_SS-NoAck^SS
Sender^2.16.840.1.114222.4.10.3^ISO

EVN||201012271800||||SwCmrHsp^7549321000^NPI

PID|1||33333^^^^MR||^~~~~~^~~~~^S||M||2106-3^^CDCREC|^85001^^^04013|||||||2135-2^^CDCREC

PV1|1|||||||||33333_001^^^VN|||||||||201012271530

OBX|1|CWE|SS003^^PHINQUESTION||170300000X^Emergency Care^NUCC|||||F

OBX|2|NM|21612-7^^LN||10|a^^UCUM|||||F

OBX|3|CWE|8661-1^^LN||^fever, cough and difficulty breathing|||||F

OBX|4|CWE|8661-1^^LN||78605^shortness of breath^I9CDX|||||F

DG1|1||486^Pneumonia, organism unspecified^I9CDX|||||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.

Syndromic Test Case SS_3_3.3

ED Visit_Admit - Discharge

Step3

A03 Message

Test Story

Description

The patient undergoes some testing and the attending physician determines that the patient is suffering from a severe case of unspecified pneumonia. The physician decides at this time that the patient should be admitted to the hospital inpatient unit for overnight observation and treatment. Southwest Corner Hospital reports Syndromic surveillance data to the state health department. The hospital's electronic health record module for Syndromic surveillance data assembles and transmits message related to this encounter. One Discharge message is sent at 7:00 pm on 12/27/2010.

Pre Condition

A08-Update 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 message, within the parameters of the PHIN Messaging Guide's conformance requirements. This Test Case provides an example of an ED visit for which the patient's reason for visit is captured as both free-text chief complaint and coded ICD-9 values.

Notes to Testers

NO Note.

Test Data Specification

Patient Information

Element Name	Data
Name	Coded Pseudo-Name to ensure anonymity
Gender	Male
Race	White
Ethnic Group	Hispanic or Latino
Zip Code	85001
County/Parish Code	04013
Patient Death Date and Time	

Visit Information

Element Name	Data
Admit Date and Time	12/27/2010 15:30 p.m.
Discharge Disposition	Admitted as an inpatient to this hospital
Diagnosis Type	Final
Diagnosis	Pneumonia, organism unspecified

Observation Results Information

Element Name	Data
Observation Identifier	Facility / Visit Type
Observation Value	Emergency 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	10
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 and difficulty breathing
Units	
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	shortness of breath
Units	
Observation Results Status	Final results; Can only be changed with a corrected result.

Message Content Data Sheet

Test Case Information

ED Visit_Admit - Discharge	
Test Case ID	SS_3_3.3-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	SwCrnrHsp	Configurable Data
MSH.4.2	Universal ID	7549321000	Configurable Data
MSH.4.3	Universal ID Type	NPI	Configurable Data
MSH.7	Date/Time Of Message		
MSH.7.1	Time	201012271900	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	201012271900	Changeable Data
EVN.7	Event Facility		
EVN.7.1	Namespace ID	SwCrnrHsp	Configurable Data
EVN.7.2	Universal ID	7549321000	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	33333	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	2106-3	Changeable Data
PID.10.3	Name of Coding System	CDCREC	Changeable Data
PID.11	Patient Address		
PID.11.5	Zip or Postal Code	85001	Test Case Fixed Data
PID.11.9	County/Parish Code	04013	Changeable Data
PID.22	Ethnic Group		
PID.22.1	Identifier	2135-2	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	33333_001	Changeable Data
PV1.19.5	Identifier Type Code	VN	IG Fixed Data
PV1.36	Discharge Disposition	09	Test Case Fixed Data
PV1.44	Admit Date/Time		
PV1.44.1	Time	201012271530	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	486	Test Case Fixed Data
DG1.3.2	Text	Pneumonia, organism unspecified	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	170300000X	Test Case Fixed Data
OBX.5-CWE.2	Text	Emergency 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	10	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 and difficulty breathing	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

OBX : Observation/Result Segment

Location	Data Element	Data	Categorization
OBX.1	Set ID	4	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	78605	Test Case Fixed Data
OBX.5-CWE.2	Text	shortness of breath	Changeable Data
OBX.5-CWE.3	Name of Coding System	I9CDX	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

HL7 Message

MSH|^~\&||SwCmrHsp^7549321000^NPI||201012271900||ADT^A03^ADT_A03|NIST-SS-003.33|P|2.5.1|||||PH_SS-NoAck^SS
Sender^2.16.840.1.114222.4.10.3^ISO

EVN||201012271900||||SwCmrHsp^7549321000^NPI

PID|1||33333^^^^MR||^~~~~~^~~~~^S||M||2106-3^^CDCREC|^85001^^^^04013|||||||2135-2^^CDCREC

PV1|1|||||||33333_001^^^VN|||||||09|||||||201012271530

DG1|1||486^Pneumonia, organism unspecified^I9CDX|||F

OBX|1|CWE|SS003^^PHINQUESTION||170300000X^Emergency Care^NUCC|||||F

OBX|2|NM|21612-7^^LN||10|a^^UCUM|||||F

OBX|3|CWE|8661-1^^LN||^fever, cough and difficulty breathing|||||F

OBX|4|CWE|8661-1^^LN||78605^shortness of breath^I9CDX|||||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.

Syndromic Test Case SS_3_4.3

ED Visit_Admit - Admission

Step4

A01 Message

Test Story

Description

At 7:00 pm the patient is discharged from the ED and admitted to the hospital for further observation. Southwest Corner Hospital reports Syndromic surveillance data to the state health department. The hospital's electronic health record module for Syndromic surveillance data assembles and transmits message related to this encounter. One admission ADT message is sent at 7:00 pm on 12/27/2010.

Pre Condition

A03-Discharge message should be sent before A01-Admit message.

Post Condition

NO PostCondition.

Test Objectives

This test case examines an EHR module's ability to create ADT A01-Admit message, within the parameters of the PHIN Messaging Guide's conformance requirements. This Test Case provides an example of an ED visit for which the patient's reason for visit is captured as both free-text chief complaint and coded ICD-9 values and the patient is admitted into the hospital for treatment.

Notes to Testers

NO Note.

Test Data Specification

Patient Information

Element Name	Data
Name	Coded Pseudo-Name to ensure anonymity
Gender	Male
Race	White
Ethnic Group	Hispanic or Latino
Zip Code	85001
County/Parish Code	04013
Patient Death Date and Time	

Visit Information

Element Name	Data
Admit Date and Time	12/27/2010 15:30 p.m.
Discharge Disposition	
Admit Reason	Pneumonia, organism unspecified
Diagnosis Type	Final
Diagnosis	Pneumonia, organism unspecified

Observation Results Information

Element Name	Data
Observation Identifier	Facility / Visit Type
Observation Value	Emergency 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	10
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 and difficulty breathing
Units	
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	shortness of breath
Units	
Observation Results Status	Final results; Can only be changed with a corrected result.

Message Content Data Sheet

Test Case Information

ED Visit_Admit - Admission	
Test Case ID	SS_3_4.3-A01

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	SwCrnrHsp	Configurable Data
MSH.4.2	Universal ID	7549321000	Configurable Data
MSH.4.3	Universal ID Type	NPI	Configurable Data
MSH.7	Date/Time Of Message		
MSH.7.1	Time	201012271900	Changeable Data
MSH.9	Message Type		
MSH.9.1	Message Code	ADT	IG Fixed Data
MSH.9.2	Event Type	A01	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	201012271900	Changeable Data
EVN.7	Event Facility		
EVN.7.1	Namespace ID	SwCrnrHsp	Configurable Data
EVN.7.2	Universal ID	7549321000	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	33333	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	2106-3	Changeable Data
PID.10.3	Name of Coding System	CDCREC	Changeable Data
PID.11	Patient Address		
PID.11.5	Zip or Postal Code	85001	Test Case Fixed Data
PID.11.9	County/Parish Code	04013	Changeable Data
PID.22	Ethnic Group		
PID.22.1	Identifier	2135-2	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	33333_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	201012271530	Changeable Data

PV2 : Patient Visit - Additional Information Segment

Location	Data Element	Data	Categorization
PV2.3	Admit Reason		
PV2.3.1	Identifier	486	Test Case Fixed Data
PV2.3.2	Text	Pneumonia, organism unspecified	Changeable Data
PV2.3.3	Name of Coding System	I9CDX	IG 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	170300000X	Test Case Fixed Data
OBX.5-CWE.2	Text	Emergency 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	10	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 and difficulty breathing	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

OBX : Observation/Result Segment

Location	Data Element	Data	Categorization
OBX.1	Set ID	4	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	78605	Test Case Fixed Data
OBX.5-CWE.2	Text	shortness of breath	Changeable Data
OBX.5-CWE.3	Name of Coding System	I9CDX	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

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	486	Test Case Fixed Data
DG1.3.2	Text	Pneumonia, organism unspecified	Changeable Data
DG1.3.3	Name of Coding System	I9CDX	IG Fixed Data
DG1.6	Diagnosis Type	F	Test Case Fixed Data

HL7 Message

MSH|^~\&||SwCmrHsp^7549321000^NPI||201012271900||ADT^A01^ADT_A01|NIST-SS-003.43|P|2.5.1|||||PH_SS-NoAck^SS
Sender^2.16.840.1.114222.4.10.3^ISO

EVN||201012271900||||SwCmrHsp^7549321000^NPI

PID|1||33333^^^^MR||^~^S||M||2106-3^^CDCREC|^85001^^^04013|||||2135-2^^CDCREC

PV1|1|||||33333_001^^^VN|||||201012271530

PV2||486^Pneumonia, organism unspecified^I9CDX

OBX|1|CWE|SS003^^PHINQUESTION||170300000X^Emergency Care^NUCC||||F

OBX|2|NM|21612-7^^LN||10|a^^UCUM||||F

OBX|3|CWE|8661-1^^LN||^fever, cough and difficulty breathing||||F

OBX|4|CWE|8661-1^^LN||78605^shortness of breath^I9CDX||||F

DG1|1||486^Pneumonia, organism unspecified^I9CDX||||F

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