

SS_3_1_ED_Visit_Admit

Syndromic Test Case SS_3_1.1

ED Visit_Admit - Registration

Step1

A04 Message

Test Story

Description

A disoriented 70 year-old male is brought by a neighbor to Southern Midwest Medical Center's the Emergency Department at 7:30 am on February 1, 2010. The patient is complaining of a headache, nausea and dizziness. The patient's neighbor explains that he was concerned about the patient since the blizzard took down the building's electric heating system following a neighborhood-wide power outage last night. At 7:00 am, the neighbor entered the patient's apartment and found him nearly unconscious in the kitchen next to a fully lit gas oven and stove. The neighbor helps complete the patient registration process. Patient's chief complaint is captured as, 'headache, nausea and dizziness' and also coded as Carbon monoxide poisoning. Southern Midwest Medical Center reports Syndromic surveillance data to the state health department. The hospitals electronic health record module for Syndromic surveillance data assembles and transmits four messages related to this encounter. One Registration ADT message is sent at 8:05 AM on February 1, 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	Not Hispanic or Latino
Zip Code	74852
County/Parish Code	40125
Patient Death Date and Time	

Visit Information

Element Name	Data
Admit Date and Time	02/01/2010 8:00 a.m.
Discharge Disposition	
Diagnosis Type	Working
Diagnosis	Toxic effect of carbon monoxide

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	70
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	headache, nausea and an inability to walk
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	Toxic effect of carbon monoxide
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_1.1-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	SthrnMdwstMedCntr	Configurable Data
MSH.4.2	Universal ID	1231231236	Configurable Data
MSH.4.3	Universal ID Type	NPI	Configurable Data
MSH.7	Date/Time Of Message		
MSH.7.1	Time	201002010805	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	201002010805	Changeable Data
EVN.7	Event Facility		
EVN.7.1	Namespace ID	SthrnMdwstMedCntr	Configurable Data
EVN.7.2	Universal ID	1231231236	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	3333	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	74852	Test Case Fixed Data
PID.11.9	County/Parish Code	40125	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	3333_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	201002010800	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	70	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	headache, nausea and an inability to walk	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	986	Test Case Fixed Data
OBX.5-CWE.2	Text	Toxic effect of carbon monoxide	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	986	Test Case Fixed Data
DG1.3.2	Text	Toxic effect of carbon monoxide	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|^~\&||SthrnMdwstMedCntr^1231231236^NPI||201002010805||ADT^A04^ADT_A01|NIST-SS-003.11|P|2.5.1|||||PH_SS-NoAck^SS
Sender^2.16.840.1.114222.4.10.3^ISO

EVN||201002010805||||SthrnMdwstMedCntr^1231231236^NPI

PID|1||3333^MR||^~^S||M||2106-3^CDCREC|^74852^40125|||||2186-5^CDCREC

PV1|1|||||3333_001^VN|||||201002010800

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

OBX|2|NM|21612-7^LN||70|a^UCUM||||F

OBX|3|CWE|8661-1^LN|^headache, nausea and an inability to walk||||F

OBX|4|CWE|8661-1^LN||986^Toxic effect of carbon monoxide^I9CDX||||F

DG1|1||986^Toxic effect of carbon monoxide^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_2.1

ED Visit_Admit - Update

Step2

A08 Message

Test Story

Description

The attending physician determines that the patient should be admitted for overnight observation and a full neurological assessment. At 8:15 the physician updates the patient's record with a final diagnosis of Carbon Monoxide Poisoning and orders a discharge to inpatient for carbon monoxide poisoning. Southern Midwest Medical Center 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 8:15 am on February 1, 2010.

Pre Condition

A04-Registration message is 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	Not Hispanic or Latino
Zip Code	74852
County/Parish Code	40125
Patient Death Date and Time	

Visit Information

Element Name	Data
Admit Date and Time	02/01/2010 8:00 a.m.
Discharge Disposition	
Diagnosis Type	Final
Diagnosis	Toxic effect of carbon monoxide

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	70
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	headache, nausea and an inability to walk
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	Toxic effect of carbon monoxide
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_2.1-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	SthrnMdwstMedCntr	Configurable Data
MSH.4.2	Universal ID	1231231236	Configurable Data
MSH.4.3	Universal ID Type	NPI	Configurable Data
MSH.7	Date/Time Of Message		
MSH.7.1	Time	201002010815	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	201002010815	Changeable Data
EVN.7	Event Facility		
EVN.7.1	Namespace ID	SthrnMdwstMedCntr	Configurable Data
EVN.7.2	Universal ID	1231231236	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	3333	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	74852	Test Case Fixed Data
PID.11.9	County/Parish Code	40125	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	3333_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	201002010800	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	70	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	headache, nausea and an inability to walk	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	986	Test Case Fixed Data
OBX.5-CWE.2	Text	Toxic effect of carbon monoxide	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	986	Test Case Fixed Data
DG1.3.2	Text	Toxic effect of carbon monoxide	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|^~\&||SthrnMdwstMedCntr^1231231236^NPI||201002010815||ADT^A08^ADT_A01|NIST-SS-003.21|P|2.5.1|||||PH_SS-NoAck^SS
Sender^2.16.840.1.114222.4.10.3^ISO

EVN||201002010815||||SthrnMdwstMedCntr^1231231236^NPI

PID|1||3333^MR||^~^S||M||2106-3^CDCREC|^74852^40125|||||2186-5^CDCREC

PV1|1|||||3333_001^VN|||||201002010800

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

OBX|2|NM|21612-7^LN||70|a^UCUM||||F

OBX|3|CWE|8661-1^LN|^headache, nausea and an inability to walk||||F

OBX|4|CWE|8661-1^LN||986^Toxic effect of carbon monoxide^I9CDX||||F

DG1|1||986^Toxic effect of carbon monoxide^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_3.1

ED Visit_Admit - Discharge

Step3

A03 Message

Test Story

Description

The attending physician determines that the patient should be admitted for overnight observation and a full neurological assessment. At 8:15 the physician updates the patient's record with a final diagnosis of Carbon Monoxide Poisoning and orders a discharge to inpatient for carbon monoxide poisoning. Southern Midwest Medical Center 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 Discharge message is sent at 8:30 AM on February 1, 2010.

Pre Condition

A08-Update message is 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	Not Hispanic or Latino
Zip Code	74852
County/Parish Code	40125
Patient Death Date and Time	

Visit Information

Element Name	Data
Admit Date and Time	02/01/2010 8:00 a.m.
Discharge Disposition	Admitted as an inpatient to this hospital
Diagnosis Type	Final
Diagnosis	Toxic effect of carbon monoxide

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	70
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	headache, nausea and an inability to walk
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	Toxic effect of carbon monoxide
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_3.1-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	SthrnMdwstMedCntr	Configurable Data
MSH.4.2	Universal ID	1231231236	Configurable Data
MSH.4.3	Universal ID Type	NPI	Configurable Data
MSH.7	Date/Time Of Message		
MSH.7.1	Time	201002010830	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	201002010830	Changeable Data
EVN.7	Event Facility		
EVN.7.1	Namespace ID	SthrnMdwstMedCntr	Configurable Data
EVN.7.2	Universal ID	1231231236	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	3333	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	74852	Test Case Fixed Data
PID.11.9	County/Parish Code	40125	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	3333_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	201002010800	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	986	Test Case Fixed Data
DG1.3.2	Text	Toxic effect of carbon monoxide	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	70	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	headache, nausea and an inability to walk	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	986	Test Case Fixed Data
OBX.5-CWE.2	Text	Toxic effect of carbon monoxide	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|^~\&||SthrnMdwstMedCntr^1231231236^NPI||201002010830||ADT^A03^ADT_A03|NIST-SS-003.31|P|2.5.1|||||PH_SS-NoAck^SS
Sender^2.16.840.1.114222.4.10.3^ISO

EVN||201002010830|||||SthrnMdwstMedCntr^1231231236^NPI

PID|1||3333^^^MR||^~^S||M||2106-3^^CDCREC|^74852^^^40125|||||2186-5^^CDCREC

PV1|1|||||3333_001^^^VN|||||09|||||201002010800

DG1|1||986^Toxic effect of carbon monoxide^I9CDX|||F

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

OBX|2|NM|21612-7^^LN||70|a^^UCUM|||||F

OBX|3|CWE|8661-1^^LN||^headache, nausea and an inability to walk|||||F

OBX|4|CWE|8661-1^^LN||986^Toxic effect of carbon monoxide^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_4.1

ED Visit_Admit - Admission

Step4

A01 Message

Test Story

Description

Due to the toxic effect of the carbon monoxide poisoning, at 8:30 am the patient is discharged from the ED and admitted into the hospital for HBOT treatment and overnight observation. Southern Midwest Medical Center reports Syndromic surveillance data to the state health department. The hospitals electronic health record module for Syndromic surveillance data assembles and transmits four messages related to this encounter. Final admission ADT message is sent at 8:30 AM on February 1, 2010.

Pre Condition

A03-Discharge message is 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	Not Hispanic or Latino
Zip Code	74852
County/Parish Code	40125
Patient Death Date and Time	

Visit Information

Element Name	Data
Admit Date and Time	02/01/2010 8:00 a.m.
Discharge Disposition	
Admit Reason	Toxic effect of carbon monoxide
Diagnosis Type	Final
Diagnosis	Toxic effect of carbon monoxide

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	70
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	headache, nausea and an inability to walk
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	Toxic effect of carbon monoxide
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_4.1-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	SthrnMdwstMedCntr	Configurable Data
MSH.4.2	Universal ID	1231231236	Configurable Data
MSH.4.3	Universal ID Type	NPI	Configurable Data
MSH.7	Date/Time Of Message		
MSH.7.1	Time	201002010830	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	201002010830	Changeable Data
EVN.7	Event Facility		
EVN.7.1	Namespace ID	SthrnMdwstMedCntr	Configurable Data
EVN.7.2	Universal ID	1231231236	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	3333	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	74852	Test Case Fixed Data
PID.11.9	County/Parish Code	40125	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	3333_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	201002010800	Changeable Data

PV2 : Patient Visit - Additional Information Segment

Location	Data Element	Data	Categorization
PV2.3	Admit Reason		
PV2.3.1	Identifier	986	Test Case Fixed Data
PV2.3.2	Text	Toxic effect of carbon monoxide	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	70	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	headache, nausea and an inability to walk	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	986	Test Case Fixed Data
OBX.5-CWE.2	Text	Toxic effect of carbon monoxide	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	986	Test Case Fixed Data
DG1.3.2	Text	Toxic effect of carbon monoxide	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|^~\&||SthrnMdwstMedCntr^1231231236^NPI||201002010830||ADT^A01^ADT_A01|NIST-SS-003.41|P|2.5.1|||||PH_SS-NoAck^SS
Sender^2.16.840.1.114222.4.10.3^ISO

EVN||201002010830||||SthrnMdwstMedCntr^1231231236^NPI

PID|1||3333^^^^MR||^~^S||M||2106-3^^CDCREC|^74852^^40125|||||2186-5^^CDCREC

PV1|1|||||3333_001^^^VN|||||201002010800

PV2||986^Toxic effect of carbon monoxide^I9CDX

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

OBX|2|NM|21612-7^^LN||70|a^^UCUM|||||F

OBX|3|CWE|8661-1^^LN||^headache, nausea and an inability to walk|||||F

OBX|4|CWE|8661-1^^LN||986^Toxic effect of carbon monoxide^I9CDX|||||F

DG1|1||986^Toxic effect of carbon monoxide^I9CDX|||F

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