ONC 2015 Edition Certification Test Data

Syndromic Surveillance

Version 1.2.0

31st March, 2016

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ONC 2015 Certification

This Test Plan is designed to be used for ONC 2015 Edition Health IT Module certification testing related to Transmission to public health agencies - syndromic surveillance

1. Urgent Care Visit

Patient is seen in Urgent Care Center and is discharged/dispositioned to home.

1.1. SS-UC-1_UC_Visit_Influenza_Child

Test case addresses a child brought to an urgent care center with influenza and?stenosis of external ear canal due to inflammation.

Test Story

Description
Syndromic surveillance is public health surveillance that emphasizes the use of near "real-time" health data and statistical tools for disease or hazardous event detection, situation awareness for mass gatherings and public health emergencies, and ad hoc and population health trend analyses. For syndromic surveillance purposes, required data on all clinical encounters must be sent to the jurisdictional public health agency within 24 hours of any given encounter, and in accordance with local or state laws and practices. The Child_Influenza Test Case provides an example of a clinical encounter that could take place in either an urgent care or emergency clinical setting. It is therefore applicable to EHR technology used in some ambulatory settings. This test case also provides an example where the facility sending the syndromic surveillance message is different than the facility where the patient received care. In this test case, an infant is seen at an urgent care center for fever, cough, and earache. Diagnostic tests show that he has influenza and stenosis of the external ear canal. He is discharged to home with treatment instructions and a prescription. Syndromic surveillance data about the visit are transmitted to the local health department. This test case involves 2 steps: a registration message (ADT^A04) followed by a discharge message (ADT^A03).

Comments
No Comments

Pre Condition
No PreCondition

Post Condition
No PostCondition

Test Objectives
No Test Objectives

Evaluation Criteria
No evaluation criteria

Notes for Testers
No Note

1.1.1. SS-UC-1.1_Registration_A04

Patient is registered at an Urgent Care Center and is assigned a working diagnosis.

Test Story

Description
A mother brings her 6-month old male infant to Big City Children`s Urgent Care on February 20, 2010 at 8:30 AM. A clerical assistant registers the patient. She records the patient`s name, date of birth, race, ethnicity, residence, insurance information, and health history. The clerical assistant also records the patient's chief complaint in free-text is, "Fever, cough, and earache." At 8:35 AM a nurse sees the patient and performs a vital sign assessment, noting that the child currently has a temperature of 101.2 with a productive cough and right ear inflammation and fluid build-up. At 9:00 AM the physician orders a rapid influenza test, chest x-ray, and a treatment. The physician assigns the patient with working diagnoses of influenza with other respiratory manifestations (ICD-9 CM diagnosis code of 487.1), and stenosis of external ear canal due to inflammation (ICD-9 CM diagnosis code of 380.53) within the patient`s electronic medical record. Big City Children's Urgent Care is an outpatient facility operated by Children's Hospital of Big City that routinely sends electronic syndromic surveillance data to the Big City Health Department (BCHD) in accordance with a city regulation. At 10:00 AM on February 20, 2010, the facility`s electronic health record module for syndromic surveillance data assembles and transmits a Registration ADT message about this patient encounter.

Comments
This Test Scenario provides an example of clinical encounter that could take place in either an urgent care or emergency clinical setting. It is therefore applicable to EHR technology used in some ambulatory settings. Dates and times are provided in this test scenario to illustrate the sequence of clinical and messaging events. Since the exact dates and times are not reproducible when modeling the test scenario with EHR technology, only date and time format will be validated within tester submitted test data.

Pre Condition
No PreCondition

Post Condition
No PostCondition

Test Objectives
Output an ADT^A04 registration message in HL7 containing syndromic surveillance data for the patient encounter

Evaluation Criteria
No evaluation criteria

Notes for Testers
HIT developers must demonstrate that their system supports ICD-9CM, ICD-10CM, and SNOMED CT value sets in order to be conformant to the PHIN Syndromic Surveillance Messaging Guide, Rel2.0, April 2015. If an HIT developer identifies Urgent Care as the only health care setting applicable to their system, the Tester must execute the certification testing for this Test Step by having the system create messages (1) using the ICD-9CM codes provided in the test data for DG1-3 in a test message, (2) using clinically appropriate (equivalent to the ICD-9CM

codes provided in the test data) and valid ICD-10CM codes provided by the vendor for DG1-3 in a test message, and (3) using clinically appropriate (equivalent to the ICD-9CM codes provided in the test data) and valid SNOMED CT codes provided by the vendor for DG1-3 in a test message. The Tester must perform visual inspection of the test messages created by the system in order to determine whether DG1-3 fields are populated with appropriate and valid ICD-10CM and SNOMED CT codes.

ICD-9CM codes are provided in the test data for coding the working diagnoses. If the vendor uses different but equivalent ICD-9CM codes than the ones provided, the Tester may ignore errors generated by the Test Tool related to incorrect code when the ICD-9CM code used in the message is determined to be a valid code.

ICD-9CM and ICD-10CM diagnosis codes are acceptable with or without decimals.

Although the other units of measure for patient age are acceptable in general (and the Context-free validation accepts any of the valid units of measure for age), this Scenario specifies that "mo" for months be used in this message for the Context-based validation.

Visit Number ID (PV1-19.1) must be populated with the same value for all messages included in this Test Case to reflect the requirement in real-world installations. Test Tool does not automatically test for this requirement, so Testers must manually inspect the messages to verify that PV1-19.1 is the same for all Test Step messages for a given Test Case.

Message Contents

MSH : Message Header

Location	Data Element	Data	Categorization
MSH-1	Field Separator	|	Value-Profile Fixed
MSH-2	Encoding Characters	^~\&	Value-Profile Fixed
MSH-4	Sending Facility		
MSH-4.1	Namespace ID	ChildHospBigCity	Presence-Configuration
MSH-4.2	Universal ID	1331231234	Presence-Configuration
MSH-4.3	Universal ID Type	NPI	Presence-Configuration
MSH-7	Date/Time Of Message		
MSH-7.1	Time	201002201000	Presence-System Generated
MSH-9	Message Type		
MSH-9.1	Message Code	ADT	Value-Profile Fixed
MSH-9.2	Trigger Event	A04	Value-Profile Fixed
MSH-9.3	Message Structure	ADT_A01	Value-Profile Fixed
MSH-10	Message Control ID	NIST-SS-001.11	Presence-System Generated
MSH-11	Processing ID		
MSH-11.1	Processing ID	P	Presence-Content Indifferent
MSH-12	Version ID		
MSH-12.1	Version ID	2.5.1	Value-Profile Fixed
MSH-15	Accept Acknowledgment Type	AL	Value-Profile Fixed
MSH-16	Application Acknowledgment Type	AL	Presence-Content Indifferent
MSH-21	Message Profile Identifier		
MSH-21.1	Entity Identifier	PH_SS-Ack	Value-Profile Fixed
MSH-21.2	Namespace ID	SS Sender	Value-Profile Fixed
MSH-21.3	Universal ID	2.16.840.1.114222.4.10.3	Value-Profile Fixed
MSH-21.4	Universal ID Type	ISO	Value-Profile Fixed

EVN : Event Type

Location	Data Element	Data	Categorization
EVN-2	Recorded Date/Time		
EVN-2.1	Time	201002200900	Presence-System Generated
EVN-7	Event Facility		
EVN-7.1	Namespace ID	BgCtyChldrnUrgntCar	Presence-Content Indifferent
EVN-7.2	Universal ID	1231231234	Presence-Content Indifferent
EVN-7.3	Universal ID Type	NPI	Presence-Configuration

PID : Patient Identification

Location	Data Element	Data	Categorization
PID-1	Set ID - PID	1	Value-Profile Fixed
PID-3	Patient Identifier List		
PID-3.1	ID Number	11111	Presence-Content Indifferent
PID-3.4	Assigning Authority		
PID-3.4.1	Namespace ID	BgCtyChldrnUrgntCar	Presence-Content Indifferent
PID-3.4.2	Universal ID	1231231234	Presence-Content Indifferent
PID-3.4.3	Universal ID Type	NPI	Presence-Configuration
PID-5[1]	Patient Name		
PID-5[1].7	Name Type Code		NonPresence
PID-5[2]	Patient Name		
PID-5[2].7	Name Type Code	S	Value-Test Case Fixed
PID-8	Administrative Sex	M	Value-Test Case Fixed
PID-10[1]	Race		
PID-10[1].1	Identifier	2106-3	Value-Test Case Fixed
PID-10[1].2	Text	White	Presence-Test Case Proper
PID-10[1].3	Name of Coding System	CDCREC	Value-Profile Fixed
PID-10[2]	Race		
PID-10[2].1	Identifier	2028-9	Value-Test Case Fixed
PID-10[2].2	Text	Asian	Presence-Test Case Proper
PID-10[2].3	Name of Coding System	CDCREC	Value-Profile Fixed
PID-10[3]	Race		
PID-10[3].1	Identifier	2076-8	Value-Test Case Fixed
PID-10[3].2	Text	Native Hawaiian or Other Pacific Islander	Presence-Test Case Proper
PID-10[3].3	Name of Coding System	CDCREC	Value-Profile Fixed
PID-11	Patient Address		
PID-11.3	City	Jamaica Plain	Presence-Content Indifferent
PID-11.4	State or Province	25	Presence-Content Indifferent
PID-11.5	Zip or Postal Code	02130	Presence-Content Indifferent
PID-11.6	Country	USA	Presence-Content Indifferent
PID-11.9	County/Parish Code	25025	Presence-Content Indifferent
PID-22	Ethnic Group		
PID-22.1	Identifier	2186-5	Value-Test Case Fixed
PID-22.2	Text	Not Hispanic or Latino	Presence-Test Case Proper
PID-22.3	Name of Coding System	CDCREC	Value-Profile Fixed
PID-29	Patient Death Date and Time		
PID-29.1	Time		NonPresence
PID-30	Patient Death Indicator		NonPresence

PV1 : Patient Visit

Location	Data Element	Data	Categorization
PV1-1	Set ID - PV1	1	Value-Profile Fixed
PV1-2	Patient Class	O	Value-Test Case Fixed
PV1-19	Visit Number		
PV1-19.1	ID Number	1111_001	Presence-Content Indifferent
PV1-19.4	Assigning Authority		
PV1-19.4.1	Namespace ID	BgCtyChldrnUrgntCar	Presence-Content Indifferent
PV1-19.4.2	Universal ID	1231231234	Presence-Content Indifferent
PV1-19.4.3	Universal ID Type	NPI	Presence-Configuration
PV1-36	Discharge Disposition		NonPresence
PV1-44	Admit Date/Time		
PV1-44.1	Time	201002200830	Presence-Content Indifferent

PV2 : Patient Visit - Additional Information

Location	Data Element	Data	Categorization
PV2-3	Admit Reason		
PV2-3.1	Identifier		Indifferent
PV2-3.2	Text	Fever, cough, earache	Presence-Test Case Proper
PV2-3.3	Name of Coding System		Indifferent

OBX[*]

OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	1	Value-Profile Fixed
OBX-2	Value Type	CWE	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	SS003	Value-Test Case Fixed
OBX-3.2	Text	Facility/Visit Type	Presence-Test Case Proper
OBX-3.3	Name of Coding System	PHINQUESTION	Value-Profile Fixed
OBX-5	Observation Value		
OBX-5.1	Identifier	261QU0200X	Value-Test Case Fixed
OBX-5.2	Text	Urgent Care	Presence-Test Case Proper
OBX-5.3	Name of Coding System	HCPTNUCC	Value-Profile Fixed
OBX-5.4	Alternate Identifier		Indifferent
OBX-5.5	Alternate Text		Indifferent
OBX-5.6	Name of Alternate Coding System		Indifferent
OBX-5.9	Original Text	Urgent Care Center	Presence-Content Indifferent
OBX-6	Units		
OBX-6.1	Identifier		NonPresence
OBX-6.2	Text		NonPresence
OBX-6.3	Name of Coding System		NonPresence
OBX-11	Observation Result Status	F	Value-Test Case Fixed

OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	2	Value-Profile Fixed
OBX-2	Value Type	NM	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	21612-7	Value-Profile Fixed
OBX-3.2	Text	Age at Time Patient Reported	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-5	Observation Value	6	Value-Test Case Fixed
OBX-6	Units		
OBX-6.1	Identifier	mo	Value-Test Case Fixed
OBX-6.2	Text	age	Presence-Test Case Proper
OBX-6.3	Name of Coding System	UCUM	Value-Profile Fixed
OBX-11	Observation Result Status	F	Value-Test Case Fixed

OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	3	Value-Profile Fixed
OBX-2	Value Type	TX	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	8661-1	Value-Profile Fixed
OBX-3.2	Text	Chief complaint:Find:Pt:Patient:Nom:Reported	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-5	Observation Value	Mother states that patient has fever, cough, and earache	Presence-Content Indifferent
OBX-6	Units		
OBX-6.1	Identifier		NonPresence
OBX-6.2	Text		NonPresence
OBX-6.3	Name of Coding System		NonPresence
OBX-11	Observation Result Status	F	Value-Test Case Fixed

OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	4	Value-Profile Fixed
OBX-2	Value Type	NM	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	8302-2	Value-Profile Fixed
OBX-3.2	Text	Height	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-5	Observation Value	27	Presence-Content Indifferent
OBX-6	Units		
OBX-6.1	Identifier	[in_us]	Value-Test Case Fixed
OBX-6.2	Text	inch	Presence-Test Case Proper
OBX-6.3	Name of Coding System	UCUM	Value-Profile Fixed
OBX-11	Observation Result Status	F	Value-Test Case Fixed

OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	5	Value-Profile Fixed
OBX-2	Value Type	NM	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	3141-9	Value-Profile Fixed
OBX-3.2	Text	Weight	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-5	Observation Value	17	Presence-Content Indifferent
OBX-6	Units		
OBX-6.1	Identifier	[lb_av]	Value-Test Case Fixed
OBX-6.2	Text	pound	Presence-Test Case Proper
OBX-6.3	Name of Coding System	UCUM	Value-Profile Fixed
OBX-11	Observation Result Status	F	Value-Test Case Fixed

OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	6	Value-Profile Fixed
OBX-2	Value Type	CWE	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	72166-2	Value-Profile Fixed
OBX-3.2	Text	Tobacco Smoking Status	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-5	Observation Value		
OBX-5.1	Identifier	266919005	Value-Test Case Fixed
OBX-5.2	Text	Never smoker	Presence-Test Case Proper
OBX-5.3	Name of Coding System	SCT	Value-Profile Fixed
OBX-5.4	Alternate Identifier		Indifferent
OBX-5.5	Alternate Text		Indifferent
OBX-5.6	Name of Alternate Coding System		Indifferent
OBX-5.9	Original Text		Indifferent
OBX-6	Units		
OBX-6.1	Identifier		NonPresence
OBX-6.2	Text		NonPresence
OBX-6.3	Name of Coding System		NonPresence
OBX-11	Observation Result Status	F	Value-Test Case Fixed

DG1[*]

DG1 : Diagnosis

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

DG1 : Diagnosis

Location	Data Element	Data	Categorization
DG1-1	Set ID - DG1	2	Value-Profile Fixed
DG1-3	Diagnosis Code - DG1		
DG1-3.1	Identifier	38053	Value-Test Case Fixed List
DG1-3.2	Text	Stenosis of external ear canal due to inflammation	Presence-Test Case Proper
DG1-3.3	Name of Coding System	I9CDX	Value-Test Case Fixed
DG1-6	Diagnosis Type	W	Value-Test Case Fixed

Test Data Specification

Patient Information

Element	Data
Name	
Sex	Male
Race1	White
Race2	Asian
Race3	Native Hawaiian or Other Pacific Islander
Ethnic Group	Not Hispanic or Latino
City	Jamaica Plain
State	Massachusetts
Zip Code	02130
Country	UNITED STATES
County/Parish Code	25025
Patient Death Date and Time	
Patient Death Indicator	

Visit Information

Element	Data
Admit or Encounter Reason	Fever, cough, earache
Admit Date and Time	02/20/2010 8:30 AM
Patient Class	Outpatient
Diagnosis Type	Working
Diagnosis	Influenza with other respiratory manifestations
Diagnosis	Stenosis of external ear canal due to inflammation

Observations[*]

Observation Results Information

Element	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	Data
Observation Identifier	Age Time Patient Reported
Observation Value	6
Units	age
Observation Results Status	Final results; Can only be changed with a corrected result.

Observation Results Information

Element	Data
Observation Identifier	Chief complaint:Find:Pt:Patient:Nom:Reported
Observation Value	Mother states that patient has fever, cough, and earache
Units	
Observation Results Status	Final results; Can only be changed with a corrected result.

Observation Results Information

Element	Data
Observation Identifier	Height
Observation Value	27
Units	inch
Observation Results Status	Final results; Can only be changed with a corrected result.

Observation Results Information

Element	Data
Observation Identifier	Weight
Observation Value	17
Units	pound
Observation Results Status	Final results; Can only be changed with a corrected result.

Observation Results Information

Element	Data
Observation Identifier	Tobacco Smoking Status
Observation Value	Never smoker
Units	
Observation Results Status	Final results; Can only be changed with a corrected result.

1.1.2. SS-UC-1.2_Discharge_A03

Patient is discharged from Urgent Care Center and is assigned a final diagnosis.

Test Story

Description
The patient`s vital signs gradually return to normal. At 2 PM, the patient`s laboratory and radiology tests results are provided to the attending physician. The tests indicate that the infant has influenza, and does not have pneumonia. The patient`s mother is provided with treatment information and prescriptions for her infant son. The working diagnoses (ICD-9 CM 487.1 and 380.53) are resolved/inactivated, and at 5 PM the patient is discharged home with final diagnoses of influenza and stenosis of external ear canal due to inflammation. Big City Children's Urgent Care is an outpatient facility operated by Children's Hospital of Big City that routinely sends electronic syndromic surveillance data to the Big City Health Department (BCHD) in accordance with a city regulation. At 6:00 PM on February 20, 2010, the facility`s electronic health record module for syndromic surveillance data assembles and transmits a Discharge ADT message about this patient encounter to BCHD.

Comments
This Test Scenario provides an example of clinical encounter that could take place in either an urgent care or emergency clinical setting. It is therefore applicable to EHR technology used in some ambulatory settings. Dates and times are provided in this test scenario to illustrate the sequence of clinical and messaging events. Since the exact dates and times are not reproducible when modeling the test scenario with EHR technology, only date and time format will be validated within tester submitted test data.

Pre Condition
A04-Registration message is sent before A03-Discharge message.

Post Condition
No PostCondition

Test Objectives
Output an ADT^A03 discharge message in HL7 2.5.1 containing the syndromic surveillance data for the patient encounter.

Evaluation Criteria
No evaluation criteria

Notes for Testers
HIT developers must demonstrate that their system supports ICD-9CM, ICD-10CM, and SNOMED CT value sets in order to be conformant to the PHIN Syndromic Surveillance Messaging Guide, Rel2.0, April 2015. If an HIT developer identifies Urgent Care as the only health care setting applicable to their system, the Tester must execute the certification testing for this Test Step by having the system create messages (1) using the ICD-9CM codes provided in the test data for DG1-3 in a test message, (2) using clinically appropriate (equivalent to the ICD-9CM codes provided in the test data) and valid ICD-10CM codes provided by the vendor for DG1-3 in a test message, and (3) using clinically appropriate (equivalent to the ICD-9CM codes provided in the test data) and valid SNOMED CT codes provided by the vendor for DG1-3 in a test message. The Tester must perform visual inspection of the test messages created by the system in order to

determine whether DG1-3 fields are populated with appropriate and valid ICD-10CM and SNOMED CT codes.

ICD-9CM codes are provided in the test data for coding the working diagnoses. If the vendor uses different but equivalent ICD-9CM codes than the ones provided, the Tester may ignore errors generated by the Test Tool related to incorrect code when the ICD-9CM code used in the message is determined to be a valid code.

ICD-9CM and ICD-10CM diagnosis codes are acceptable with or without decimals.

Although the other units of measure for patient age are acceptable in general (and the Context-free validation accepts any of the valid units of measure for age), this Scenario specifies that "mo" for months be used in this message for the Context-based validation.

Visit Number ID (PV1-19.1) must be populated with the same value for all messages included in this Test Case to reflect the requirement in real-world installations. Test Tool does not automatically test for this requirement, so Testers must manually inspect the messages to verify that PV1-19.1 is the same for all Test Step messages for a given Test Case.

Message Contents

MSH : Message Header

Location	Data Element	Data	Categorization
MSH-1	Field Separator	|	Value-Profile Fixed
MSH-2	Encoding Characters	^~\&	Value-Profile Fixed
MSH-4	Sending Facility		
MSH-4.1	Namespace ID	ChildHospBigCity	Presence-Configuration
MSH-4.2	Universal ID	1331231234	Presence-Configuration
MSH-4.3	Universal ID Type	NPI	Presence-Configuration
MSH-7	Date/Time Of Message		
MSH-7.1	Time	201002201800	Presence-System Generated
MSH-9	Message Type		
MSH-9.1	Message Code	ADT	Value-Profile Fixed
MSH-9.2	Trigger Event	A03	Value-Profile Fixed
MSH-9.3	Message Structure	ADT_A03	Value-Profile Fixed
MSH-10	Message Control ID	NIST-SS-001.21	Presence-System Generated
MSH-11	Processing ID		
MSH-11.1	Processing ID	P	Presence-Content Indifferent
MSH-12	Version ID		
MSH-12.1	Version ID	2.5.1	Value-Profile Fixed
MSH-15	Accept Acknowledgment Type	AL	Value-Profile Fixed
MSH-16	Application Acknowledgment Type	AL	Presence-Content Indifferent
MSH-21	Message Profile Identifier		
MSH-21.1	Entity Identifier	PH_SS-Ack	Value-Profile Fixed
MSH-21.2	Namespace ID	SS Sender	Value-Profile Fixed
MSH-21.3	Universal ID	2.16.840.1.114222.4.10.3	Value-Profile Fixed
MSH-21.4	Universal ID Type	ISO	Value-Profile Fixed

EVN : Event Type

Location	Data Element	Data	Categorization
EVN-2	Recorded Date/Time		
EVN-2.1	Time	201002201800	Presence-System Generated
EVN-7	Event Facility		
EVN-7.1	Namespace ID	BgCtyChldrnUrgntCar	Presence-Content Indifferent
EVN-7.2	Universal ID	1231231234	Presence-Content Indifferent
EVN-7.3	Universal ID Type	NPI	Presence-Configuration

PID : Patient Identification

Location	Data Element	Data	Categorization
PID-1	Set ID - PID	1	Value-Profile Fixed
PID-3	Patient Identifier List		
PID-3.1	ID Number	11111	Presence-Content Indifferent
PID-3.4	Assigning Authority		
PID-3.4.1	Namespace ID	BgCtyChldrnUrgntCar	Presence-Content Indifferent
PID-3.4.2	Universal ID	1231231234	Presence-Content Indifferent
PID-3.4.3	Universal ID Type	NPI	Presence-Configuration
PID-5[1]	Patient Name		
PID-5[1].7	Name Type Code		NonPresence
PID-5[2]	Patient Name		
PID-5[2].7	Name Type Code	S	Value-Test Case Fixed
PID-8	Administrative Sex	M	Value-Test Case Fixed
PID-10[1]	Race		
PID-10[1].1	Identifier	2106-3	Value-Test Case Fixed
PID-10[1].2	Text	White	Presence-Test Case Proper
PID-10[1].3	Name of Coding System	CDCREC	Value-Profile Fixed
PID-10[2]	Race		
PID-10[2].1	Identifier	2028-9	Value-Test Case Fixed
PID-10[2].2	Text	Asian	Presence-Test Case Proper
PID-10[2].3	Name of Coding System	CDCREC	Value-Profile Fixed
PID-10[3]	Race		
PID-10[3].1	Identifier	2076-8	Value-Test Case Fixed
PID-10[3].2	Text	Native Hawaiian or Other Pacific Islander	Presence-Test Case Proper
PID-10[3].3	Name of Coding System	CDCREC	Value-Profile Fixed
PID-11	Patient Address		
PID-11.3	City	Jamaica Plain	Presence-Content Indifferent
PID-11.4	State or Province	25	Presence-Content Indifferent
PID-11.5	Zip or Postal Code	02130	Presence-Content Indifferent
PID-11.6	Country	USA	Presence-Content Indifferent
PID-11.9	County/Parish Code	25025	Presence-Content Indifferent
PID-22	Ethnic Group		
PID-22.1	Identifier	2186-5	Value-Test Case Fixed
PID-22.2	Text	Not Hispanic or Latino	Presence-Test Case Proper
PID-22.3	Name of Coding System	CDCREC	Value-Profile Fixed
PID-29	Patient Death Date and Time		
PID-29.1	Time		NonPresence
PID-30	Patient Death Indicator		NonPresence

PV1 : Patient Visit

Location	Data Element	Data	Categorization
PV1-1	Set ID - PV1	1	Value-Profile Fixed
PV1-2	Patient Class	O	Value-Test Case Fixed
PV1-19	Visit Number		
PV1-19.1	ID Number	1111_001	Presence-Content Indifferent
PV1-19.4	Assigning Authority		
PV1-19.4.1	Namespace ID	BgCtyChldrnUrgntCar	Presence-Content Indifferent
PV1-19.4.2	Universal ID	1231231234	Presence-Content Indifferent
PV1-19.4.3	Universal ID Type	NPI	Presence-Configuration
PV1-36	Discharge Disposition	01	Value-Test Case Fixed
PV1-44	Admit Date/Time		
PV1-44.1	Time	201002200830	Presence-Content Indifferent
PV1-45	Discharge Date/Time		
PV1-45.1	Time	201002201700	Presence-Content Indifferent

PV2 : Patient Visit - Additional Information

Location	Data Element	Data	Categorization
PV2-3	Admit Reason		
PV2-3.1	Identifier		Indifferent
PV2-3.2	Text	Fever, cough, earache	Presence-Test Case Proper
PV2-3.3	Name of Coding System		Indifferent

DG1[*]

DG1 : Diagnosis

Location	Data Element	Data	Categorization
DG1-1	Set ID - DG1	1	Value-Profile Fixed
DG1-3	Diagnosis Code - DG1		
DG1-3.1	Identifier	4871	Value-Test Case Fixed List
DG1-3.2	Text	Influenza with other respiratory manifestations	Presence-Test Case Proper
DG1-3.3	Name of Coding System	I9CDX	Value-Test Case Fixed
DG1-6	Diagnosis Type	F	Value-Test Case Fixed

DG1 : Diagnosis

Location	Data Element	Data	Categorization
DG1-1	Set ID - DG1	2	Value-Profile Fixed
DG1-3	Diagnosis Code - DG1		
DG1-3.1	Identifier	38053	Value-Test Case Fixed List
DG1-3.2	Text	Stenosis of external ear canal due to inflammation	Presence-Test Case Proper
DG1-3.3	Name of Coding System	I9CDX	Value-Test Case Fixed
DG1-6	Diagnosis Type	F	Value-Test Case Fixed

OBX[*]

OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	1	Value-Profile Fixed
OBX-2	Value Type	CWE	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	SS003	Value-Profile Fixed
OBX-3.2	Text	Facility/Visit Type	Presence-Test Case Proper
OBX-3.3	Name of Coding System	PHINQUESTION	Value-Profile Fixed
OBX-5	Observation Value		
OBX-5.1	Identifier	261QU0200X	Value-Test Case Fixed
OBX-5.2	Text	Urgent Care	Presence-Test Case Proper
OBX-5.3	Name of Coding System	HCPTNUCC	Value-Profile Fixed
OBX-5.4	Alternate Identifier		Indifferent
OBX-5.5	Alternate Text		Indifferent
OBX-5.6	Name of Alternate Coding System		Indifferent
OBX-5.9	Original Text	Urgent Care Center	Presence-Content Indifferent
OBX-6	Units		
OBX-6.1	Identifier		NonPresence
OBX-6.2	Text		NonPresence
OBX-6.3	Name of Coding System		NonPresence
OBX-11	Observation Result Status	F	Value-Test Case Fixed

OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	2	Value-Profile Fixed
OBX-2	Value Type	NM	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	21612-7	Value-Profile Fixed
OBX-3.2	Text	Age at Time Patient Reported	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-5	Observation Value	6	Value-Test Case Fixed
OBX-6	Units		
OBX-6.1	Identifier	mo	Value-Test Case Fixed
OBX-6.2	Text	age	Presence-Test Case Proper
OBX-6.3	Name of Coding System	UCUM	Value-Profile Fixed
OBX-11	Observation Result Status	F	Value-Test Case Fixed

OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	3	Value-Profile Fixed
OBX-2	Value Type	TX	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	8661-1	Value-Profile Fixed
OBX-3.2	Text	Chief complaint:Find:Pt:Patient:Nom:Reported	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-5	Observation Value	Mother states that patient has fever, cough, and earache	Presence-Content Indifferent
OBX-6	Units		
OBX-6.1	Identifier		NonPresence
OBX-6.2	Text		NonPresence
OBX-6.3	Name of Coding System		NonPresence
OBX-11	Observation Result Status	F	Value-Test Case Fixed

OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	4	Value-Profile Fixed
OBX-2	Value Type	NM	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	8302-2	Value-Profile Fixed
OBX-3.2	Text	Height	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-5	Observation Value	27	Presence-Content Indifferent
OBX-6	Units		
OBX-6.1	Identifier	[in_us]	Value-Test Case Fixed
OBX-6.2	Text	inch	Presence-Test Case Proper
OBX-6.3	Name of Coding System	UCUM	Value-Profile Fixed
OBX-11	Observation Result Status	F	Value-Test Case Fixed

OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	5	Value-Profile Fixed
OBX-2	Value Type	NM	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	3141-9	Value-Profile Fixed
OBX-3.2	Text	Weight	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-5	Observation Value	17	Presence-Content Indifferent
OBX-6	Units		
OBX-6.1	Identifier	[lb_av]	Value-Test Case Fixed
OBX-6.2	Text	pound	Presence-Test Case Proper
OBX-6.3	Name of Coding System	UCUM	Value-Profile Fixed
OBX-11	Observation Result Status	F	Value-Test Case Fixed

OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	6	Value-Profile Fixed
OBX-2	Value Type	CWE	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	72166-2	Value-Profile Fixed
OBX-3.2	Text	Tobacco Smoking Status	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-5	Observation Value		
OBX-5.1	Identifier	266919005	Value-Test Case Fixed
OBX-5.2	Text	Never smoker	Presence-Test Case Proper
OBX-5.3	Name of Coding System	SCT	Value-Profile Fixed
OBX-5.4	Alternate Identifier		Indifferent
OBX-5.5	Alternate Text		Indifferent
OBX-5.6	Name of Alternate Coding System		Indifferent
OBX-5.9	Original Text		Indifferent
OBX-6	Units		
OBX-6.1	Identifier		NonPresence
OBX-6.2	Text		NonPresence
OBX-6.3	Name of Coding System		NonPresence
OBX-11	Observation Result Status	F	Value-Test Case Fixed

Test Data Specification

Patient Information

Element	Data
Name	Coded Pseudo-Name to ensure anonymity
Sex	Male
Race1	White
Race2	Asian
Race3	Native Hawaiian or Other Pacific Islander
Ethnic Group	Not Hispanic or Latino
City	Jamaica Plain
State	Massachusetts
Zip Code	02130
Country	UNITED STATES
County/Parish Code	25025
Patient Death Date and Time	
Patient Death Indicator	

Visit Information

Element	Data
Admit or Encounter Reason	Fever, cough, earache
Admit Date and Time	02/20/2010 8:30 AM
Patient Class	Outpatient
Discharge Disposition	Discharged to home or self care (routine discharge)
Discharge Date/Time	02/20/2010 5:00 PM
Diagnosis Type	Final
Diagnosis	Influenza with other respiratory manifestations
Diagnosis	Stenosis of external ear canal due to inflammation

Observations[*]

Observation Results Information

Element	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	Data
Observation Identifier	Age Time Patient Reported
Observation Value	6
Units	age
Observation Results Status	Final results; Can only be changed with a corrected result.

Observation Results Information

Element	Data
Observation Identifier	Chief complaint:Find:Pt:Patient:Nom:Reported
Observation Value	Mother states that patient has fever, cough, and earache
Units	
Observation Results Status	Final results; Can only be changed with a corrected result.

Observation Results Information

Element	Data
Observation Identifier	Height
Observation Value	27
Units	inch
Observation Results Status	Final results; Can only be changed with a corrected result.

Observation Results Information

Element	Data
Observation Identifier	Weight
Observation Value	17
Units	pound
Observation Results Status	Final results; Can only be changed with a corrected result.

Observation Results Information

Element	Data
Observation Identifier	Tobacco Smoking Status
Observation Value	Never smoker
Units	
Observation Results Status	Final results; Can only be changed with a corrected result.

2. ED Visit with Mortality

Patient seen in ED and dies.

2.1. SS-ED-2_ED_Visit_Patient_Dies

Patient visits ED and dies of head injuries.

Test Story

Description
Syndromic surveillance is public health surveillance that emphasizes the use of near "real-time" health data and statistical tools for disease or hazardous event detection, situation awareness for mass gatherings and public health emergencies, and ad hoc and population health trend analyses. For syndromic surveillance purposes, required data on all clinical encounters must be sent to the jurisdictional public health agency within 24 hours of any given encounter, and in accordance with local or state laws and practices. The ED Visit Test Case provides an example of an ED visit where the patient's demographic information is unavailable at registration, admit/encounter reason is captured as a coded value using an ICD-10 CM code, a working diagnosis and a final diagnosis are captured using ICD-10 CM codes, and the patient dies. In this test case, an unconscious, unknown female patient is brought to an emergency department by ambulance after she sustained critical head and neck injuries due to a collision with a bus while she was riding a bicycle. She is placed on a ventilator, diagnosed as having severe head trauma, and expires from her injuries. Syndromic surveillance data about the visit are transmitted to the state health department. This test case involves 3 steps: a registration message (ADT^A04), an update message (ADT^A08), and a discharge message (ADT^A03).

Comments
No Comments

Pre Condition
No PreCondition

Post Condition
No PostCondition

Test Objectives
No Test Objectives

Evaluation Criteria
No evaluation criteria

Notes for Testers
No Note

2.1.1. SS-ED-2.1_Registration_A04

Patient is registered in the ED.

Test Story

Description
An unconscious white female with critical injuries to her head and neck is brought by ambulance to Western Regional Medical Center's Emergency Department at 5:00 PM on July 17, 2012. The paramedics report that the patient turned her bicycle in to a bus moving at 35 mph. The collision threw the cyclist, who was not wearing a helmet, head first to the ground. The patient's vital signs are stable, but she is on ventilation. Unable to find any identification, the patient is registered without her true name, date of birth, race, ethnicity, insurance information, and health history. Her admit/encounter reason is logged as V31.4XXA (Pedal cycle driver injured in collision with car, pick-up truck or van in traffic accident, initial encounter). No working diagnoses are assigned. Western Regional Medical Center reports syndromic surveillance data to the state health department (SHD). At 5:00 PM on July 17, 2012 the hospital's electronic health record module for syndromic surveillance data assembles and transmits an ADT^A04 Registration message about this encounter to SHD.

Comments
This Test Case provides an example of an ED visit where the patient's demographic information is unavailable at registration, admit/encounter reason is captured as a coded value using an ICD-10 CM code, two working diagnoses and a final diagnosis are captured using ICD-10 CM codes, and the patient dies. The dates and times in this test case illustrate the sequence of clinical and messaging events. Since the exact dates and times are not reproducible when modeling the test case with a Health IT Module, only date and time format will be validated within tester submitted test data. ICD-10 CM diagnosis codes are acceptable with or without decimals.

Pre Condition
No PreCondition

Post Condition
No PostCondition

Test Objectives
This test step examines a Health IT Module's ability to create ADT^A04 Registration message within PHIN Syndromic Surveillance Messaging Guide's conformance requirements.

Evaluation Criteria
No evaluation criteria

Notes for Testers
HIT developers must demonstrate that their system supports ICD-9CM, ICD-10CM, and SNOMED CT value sets in order to be conformant to the PHIN Syndromic Surveillance Messaging Guide, Rel2.0, April 2015. If an HIT developer identifies Emergency Department as the only health care setting applicable to their system, the Tester must execute the certification testing for this Test Step by having the system create messages (1) using the ICD-10CM codes provided in the test data for PV2-3 in a test message, (2) using clinically appropriate (equivalent to the ICD-10CM codes provided in the test data) and valid ICD-9CM codes provided by the vendor for PV2-3 in a test message, and (3) using clinically appropriate (equivalent to the ICD-10CM

codes provided in the test data) and valid SNOMED CT codes provided by the vendor for PV2-3 in a test message. The Tester must perform visual inspection of the test messages created by the system in order to determine whether PV2-3 fields are populated with appropriate and valid ICD-9CM and SNOMED CT codes.

An ICD-10CM code is provided in the test data for coding the admit/encounter reason. If the vendor uses a different but equivalent ICD-10CM code than the one provided, the Tester may ignore errors generated by the Test Tool related to incorrect code when the ICD-10CM code used in the message is determined to be a valid code.

ICD-10CM and ICD-9CM diagnosis codes are acceptable with or without decimals.

Visit Number ID (PV1-19.1) must be populated with the same value for all messages included in this Test Case to reflect the requirement in real-world installations. Test Tool does not automatically test for this requirement, so Testers must manually inspect the messages to verify that PV1-19.1 is the same for all Test Step messages for a given Test Case.

Message Contents

MSH : Message Header

Location	Data Element	Data	Categorization
MSH-1	Field Separator	|	Value-Profile Fixed
MSH-2	Encoding Characters	^~\&	Value-Profile Fixed
MSH-4	Sending Facility		
MSH-4.1	Namespace ID	WstrnRgnlMedCntr	Presence-Configuration
MSH-4.2	Universal ID	1231231235	Presence-Configuration
MSH-4.3	Universal ID Type	NPI	Presence-Configuration
MSH-7	Date/Time Of Message		
MSH-7.1	Time	201207171700	Presence-System Generated
MSH-9	Message Type		
MSH-9.1	Message Code	ADT	Value-Profile Fixed
MSH-9.2	Trigger Event	A04	Value-Profile Fixed
MSH-9.3	Message Structure	ADT_A01	Value-Profile Fixed
MSH-10	Message Control ID	NIST-SS-002.11	Presence-System Generated
MSH-11	Processing ID		
MSH-11.1	Processing ID	P	Presence-Content Indifferent
MSH-12	Version ID		
MSH-12.1	Version ID	2.5.1	Value-Profile Fixed
MSH-15	Accept Acknowledgment Type	AL	Value-Profile Fixed
MSH-16	Application Acknowledgment Type		Indifferent
MSH-21	Message Profile Identifier		
MSH-21.1	Entity Identifier	PH_SS-Ack	Value-Profile Fixed
MSH-21.2	Namespace ID	SS Sender	Value-Profile Fixed
MSH-21.3	Universal ID	2.16.840.1.114222.4.10.3	Value-Profile Fixed
MSH-21.4	Universal ID Type	ISO	Value-Profile Fixed

EVN : Event Type

Location	Data Element	Data	Categorization
EVN-2	Recorded Date/Time		
EVN-2.1	Time	201207171700	Presence-System Generated
EVN-7	Event Facility		
EVN-7.1	Namespace ID	WstrnRgnlMedCntr	Presence-Configuration
EVN-7.2	Universal ID	1231231235	Presence-Configuration
EVN-7.3	Universal ID Type	NPI	Presence-Configuration

PID : Patient Identification

Location	Data Element	Data	Categorization
PID-1	Set ID - PID	1	Value-Profile Fixed
PID-3	Patient Identifier List		
PID-3.1	ID Number	222	Presence-Content Indifferent
PID-3.4	Assigning Authority		
PID-3.4.1	Namespace ID	WstrnRgnlMedCntr	Presence-Content Indifferent
PID-3.4.2	Universal ID	1231231235	Presence-Content Indifferent
PID-3.4.3	Universal ID Type	NPI	Presence-Configuration
PID-5[1]	Patient Name		
PID-5[1].7	Name Type Code		NonPresence
PID-5[2]	Patient Name		
PID-5[2].7	Name Type Code	U	Value-Test Case Fixed
PID-8	Administrative Sex	F	Value-Test Case Fixed
PID-10	Race		
PID-10.1	Identifier	2106-3	Value-Test Case Fixed
PID-10.2	Text	White	Presence-Test Case Proper
PID-10.3	Name of Coding System	CDCREC	Value-Profile Fixed
PID-11	Patient Address		
PID-11.3	City		Indifferent
PID-11.4	State or Province		Indifferent
PID-11.5	Zip or Postal Code		Indifferent
PID-11.6	Country		Indifferent
PID-11.9	County/Parish Code		Indifferent
PID-22	Ethnic Group		
PID-22.1	Identifier		Indifferent
PID-22.2	Text		Indifferent
PID-22.3	Name of Coding System		Indifferent
PID-29	Patient Death Date and Time		
PID-29.1	Time		NonPresence
PID-30	Patient Death Indicator		NonPresence

PV1 : Patient Visit

Location	Data Element	Data	Categorization
PV1-1	Set ID - PV1	1	Value-Profile Fixed
PV1-2	Patient Class	E	Value-Test Case Fixed
PV1-19	Visit Number		
PV1-19.1	ID Number	20120709_0064	Presence-Content Indifferent
PV1-19.4	Assigning Authority		
PV1-19.4.1	Namespace ID	WstrnRgnlMedCntr	Presence-Content Indifferent
PV1-19.4.2	Universal ID	1231231235	Presence-Content Indifferent
PV1-19.4.3	Universal ID Type	NPI	Presence-Configuration
PV1-36	Discharge Disposition		NonPresence
PV1-44	Admit Date/Time		
PV1-44.1	Time	201207171700	Presence-Content Indifferent

PV2 : Patient Visit - Additional Information

Location	Data Element	Data	Categorization
PV2-3	Admit Reason		
PV2-3.1	Identifier	V134XXA	Value-Test Case Fixed List
PV2-3.2	Text	Pedal cycle driver injured in collision with car, pick-up truck or van in traffic accident, initial encounter	Presence-Test Case Proper
PV2-3.3	Name of Coding System	I10C	Value-Test Case Fixed

OBX[*]

OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	1	Value-Profile Fixed
OBX-2	Value Type	CWE	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	SS003	Value-Test Case Fixed
OBX-3.2	Text	Facility/Visit Type	Presence-Test Case Proper
OBX-3.3	Name of Coding System	PHINQUESTION	Value-Profile Fixed
OBX-5	Observation Value		
OBX-5.1	Identifier	261QE0002X	Value-Test Case Fixed
OBX-5.2	Text	Emergency Care	Presence-Test Case Proper
OBX-5.3	Name of Coding System	HCPTNUCC	Value-Profile Fixed
OBX-5.4	Alternate Identifier		Indifferent
OBX-5.5	Alternate Text		Indifferent
OBX-5.6	Name of Alternate Coding System		Indifferent
OBX-5.9	Original Text		Indifferent
OBX-6	Units		
OBX-6.1	Identifier		NonPresence
OBX-6.2	Text		NonPresence
OBX-6.3	Name of Coding System		NonPresence
OBX-11	Observation Result Status	F	Value-Test Case Fixed

OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	2	Value-Profile Fixed
OBX-2	Value Type	NM	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	21612-7	Value-Profile Fixed
OBX-3.2	Text	Age at Time Patient Reported	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-5	Observation Value		NonPresence
OBX-6	Units		
OBX-6.1	Identifier	UNK	Value-Test Case Fixed
OBX-6.2	Text	Unknown	Presence-Test Case Proper
OBX-6.3	Name of Coding System	NULLFL	Value-Profile Fixed
OBX-11	Observation Result Status	F	Value-Test Case Fixed

OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	3	Value-Profile Fixed
OBX-2	Value Type	NM	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	8302-2	Value-Profile Fixed
OBX-3.2	Text	Height	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-5	Observation Value	65	Value-Test Case Fixed
OBX-6	Units		
OBX-6.1	Identifier	[in_us]	Value-Test Case Fixed
OBX-6.2	Text	inch	Presence-Test Case Proper
OBX-6.3	Name of Coding System	UCUM	Value-Profile Fixed
OBX-11	Observation Result Status	F	Value-Test Case Fixed

OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	4	Value-Profile Fixed
OBX-2	Value Type	NM	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	3141-9	Value-Profile Fixed
OBX-3.2	Text	Weight	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-5	Observation Value	128	Value-Test Case Fixed
OBX-6	Units		
OBX-6.1	Identifier	[lb_av]	Value-Test Case Fixed
OBX-6.2	Text	pound	Presence-Test Case Proper
OBX-6.3	Name of Coding System	UCUM	Value-Profile Fixed
OBX-11	Observation Result Status	F	Value-Test Case Fixed

OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	5	Value-Profile Fixed
OBX-2	Value Type	CWE	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	72166-2	Value-Test Case Fixed
OBX-3.2	Text	Tobacco Smoking Status	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-5	Observation Value		
OBX-5.1	Identifier	266927001	Value-Test Case Fixed
OBX-5.2	Text	Unknown if ever smoked	Presence-Test Case Proper
OBX-5.3	Name of Coding System	SCT	Value-Profile Fixed
OBX-5.4	Alternate Identifier		Indifferent
OBX-5.5	Alternate Text		Indifferent
OBX-5.6	Name of Alternate Coding System		Indifferent
OBX-5.9	Original Text		Indifferent
OBX-6	Units		
OBX-6.1	Identifier		NonPresence
OBX-6.2	Text		NonPresence
OBX-6.3	Name of Coding System		NonPresence
OBX-11	Observation Result Status	F	Value-Test Case Fixed

Test Data Specification

Patient Information

Element	Data
Name	Unspecified
Sex	Female
Race	White
City	
State	
Zip Code	
Country	
County/Parish Code	
Patient Death Date and Time	
Patient Death Indicator	

Visit Information

Element	Data
Admit or Encounter Reason	Pedal cycle driver injured in collision with car, pick-up truck or van in traffic accident, initial encounter
Admit Date and Time	07/17/2012 5:00 PM
Patient Class	Emergency
Diagnosis Type	

Observations[*]

Observation Results Information

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

Observation Results Information

Element	Data
Observation Identifier	Height
Observation Value	65
Units	inch
Observation Results Status	Final results; Can only be changed with a corrected result.

Observation Results Information

Element	Data
Observation Identifier	Weight
Observation Value	128
Units	pound
Observation Results Status	Final results; Can only be changed with a corrected result.

Observation Results Information

Element	Data
Observation Identifier	Tobacco Smoking Status
Observation Value	Unknown if ever smoked
Units	
Observation Results Status	Final results; Can only be changed with a corrected result.

2.1.2. SS-ED-2.2_Update_A08

ED sends updated Syndromic Surveillance message to state health department.

Test Story

Description
Physical examination, CT scan of the head and neck reveal a fracture to the base of the patient's skull and massive intracranial bleeding. While the patient's examination and diagnostic tests are proceeding an emergency room tech uncovers the patient's driver's license among the belongings brought to the ED by the paramedics. At 5:20 PM the patient's medical record is updated with working diagnosis ICD-10 codes S02.112A (Type III occipital condyle fracture, initial encounter for closed fracture) and S06.9X3A (Unspecified intracranial injury with loss of consciousness of 1 hour to 5 hours 59 minutes, initial encounter). Also at this time, the patient's license is used to update the medical record with name and date of birth. Western Regional Medical Center reports syndromic surveillance data to the state health department (SHD). At 5:30 PM on July 17, 2012 the hospital's electronic health record module for syndromic surveillance data assembles and transmits an ADT 08 Update message about this encounter to SHD.

Comments
This Test Case provides an example of an ED visit where the patient's demographic information is unavailable at registration, admit/encounter reason is captured as a coded value using an ICD-10 CM code, two working diagnoses and a final diagnosis are captured using ICD-10 CM codes, and the patient dies. The dates and times in this test case illustrate the sequence of clinical and messaging events. Since the exact dates and times are not reproducible when modeling the test case with a Health IT Module, only date and time format will be validated within tester submitted test data. ICD-10 CM diagnosis codes are acceptable with or without decimals.

Pre Condition
A04-Registration message is sent before the A08-Update message.

Post Condition
No PostCondition

Test Objectives
This test case examines a Health IT Module's ability to create ADT^A08 Update message within PHIN Messaging Guide's conformance requirements

Evaluation Criteria
No evaluation criteria

Notes for Testers
HIT developers must demonstrate that their system supports ICD-9CM, ICD-10CM, and SNOMED CT value sets in order to be conformant to the PHIN Syndromic Surveillance Messaging Guide, Rel2.0, April 2015. If an HIT developer identifies Emergency Department as the only health care setting applicable to their system, the Tester must execute the certification testing for this Test Step by having the system create messages (1) using the ICD-10CM codes provided in the test data for PV2-3 and DG1-3 in a test message, (2) using clinically appropriate (equivalent to the ICD-10CM codes provided in the test data) and valid ICD-9CM codes provided by the vendor for PV2-3 and DG1-3 in a test message, and (3) using clinically appropriate (equivalent to the ICD-10CM codes provided in the test data) and valid SNOMED CT codes

provided by the vendor for PV2-3 and DG1-3 in a test message. The Tester must perform visual inspection of the test messages created by the system in order to determine whether PV2-3 and DG1-3 fields are populated with appropriate and valid ICD-9CM and SNOMED CT codes.

ICD-10CM codes are provided in the test data for coding the admit/encounter reason and working diagnoses. If the vendor uses different but equivalent ICD-10CM codes than the ones provided, the Tester may ignore errors generated by the Test Tool related to incorrect code when the ICD-10 codes used in the message are determined to be valid codes.

ICD-10CM and ICD-9CM diagnosis codes are acceptable with or without decimals.

Visit Number ID (PV1-19.1) must be populated with the same value for all messages included in this Test Case to reflect the requirement in real-world installations. Test Tool does not automatically test for this requirement, so Testers must manually inspect the messages to verify that PV1-19.1 is the same for all Test Step messages for a given Test Case.

Message Contents

MSH : Message Header

Location	Data Element	Data	Categorization
MSH-1	Field Separator	|	Value-Profile Fixed
MSH-2	Encoding Characters	^~\&	Value-Profile Fixed
MSH-4	Sending Facility		
MSH-4.1	Namespace ID	WstrnRgnlMedCntr	Presence-Configuration
MSH-4.2	Universal ID	1231231235	Presence-Configuration
MSH-4.3	Universal ID Type	NPI	Presence-Configuration
MSH-7	Date/Time Of Message		
MSH-7.1	Time	201207171730	Presence-System Generated
MSH-9	Message Type		
MSH-9.1	Message Code	ADT	Value-Profile Fixed
MSH-9.2	Trigger Event	A08	Value-Profile Fixed
MSH-9.3	Message Structure	ADT_A01	Value-Profile Fixed
MSH-10	Message Control ID	NIST-SS-002.21	Presence-System Generated
MSH-11	Processing ID		
MSH-11.1	Processing ID	P	Presence-Content Indifferent
MSH-12	Version ID		
MSH-12.1	Version ID	2.5.1	Value-Profile Fixed
MSH-15	Accept Acknowledgment Type	AL	Value-Profile Fixed
MSH-16	Application Acknowledgment Type		Indifferent
MSH-21	Message Profile Identifier		
MSH-21.1	Entity Identifier	PH_SS-Ack	Value-Profile Fixed
MSH-21.2	Namespace ID	SS Sender	Value-Profile Fixed
MSH-21.3	Universal ID	2.16.840.1.114222.4.10.3	Value-Profile Fixed
MSH-21.4	Universal ID Type	ISO	Value-Profile Fixed

EVN : Event Type

Location	Data Element	Data	Categorization
EVN-2	Recorded Date/Time		
EVN-2.1	Time	201207171720	Presence-System Generated
EVN-7	Event Facility		
EVN-7.1	Namespace ID	WstrnRgnlMedCntr	Presence-Configuration
EVN-7.2	Universal ID	1231231235	Presence-Configuration
EVN-7.3	Universal ID Type	NPI	Presence-Configuration

PID : Patient Identification

Location	Data Element	Data	Categorization
PID-1	Set ID - PID	1	Value-Profile Fixed
PID-3	Patient Identifier List		
PID-3.1	ID Number	222	Presence-Content Indifferent
PID-3.4	Assigning Authority		
PID-3.4.1	Namespace ID	WstrnRgnlMedCntr	Presence-Content Indifferent
PID-3.4.2	Universal ID	1231231235	Presence-Content Indifferent
PID-3.4.3	Universal ID Type	NPI	Presence-Configuration
PID-5[1]	Patient Name		
PID-5[1].7	Name Type Code		NonPresence
PID-5[2]	Patient Name		
PID-5[2].7	Name Type Code	S	Value-Test Case Fixed
PID-8	Administrative Sex	F	Value-Test Case Fixed
PID-10	Race		
PID-10.1	Identifier	2106-3	Value-Test Case Fixed
PID-10.2	Text	White	Presence-Test Case Proper
PID-10.3	Name of Coding System	CDCREC	Value-Profile Fixed
PID-11	Patient Address		
PID-11.3	City	Chicago	Presence-Content Indifferent
PID-11.4	State or Province	17	Presence-Content Indifferent
PID-11.5	Zip or Postal Code	60601	Presence-Content Indifferent
PID-11.6	Country	USA	Presence-Content Indifferent
PID-11.9	County/Parish Code		Indifferent
PID-22	Ethnic Group		
PID-22.1	Identifier		Indifferent
PID-22.2	Text		Indifferent
PID-22.3	Name of Coding System		Indifferent
PID-29	Patient Death Date and Time		
PID-29.1	Time		NonPresence
PID-30	Patient Death Indicator		NonPresence

PV1 : Patient Visit

Location	Data Element	Data	Categorization
PV1-1	Set ID - PV1	1	Value-Profile Fixed
PV1-2	Patient Class	E	Value-Test Case Fixed
PV1-19	Visit Number		
PV1-19.1	ID Number	20120709_0064	Presence-Content Indifferent
PV1-19.4	Assigning Authority		
PV1-19.4.1	Namespace ID	WstrnRgnlMedCntr	Presence-Content Indifferent
PV1-19.4.2	Universal ID	1231231235	Presence-Content Indifferent
PV1-19.4.3	Universal ID Type	NPI	Presence-Configuration
PV1-36	Discharge Disposition		NonPresence
PV1-44	Admit Date/Time		
PV1-44.1	Time	201207171700	Presence-Content Indifferent
PV1-45	Discharge Date/Time		
PV1-45.1	Time		NonPresence

PV2 : Patient Visit - Additional Information

Location	Data Element	Data	Categorization
PV2-3	Admit Reason		
PV2-3.1	Identifier	V134XXA	Value-Test Case Fixed List
PV2-3.2	Text	Pedal cycle driver injured in collision with car, pick-up truck or van in traffic accident, initial encounter	Presence-Test Case Proper
PV2-3.3	Name of Coding System	I10C	Value-Test Case Fixed

OBX[*]

OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	1	Value-Profile Fixed
OBX-2	Value Type	CWE	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	SS003	Value-Test Case Fixed
OBX-3.2	Text	Facility/Visit Type	Presence-Test Case Proper
OBX-3.3	Name of Coding System	PHINQUESTION	Value-Profile Fixed
OBX-5	Observation Value		
OBX-5.1	Identifier	261QE0002X	Value-Test Case Fixed
OBX-5.2	Text	Emergency Care	Presence-Test Case Proper
OBX-5.3	Name of Coding System	HCPTNUCC	Value-Profile Fixed
OBX-5.4	Alternate Identifier		Indifferent
OBX-5.5	Alternate Text		Indifferent
OBX-5.6	Name of Alternate Coding System		Indifferent
OBX-5.9	Original Text		Indifferent
OBX-6	Units		
OBX-6.1	Identifier		NonPresence
OBX-6.2	Text		NonPresence
OBX-6.3	Name of Coding System		NonPresence
OBX-11	Observation Result Status	F	Value-Test Case Fixed

OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	2	Value-Profile Fixed
OBX-2	Value Type	NM	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	21612-7	Value-Profile Fixed
OBX-3.2	Text	Age at Time Patient Reported	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-5	Observation Value	35	Value-Test Case Fixed
OBX-6	Units		
OBX-6.1	Identifier	a	Value-Test Case Fixed
OBX-6.2	Text	year	Presence-Test Case Proper
OBX-6.3	Name of Coding System	UCUM	Value-Profile Fixed
OBX-11	Observation Result Status	F	Value-Test Case Fixed

OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	3	Value-Profile Fixed
OBX-2	Value Type	NM	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	8302-2	Value-Profile Fixed
OBX-3.2	Text	Height	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-5	Observation Value	65	Value-Test Case Fixed
OBX-6	Units		
OBX-6.1	Identifier	[in_us]	Value-Test Case Fixed
OBX-6.2	Text	inch	Presence-Test Case Proper
OBX-6.3	Name of Coding System	UCUM	Value-Profile Fixed
OBX-11	Observation Result Status	F	Value-Test Case Fixed

OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	4	Value-Profile Fixed
OBX-2	Value Type	NM	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	3141-9	Value-Profile Fixed
OBX-3.2	Text	Weight	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-5	Observation Value	128	Value-Test Case Fixed
OBX-6	Units		
OBX-6.1	Identifier	[lb_av]	Value-Test Case Fixed
OBX-6.2	Text	pound	Presence-Test Case Proper
OBX-6.3	Name of Coding System	UCUM	Value-Profile Fixed
OBX-11	Observation Result Status	F	Value-Test Case Fixed

OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	5	Value-Profile Fixed
OBX-2	Value Type	CWE	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	72166-2	Value-Profile Fixed
OBX-3.2	Text	Tobacco Smoking Status	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-5	Observation Value		
OBX-5.1	Identifier	266927001	Value-Test Case Fixed
OBX-5.2	Text	Unknown if ever smoked	Presence-Test Case Proper
OBX-5.3	Name of Coding System	SCT	Value-Profile Fixed
OBX-5.4	Alternate Identifier		Indifferent
OBX-5.5	Alternate Text		Indifferent
OBX-5.6	Name of Alternate Coding System		Indifferent
OBX-5.9	Original Text		Indifferent
OBX-6	Units		
OBX-6.1	Identifier		NonPresence
OBX-6.2	Text		NonPresence
OBX-6.3	Name of Coding System		NonPresence
OBX-11	Observation Result Status	F	Value-Test Case Fixed

DG1[*]

DG1 : Diagnosis

Location	Data Element	Data	Categorization
DG1-1	Set ID - DG1	1	Value-Profile Fixed
DG1-3	Diagnosis Code - DG1		
DG1-3.1	Identifier	S02112A	Value-Test Case Fixed List
DG1-3.2	Text	Type III occipital condyle fracture, initial encounter for closed fracture	Presence-Test Case Proper
DG1-3.3	Name of Coding System	I10C	Value-Test Case Fixed
DG1-6	Diagnosis Type	W	Value-Test Case Fixed

DG1 : Diagnosis

Location	Data Element	Data	Categorization
DG1-1	Set ID - DG1	2	Value-Profile Fixed
DG1-3	Diagnosis Code - DG1		
DG1-3.1	Identifier	S069X3A	Value-Test Case Fixed List
DG1-3.2	Text	Unspecified intracranial injury with loss of consciousness of 1 hour to 5 hours 59 minutes, initial encounter	Presence-Test Case Proper
DG1-3.3	Name of Coding System	I10C	Value-Test Case Fixed
DG1-6	Diagnosis Type	W	Value-Test Case Fixed

Test Data Specification

Patient Information

Element	Data
Name	Coded Pseudo-Name to ensure anonymity
Sex	Female
Race	White
City	Chicago
State	Illinois
Zip Code	60601
Country	UNITED STATES
County/Parish Code	
Patient Death Date and Time	
Patient Death Indicator	

Visit Information

Element	Data
Admit or Encounter Reason	Pedal cycle driver injured in collision with car, pick-up truck or van in traffic accident, initial encounter
Admit Date and Time	07/17/2012 5:00 PM
Patient Class	Emergency
Discharge Disposition	
Discharge Date/Time	
Diagnosis Type	Working
Diagnosis	Type III occipital condyle fracture, initial encounter for closed fracture
Diagnosis	Unspecified intracranial injury with loss of consciousness of 1 hour to 5 hours 59 minutes, initial encounter

Observations[*]

Observation Results Information

Element	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	Data
Observation Identifier	Age Time Patient Reported
Observation Value	35
Units	year
Observation Results Status	Final results; Can only be changed with a corrected result.

Observation Results Information

Element	Data
Observation Identifier	Height
Observation Value	65
Units	inch
Observation Results Status	Final results; Can only be changed with a corrected result.

Observation Results Information

Element	Data
Observation Identifier	Weight
Observation Value	128
Units	pound
Observation Results Status	Final results; Can only be changed with a corrected result.

Observation Results Information

Element	Data
Observation Identifier	Tobacco Smoking Status
Observation Value	Unknown if ever smoked
Units	
Observation Results Status	Final results; Can only be changed with a corrected result.

2.1.3. SS-ED-2.3_Discharge_A03

Expired patient is discharged (dispositioned).

Test Story

Description
At 5:41 PM, the patient dies. The working diagnoses (ICD-10-CM S02.112A and S06.9X3A) are resolved/inactivated, and the final diagnoses are S06.0X8A (Concussion with LOC of any duration with death due to other cause prior to regaining consciousness) and S02.112A (Type III occipital condyle fracture, initial encounter for closed fracture). Western Regional Medical Center reports syndromic surveillance data to the state health department (SHD). At 6:00 PM on July 17, 2012 the hospital's electronic health record module for syndromic surveillance data assembles and transmits an ADT^A03 Discharge message about this encounter to SHD.

Comments
This Test Case provides an example of an ED visit where the patient's demographic information is unavailable at registration, admit/encounter reason is captured as a coded value using an ICD-10 CM code, two working diagnoses and a final diagnosis are captured using ICD-10 CM codes, and the patient dies. The dates and times in this test case illustrate the sequence of clinical and messaging events. Since the exact dates and times are not reproducible when modeling the test case with a Health IT Module, only date and time format will be validated within tester submitted test data. ICD-10 CM diagnosis codes are acceptable with or without decimals.

Pre Condition
A08-Update message is sent before the A03-Discharge message.

Post Condition
No PostCondition

Test Objectives
This test case examines a Health IT Module's ability to create ADT^A03 Discharge message within PHIN Messaging Guide's conformance requirements for emergency department (ED) data.

Evaluation Criteria
No evaluation criteria

Notes for Testers
HIT developers must demonstrate that their system supports ICD-9CM, ICD-10CM, and SNOMED CT value sets in order to be conformant to the PHIN Syndromic Surveillance Messaging Guide, Rel2.0, April 2015. If an HIT developer identifies Emergency Department as the only health care setting applicable to their system, the Tester must execute the certification testing for this Test Step by having the system create messages (1) using the ICD-10CM codes provided in the test data for PV2-3 and DG1-3 in a test message, (2) using clinically appropriate (equivalent to the ICD-10CM codes provided in the test data) and valid ICD-9CM codes provided by the vendor for PV2-3 and DG1-3 in a test message, and (3) using clinically appropriate (equivalent to the ICD-10CM codes provided in the test data) and valid SNOMED CT codes provided by the vendor for PV2-3 and DG1-3 in a test message. The Tester must perform visual inspection of the test messages created by the system in order to determine whether PV2-3 and DG1-3 fields are populated with appropriate and valid ICD-9CM and SNOMED CT codes. ICD-10 CM codes are used for coding the admit/encounter reason and final diagnoses. If the

vendor uses different but equivalent ICD-10CM codes than the ones provided, the Tester may ignore errors generated by the Test Tool related to incorrect code when the ICD-10 CM codes used in the message are determined to be valid codes.

ICD-10CM and ICD-9CM diagnosis codes are acceptable with or without decimals.

This Test Step does not prescribe the method used by the Health IT Module to change a working diagnosis to a final diagnosis. The Test Step only validates a specific ADT message type.

Visit Number ID (PV1-19.1) must be populated with the same value for all messages included in this Test Case to reflect the requirement in real-world installations. Test Tool does not automatically test for this requirement, so Testers must manually inspect the messages to verify that PV1-19.1 is the same for all Test Step messages for a given Test Case.

Message Contents

MSH : Message Header

Location	Data Element	Data	Categorization
MSH-1	Field Separator	|	Value-Profile Fixed
MSH-2	Encoding Characters	^~\&	Value-Profile Fixed
MSH-4	Sending Facility		
MSH-4.1	Namespace ID	WstrnRgnlMedCntr	Presence-Configuration
MSH-4.2	Universal ID	1231231235	Presence-Configuration
MSH-4.3	Universal ID Type	NPI	Presence-Configuration
MSH-7	Date/Time Of Message		
MSH-7.1	Time	201207171800	Presence-System Generated
MSH-9	Message Type		
MSH-9.1	Message Code	ADT	Value-Profile Fixed
MSH-9.2	Trigger Event	A03	Value-Profile Fixed
MSH-9.3	Message Structure	ADT_A03	Value-Profile Fixed
MSH-10	Message Control ID	NIST-SS-002.31	Presence-System Generated
MSH-11	Processing ID		
MSH-11.1	Processing ID	P	Presence-Content Indifferent
MSH-12	Version ID		
MSH-12.1	Version ID	2.5.1	Value-Profile Fixed
MSH-15	Accept Acknowledgment Type	AL	Value-Profile Fixed
MSH-16	Application Acknowledgment Type		Indifferent
MSH-21	Message Profile Identifier		
MSH-21.1	Entity Identifier	PH_SS-Ack	Value-Profile Fixed
MSH-21.2	Namespace ID	SS Sender	Value-Profile Fixed
MSH-21.3	Universal ID	2.16.840.1.114222.4.10.3	Value-Profile Fixed
MSH-21.4	Universal ID Type	ISO	Value-Profile Fixed

EVN : Event Type

Location	Data Element	Data	Categorization
EVN-2	Recorded Date/Time		
EVN-2.1	Time	201207171800	Presence-System Generated
EVN-7	Event Facility		
EVN-7.1	Namespace ID	WstrnRgnlMedCntr	Presence-Configuration
EVN-7.2	Universal ID	1231231235	Presence-Configuration
EVN-7.3	Universal ID Type	NPI	Presence-Configuration

PID : Patient Identification

Location	Data Element	Data	Categorization
PID-1	Set ID - PID	1	Value-Profile Fixed
PID-3	Patient Identifier List		
PID-3.1	ID Number	222	Presence-Content Indifferent
PID-3.4	Assigning Authority		
PID-3.4.1	Namespace ID	WstrnRgnlMedCntr	Presence-Content Indifferent
PID-3.4.2	Universal ID	1231231235	Presence-Content Indifferent
PID-3.4.3	Universal ID Type	NPI	Presence-Configuration
PID-5[1]	Patient Name		
PID-5[1].7	Name Type Code		NonPresence
PID-5[2]	Patient Name		
PID-5[2].7	Name Type Code	S	Value-Test Case Fixed
PID-8	Administrative Sex	F	Value-Test Case Fixed
PID-10	Race		
PID-10.1	Identifier	2106-3	Value-Test Case Fixed
PID-10.2	Text		Indifferent
PID-10.3	Name of Coding System	CDCREC	Value-Profile Fixed
PID-11	Patient Address		
PID-11.3	City	Chicago	Presence-Content Indifferent
PID-11.4	State or Province	17	Presence-Content Indifferent
PID-11.5	Zip or Postal Code	60601	Presence-Content Indifferent
PID-11.6	Country	USA	Presence-Content Indifferent
PID-11.9	County/Parish Code		Indifferent
PID-22	Ethnic Group		
PID-22.1	Identifier		Indifferent
PID-22.2	Text		Indifferent
PID-22.3	Name of Coding System		Indifferent
PID-29	Patient Death Date and Time		
PID-29.1	Time	201207171741	Presence-Content Indifferent
PID-30	Patient Death Indicator	Y	Value-Profile Fixed

PV1 : Patient Visit

Location	Data Element	Data	Categorization
PV1-1	Set ID - PV1	1	Value-Profile Fixed
PV1-2	Patient Class	E	Value-Test Case Fixed
PV1-19	Visit Number		
PV1-19.1	ID Number	20120709_0064	Presence-Content Indifferent
PV1-19.4	Assigning Authority		
PV1-19.4.1	Namespace ID	WstrnRgnlMedCntr	Presence-Content Indifferent
PV1-19.4.2	Universal ID	1231231235	Presence-Content Indifferent
PV1-19.4.3	Universal ID Type	NPI	Presence-Configuration
PV1-36	Discharge Disposition	20	Value-Test Case Fixed
PV1-44	Admit Date/Time		
PV1-44.1	Time	201207171700	Presence-Content Indifferent
PV1-45	Discharge Date/Time		
PV1-45.1	Time	201207171800	Presence-Content Indifferent

PV2 : Patient Visit - Additional Information

Location	Data Element	Data	Categorization
PV2-3	Admit Reason		
PV2-3.1	Identifier	V134XXA	Value-Test Case Fixed List
PV2-3.2	Text	Pedal cycle driver injured in collision with car, pick-up truck or van in traffic accident, initial encounter	Presence-Test Case Proper
PV2-3.3	Name of Coding System	I10C	Value-Test Case Fixed

DG1[*]

DG1 : Diagnosis

Location	Data Element	Data	Categorization
DG1-1	Set ID - DG1	1	Value-Profile Fixed
DG1-3	Diagnosis Code - DG1		
DG1-3.1	Identifier	S060X8A	Value-Test Case Fixed List
DG1-3.2	Text	Concussion with LOC of any duration with death due to other cause prior to regaining consciousness	Presence-Test Case Proper
DG1-3.3	Name of Coding System	I10C	Value-Test Case Fixed
DG1-6	Diagnosis Type	F	Value-Test Case Fixed

DG1 : Diagnosis

Location	Data Element	Data	Categorization
DG1-1	Set ID - DG1	2	Value-Profile Fixed
DG1-3	Diagnosis Code - DG1		
DG1-3.1	Identifier	S02112A	Value-Test Case Fixed List
DG1-3.2	Text	Type III occipital condyle fracture, initial encounter for closed fracture	Presence-Test Case Proper
DG1-3.3	Name of Coding System	I10C	Value-Test Case Fixed
DG1-6	Diagnosis Type	F	Value-Test Case Fixed

OBX[*]

OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	1	Value-Profile Fixed
OBX-2	Value Type	CWE	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	SS003	Value-Test Case Fixed
OBX-3.2	Text	Facility/Visit Type	Presence-Test Case Proper
OBX-3.3	Name of Coding System	PHINQUESTION	Value-Profile Fixed
OBX-5	Observation Value		
OBX-5.1	Identifier	261QE0002X	Value-Test Case Fixed
OBX-5.2	Text	Emergency Care	Presence-Test Case Proper
OBX-5.3	Name of Coding System	HCPTNUCC	Value-Profile Fixed
OBX-5.4	Alternate Identifier		Indifferent
OBX-5.5	Alternate Text		Indifferent
OBX-5.6	Name of Alternate Coding System		Indifferent
OBX-5.9	Original Text		Indifferent
OBX-6	Units		
OBX-6.1	Identifier		NonPresence
OBX-6.2	Text		NonPresence
OBX-6.3	Name of Coding System		NonPresence
OBX-11	Observation Result Status	F	Value-Test Case Fixed

OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	2	Value-Profile Fixed
OBX-2	Value Type	NM	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	21612-7	Value-Profile Fixed
OBX-3.2	Text	Age at Time Patient Reported	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-5	Observation Value	35	Value-Test Case Fixed
OBX-6	Units		
OBX-6.1	Identifier	a	Value-Test Case Fixed
OBX-6.2	Text	year	Presence-Test Case Proper
OBX-6.3	Name of Coding System	UCUM	Value-Profile Fixed
OBX-11	Observation Result Status	F	Value-Test Case Fixed

OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	3	Value-Profile Fixed
OBX-2	Value Type	NM	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	8302-2	Value-Profile Fixed
OBX-3.2	Text	Height	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-5	Observation Value	65	Value-Test Case Fixed
OBX-6	Units		
OBX-6.1	Identifier	[in_us]	Value-Test Case Fixed
OBX-6.2	Text	inch	Presence-Test Case Proper
OBX-6.3	Name of Coding System	UCUM	Value-Profile Fixed
OBX-11	Observation Result Status	F	Value-Test Case Fixed

OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	4	Value-Profile Fixed
OBX-2	Value Type	NM	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	3141-9	Value-Profile Fixed
OBX-3.2	Text	Weight	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-5	Observation Value	128	Value-Test Case Fixed
OBX-6	Units		
OBX-6.1	Identifier	[lb_av]	Value-Test Case Fixed
OBX-6.2	Text	pound	Presence-Test Case Proper
OBX-6.3	Name of Coding System	UCUM	Value-Profile Fixed
OBX-11	Observation Result Status	F	Value-Test Case Fixed

OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	5	Value-Profile Fixed
OBX-2	Value Type	CWE	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	72166-2	Value-Profile Fixed
OBX-3.2	Text	Tobacco Smoking Status	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-5	Observation Value		
OBX-5.1	Identifier	266927001	Value-Test Case Fixed
OBX-5.2	Text	Unknown if ever smoked	Presence-Test Case Proper
OBX-5.3	Name of Coding System	SCT	Value-Profile Fixed
OBX-5.4	Alternate Identifier		Indifferent
OBX-5.5	Alternate Text		Indifferent
OBX-5.6	Name of Alternate Coding System		Indifferent
OBX-5.9	Original Text		Indifferent
OBX-6	Units		
OBX-6.1	Identifier		NonPresence
OBX-6.2	Text		NonPresence
OBX-6.3	Name of Coding System		NonPresence
OBX-11	Observation Result Status	F	Value-Test Case Fixed

Test Data Specification

Patient Information

Element	Data
Name	Coded Pseudo-Name to ensure anonymity
Sex	Female
Race	White
City	Chicago
State	Illinois
Zip Code	60601
Country	UNITED STATES
County/Parish Code	
Patient Death Date and Time	07/17/2012 5:41 PM
Patient Death Indicator	Yes

Visit Information

Element	Data
Admit or Encounter Reason	Pedal cycle driver injured in collision with car, pick-up truck or van in traffic accident, initial encounter
Admit Date and Time	07/17/2012 5:00 PM
Patient Class	Emergency
Discharge Disposition	Expired
Discharge Date/Time	07/17/2012 6:00 PM
Diagnosis Type	Final
Diagnosis	Concussion with LOC of any duration with death due to other cause prior to regaining consciousness
Diagnosis	Type III occipital condyle fracture, initial encounter for closed fracture

Observations[*]

Observation Results Information

Element	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	Data
Observation Identifier	Age Time Patient Reported
Observation Value	35
Units	year
Observation Results Status	Final results; Can only be changed with a corrected result.

Observation Results Information

Element	Data
Observation Identifier	Height
Observation Value	65
Units	inch
Observation Results Status	Final results; Can only be changed with a corrected result.

Observation Results Information

Element	Data
Observation Identifier	Weight
Observation Value	128
Units	pound
Observation Results Status	Final results; Can only be changed with a corrected result.

Observation Results Information

Element	Data
Observation Identifier	Tobacco Smoking Status
Observation Value	Unknown if ever smoked
Units	
Observation Results Status	Final results; Can only be changed with a corrected result.

3. ED Visit with Inpatient Admission

Patient seen in ED and admitted to hospital.

3.1. SS-ED-3_ED_ Visit_Patient_Admitted

ED Visit with addmission for HBOT.

Test Story

Description
Syndromic surveillance is public health surveillance that emphasizes the use of near "real-time" health data and statistical tools for disease or hazardous event detection, situation awareness for mass gatherings and public health emergencies, and ad hoc and population health trend analyses. For syndromic surveillance purposes, required data on all clinical encounters must be sent to the jurisdictional public health agency within 24 hours of the start of any given encounter, and in accordance with local or state laws and practices. The ED Visit with Admit Test Case provides an example of an ED visit for which the patient's chief complaint is captured as free-text, working diagnosis and final diagnosis are captured with SNOMED CT codes, the patient is discharged from the ED and admitted for inpatient care, and the Admit/Encounter Reason is captured with a SNOMED CT code. In this test case, a disoriented, elderly male is brought to the emergency department on the day following a blizzard that caused power outages. He was nearly unconscious when found in his kitchen next to a gas oven. He states that he has a headache, nausea, and dizziness. The physician diagnoses him with carbon monoxide poisoning and orders him to be admitted as an inpatient for hyperbaric oxygen therapy. He is discharged from the ED and prepared for admission. Syndromic surveillance data about the visit are transmitted to the state health department. This test case involves 4 steps: a registration message (ADT^A04), an update message (ADT^A08), a discharge message (ADT^A03), and an admission message (ADT^A01).

Comments
No Comments

Pre Condition
No PreCondition

Post Condition
No PostCondition

Test Objectives
No Test Objectives

Evaluation Criteria
No evaluation criteria

Notes for Testers
No Note

3.1.1. SS-ED-3.1_Registration_A04

Patient is registered in the ED.

Test Story

Description
A disoriented 70 year-old male is brought by his neighbor to Southern Midwest Medical Center's Emergency Department at 7:30 AM on February 1, 2010, the day following a blizzard that caused power outages in many city neighborhoods. The patient is complaining of "a headache, nausea, and dizziness". The neighbor explains that he was concerned about the patient since the building's electric heating system was not working. At 7:00 AM, he entered the patient's apartment and found the patient unconscious in the kitchen next to a fully lit gas oven and stove running at high. A clerical assistant registers the patient with the neighbor's help. She records the patient's name, date of birth, race, ethnicity, residence, insurance information, and health history. The clerical assistant also enters the patient's chief complaint as, "A headache, nausea, and dizziness". Southern Midwest Medical Center reports syndromic surveillance data to the state health department (SHD). At 7:45 AM on February 1, 2010, the hospital's electronic health record module for syndromic surveillance data assembles and transmits a Registration message about this encounter to SHD.

Comments
This Test Case provides an example of an ED visit for which the patient's chief complaint is captured as free-text, working diagnosis and final diagnosis are captured with SNOMED CT codes, the patient is discharged from the ED and admitted for inpatient care, and the Admit/Encounter Reason is captured with a SNOMED CT code. Dates and times are provided in this test case to illustrate the sequence of clinical and messaging events. Since the exact dates and times are not reproducible when modeling the Test Case with a Health IT Module, only date and time format will be validated within tester submitted test data.

Pre Condition
No PreCondition

Post Condition
No PostCondition

Test Objectives
This test case examines a Health IT Module's ability to create ADT A04-Registration message within the PHIN Messaging Guide's conformance requirements for syndromic surveillance.

Evaluation Criteria
No evaluation criteria

Notes for Testers
Visit Number ID (PV1-19.1) for the ADT^A04, ADT^A08, and ADT^A03 messages in this Test Case must be populated with the same value to reflect the requirement in real-world installations. The Test Tool does not automatically test for this requirement, so Testers must manually inspect the messages to verify that the PV1-19.1 value is the same for the first three Test Step messages for this Test Case.

Message Contents

MSH : Message Header

Location	Data Element	Data	Categorization
MSH-1	Field Separator	|	Value-Profile Fixed
MSH-2	Encoding Characters	^~\&	Value-Profile Fixed
MSH-4	Sending Facility		
MSH-4.1	Namespace ID	SthrnMdwstMedCntr	Presence-Configuration
MSH-4.2	Universal ID	1231231236	Presence-Configuration
MSH-4.3	Universal ID Type	NPI	Presence-Configuration
MSH-7	Date/Time Of Message		
MSH-7.1	Time	201002010745	Presence-System Generated
MSH-9	Message Type		
MSH-9.1	Message Code	ADT	Value-Profile Fixed
MSH-9.2	Trigger Event	A04	Value-Profile Fixed
MSH-9.3	Message Structure	ADT_A01	Value-Profile Fixed
MSH-10	Message Control ID	NIST-SS-003.11	Presence-System Generated
MSH-11	Processing ID		
MSH-11.1	Processing ID	P	Presence-Content Indifferent
MSH-12	Version ID		
MSH-12.1	Version ID	2.5.1	Value-Profile Fixed
MSH-15	Accept Acknowledgment Type	AL	Value-Profile Fixed
MSH-16	Application Acknowledgment Type		Indifferent
MSH-21	Message Profile Identifier		
MSH-21.1	Entity Identifier	PH_SS-Ack	Value-Profile Fixed
MSH-21.2	Namespace ID	SS Sender	Value-Profile Fixed
MSH-21.3	Universal ID	2.16.840.1.114222.4.10.3	Value-Profile Fixed
MSH-21.4	Universal ID Type	ISO	Value-Profile Fixed

EVN : Event Type

Location	Data Element	Data	Categorization
EVN-2	Recorded Date/Time		
EVN-2.1	Time	201002010745	Presence-System Generated
EVN-7	Event Facility		
EVN-7.1	Namespace ID	SthrnMdwstMedCntr	Presence-Configuration
EVN-7.2	Universal ID	1231231236	Presence-Configuration
EVN-7.3	Universal ID Type	NPI	Presence-Configuration

PID : Patient Identification

Location	Data Element	Data	Categorization
PID-1	Set ID - PID	1	Value-Profile Fixed
PID-3	Patient Identifier List		
PID-3.1	ID Number	3333	Presence-Content Indifferent
PID-3.4	Assigning Authority		
PID-3.4.1	Namespace ID	SthrnMdwstMedCntr	Presence-Content Indifferent
PID-3.4.2	Universal ID	1231231236	Presence-Content Indifferent
PID-3.4.3	Universal ID Type	NPI	Presence-Configuration
PID-5[1]	Patient Name		
PID-5[1].7	Name Type Code		NonPresence
PID-5[2]	Patient Name		
PID-5[2].7	Name Type Code	S	Value-Test Case Fixed
PID-8	Administrative Sex	M	Value-Test Case Fixed
PID-10[1]	Race		
PID-10[1].1	Identifier	2106-3	Value-Test Case Fixed
PID-10[1].2	Text	White	Presence-Test Case Proper
PID-10[1].3	Name of Coding System	CDCREC	Value-Profile Fixed
PID-10[2]	Race		
PID-10[2].1	Identifier	1002-5	Value-Test Case Fixed
PID-10[2].2	Text	American Indian or Alaska Native	Presence-Test Case Proper
PID-10[2].3	Name of Coding System	CDCREC	Value-Profile Fixed
PID-10[3]	Race		
PID-10[3].1	Identifier	2131-1	Value-Test Case Fixed
PID-10[3].2	Text	Other race	Presence-Test Case Proper
PID-10[3].3	Name of Coding System	CDCREC	Value-Profile Fixed
PID-11	Patient Address		
PID-11.3	City	Oklahoma City	Presence-Content Indifferent
PID-11.4	State or Province	40	Presence-Content Indifferent
PID-11.5	Zip or Postal Code	74852	Presence-Content Indifferent
PID-11.6	Country	USA	Presence-Content Indifferent
PID-11.9	County/Parish Code	40125	Presence-Content Indifferent
PID-22	Ethnic Group		
PID-22.1	Identifier	2186-5	Value-Test Case Fixed
PID-22.2	Text	Not Hispanic or Latino	Presence-Test Case Proper
PID-22.3	Name of Coding System	CDCREC	Value-Profile Fixed
PID-29	Patient Death Date and Time		
PID-29.1	Time		NonPresence
PID-30	Patient Death Indicator		NonPresence

PV1 : Patient Visit

Location	Data Element	Data	Categorization
PV1-1	Set ID - PV1	1	Value-Profile Fixed
PV1-2	Patient Class	E	Value-Test Case Fixed
PV1-19	Visit Number		
PV1-19.1	ID Number	3333_001	Presence-Content Indifferent
PV1-19.4	Assigning Authority		
PV1-19.4.1	Namespace ID	SthrnMdwstMedCntr	Presence-Content Indifferent
PV1-19.4.2	Universal ID	1231231236	Presence-Content Indifferent
PV1-19.4.3	Universal ID Type	NPI	Presence-Configuration
PV1-36	Discharge Disposition		NonPresence
PV1-44	Admit Date/Time		
PV1-44.1	Time	201002010730	Presence-Content Indifferent

OBX[*]

OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	1	Value-Profile Fixed
OBX-2	Value Type	CWE	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	SS003	Value-Test Case Fixed
OBX-3.2	Text	Facility/Visit Type	Presence-Test Case Proper
OBX-3.3	Name of Coding System	PHINQUESTION	Value-Profile Fixed
OBX-5	Observation Value		
OBX-5.1	Identifier	261QE0002X	Value-Test Case Fixed
OBX-5.2	Text	Emergency Care	Presence-Test Case Proper
OBX-5.3	Name of Coding System	HCPTNUCC	Value-Profile Fixed
OBX-5.4	Alternate Identifier		Indifferent
OBX-5.5	Alternate Text		Indifferent
OBX-5.6	Name of Alternate Coding System		Indifferent
OBX-5.9	Original Text		Indifferent
OBX-6	Units		
OBX-6.1	Identifier		NonPresence
OBX-6.2	Text		NonPresence
OBX-6.3	Name of Coding System		NonPresence
OBX-11	Observation Result Status	F	Value-Test Case Fixed

OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	2	Value-Profile Fixed
OBX-2	Value Type	NM	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	21612-7	Value-Profile Fixed
OBX-3.2	Text	Age at Time Patient Reported	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-5	Observation Value	70	Presence-Test Case Proper
OBX-6	Units		
OBX-6.1	Identifier	a	Value-Test Case Fixed
OBX-6.2	Text	year	Presence-Test Case Proper
OBX-6.3	Name of Coding System	UCUM	Value-Profile Fixed
OBX-11	Observation Result Status	F	Value-Test Case Fixed

OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	3	Value-Profile Fixed
OBX-2	Value Type	TX	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	8661-1	Value-Profile Fixed
OBX-3.2	Text	Chief complaint:Find:Pt:Patient:Nom:Reported	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-5	Observation Value	A headache, nausea, and dizziness	Value-Test Case Fixed
OBX-6	Units		
OBX-6.1	Identifier		Indifferent
OBX-6.2	Text		Indifferent
OBX-6.3	Name of Coding System		Indifferent
OBX-11	Observation Result Status	F	Value-Test Case Fixed

OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	4	Value-Profile Fixed
OBX-2	Value Type	NM	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	8302-2	Value-Profile Fixed
OBX-3.2	Text	Height	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-5	Observation Value	65	Value-Test Case Fixed
OBX-6	Units		
OBX-6.1	Identifier	[in_us]	Value-Test Case Fixed
OBX-6.2	Text	inch	Presence-Test Case Proper
OBX-6.3	Name of Coding System	UCUM	Value-Profile Fixed
OBX-11	Observation Result Status	F	Value-Test Case Fixed

OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	5	Value-Profile Fixed
OBX-2	Value Type	NM	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	3141-9	Value-Profile Fixed
OBX-3.2	Text	Weight	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-5	Observation Value	170	Value-Test Case Fixed
OBX-6	Units		
OBX-6.1	Identifier	[lb_av]	Value-Test Case Fixed
OBX-6.2	Text	pound	Presence-Test Case Proper
OBX-6.3	Name of Coding System	UCUM	Value-Profile Fixed
OBX-11	Observation Result Status	F	Value-Test Case Fixed

OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	6	Value-Profile Fixed
OBX-2	Value Type	CWE	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	72166-2	Value-Test Case Fixed
OBX-3.2	Text	Tobacco Smoking Status	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-5	Observation Value		
OBX-5.1	Identifier	428061000124105	Value-Test Case Fixed
OBX-5.2	Text	Current Light tobacco smoker	Presence-Test Case Proper
OBX-5.3	Name of Coding System	SCT	Value-Profile Fixed
OBX-5.4	Alternate Identifier		Indifferent
OBX-5.5	Alternate Text		Indifferent
OBX-5.6	Name of Alternate Coding System		Indifferent
OBX-5.9	Original Text		Indifferent
OBX-6	Units		
OBX-6.1	Identifier		NonPresence
OBX-6.2	Text		NonPresence
OBX-6.3	Name of Coding System		NonPresence
OBX-11	Observation Result Status	F	Value-Test Case Fixed

Test Data Specification

Patient Information

Element	Data
Name	Coded Pseudo-Name to ensure anonymity
Sex	Male
Race1	White
Race2	American Indian or Alaska Native
Race3	Other race
Ethnic Group	Not Hispanic or Latino
City	Oklahoma City
State	Oklahoma
Zip Code	74852
Country	UNITED STATES
County/Parish Code	40125
Patient Death Date and Time	
Patient Death Indicator	

Visit Information

Element	Data
Admit or Encounter Reason	
Admit Date and Time	02/01/2010 7:30 AM
Patient Class	Emergency
Diagnosis Type	

Observations[*]

Observation Results Information

Element	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	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	Data
Observation Identifier	Chief complaint:Find:Pt:Patient:Nom:Reported
Observation Value	A headache, nausea, and dizziness
Units	
Observation Results Status	Final results; Can only be changed with a corrected result.

Observation Results Information

Element	Data
Observation Identifier	Height
Observation Value	65
Units	inch
Observation Results Status	Final results; Can only be changed with a corrected result.

Observation Results Information

Element	Data
Observation Identifier	Weight
Observation Value	170
Units	pound
Observation Results Status	Final results; Can only be changed with a corrected result.

Observation Results Information

Element	Data
Observation Identifier	Tobacco Smoking Status
Observation Value	Current Light tobacco smoker
Units	
Observation Results Status	Final results; Can only be changed with a corrected result.

3.1.2. SS-ED-3.2_Update_A08

ED sends updated Syndromic Surveillance message to state health department.

Test Story

Description
At 8:00 AM the attending physician determines, with lab results indicating that the patient is suffering from severe metabolic acidosis, that the patient has carbon monoxide poisoning. She orders a hospital admission for the patient to receive hyperbaric oxygen therapy (HBOT), overnight observation, and a full neurological assessment. At 8:10 AM, the physician updates the patient's record with a working diagnosis, coded with the SNOMED CT code 242383002 (accidental exposure to carbon monoxide), and orders admission for carbon monoxide poisoning. Southern Midwest Medical Center reports syndromic surveillance data to the city health department (CHD). At 8:15 AM on February 1, 2010, the hospital's electronic health record module for syndromic surveillance data assembles and transmits an Update message about this encounter to SHD.

Comments
This Test Case provides an example of an ED visit for which the patient's chief complaint is captured as free-text, working diagnosis and final diagnosis are captured with SNOMED CT codes, the patient is discharged from the ED and admitted for inpatient care, and the Admit/Encounter Reason is captured with a SNOMED CT code. Dates and times are provided in this test case to illustrate the sequence of clinical and messaging events. Since the exact dates and times are not reproducible when modeling the Test Case with a Health IT Module, only date and time format will be validated within tester submitted test data.

Pre Condition
A04-Registration message is sent before A08-Update message.

Post Condition

Test Objectives
This test case examines a Health IT Module's ability to create ADT^A08 Update message, within the parameters of the PHIN Messaging Guide's conformance requirements.

Evaluation Criteria
No evaluation criteria

Notes for Testers
HIT developers must demonstrate that their system supports ICD-9CM, ICD-10CM, and SNOMED CT value sets in order to be conformant to the PHIN Syndromic Surveillance Messaging Guide, Rel2.0, April 2015. If an HIT developer identifies Emergency Department as the only health care setting applicable to their system, the Tester must execute the certification testing for this Test Step by having the system create messages (1) using the SNOMED CT codes provided in the test data for DG1-3 in a test message, (2) using clinically appropriate (equivalent to the SNOMED CT codes provided in the test data) and valid ICD-9CM codes provided by the vendor for DG1-3 in a test message, and (3) using clinically appropriate (equivalent to the SNOMED CT codes provided in the test data) and valid ICD-10CM codes provided by the vendor for DG1-3 in a test message. The Tester must perform visual inspection of the test messages created by the system in order to determine whether DG1-3 fields are populated with appropriate and valid ICD-9CM and ICD-10CM codes.

A SNOMED CT code is used for coding the working diagnosis. The Tool is designed to accept the following SNOMED CT codes without generating an error related to the working diagnosis:
242383002 - Accidental exposure to carbon monoxide (used in Test Story)
420057003 - Accidental poisoning by carbon monoxide
95875007 - Exposure to carbon monoxide (event)

Any one of these codes may be used to populate DG1-3.1 in the test message without triggering an error notification in the Tool. If the vendor uses a different but equivalent SNOMED CT code than the ones listed, the Tester may ignore errors generated by the Test Tool related to incorrect code when the SNOMED CT code used in the message is determined to be a valid code.

ICD-9CM and ICD-10CM diagnosis codes are acceptable with or without decimals.

Visit Number ID (PV1-19.1) for the ADT^A04, ADT^A08, and ADT^A03 messages in this Test Case must be populated with the same value to reflect the requirement in real-world installations. The Test Tool does not automatically test for this requirement, so Testers must manually inspect the messages to verify that the PV1-19.1 value is the same for the first three Test Step messages for this Test Case.

Message Contents

MSH : Message Header

Location	Data Element	Data	Categorization
MSH-1	Field Separator	|	Value-Profile Fixed
MSH-2	Encoding Characters	^~\&	Value-Profile Fixed
MSH-4	Sending Facility		
MSH-4.1	Namespace ID	SthrnMdwstMedCntr	Presence-Configuration
MSH-4.2	Universal ID	1231231236	Presence-Configuration
MSH-4.3	Universal ID Type	NPI	Presence-Configuration
MSH-7	Date/Time Of Message		
MSH-7.1	Time	201002010815	Presence-System Generated
MSH-9	Message Type		
MSH-9.1	Message Code	ADT	Value-Profile Fixed
MSH-9.2	Trigger Event	A08	Value-Profile Fixed
MSH-9.3	Message Structure	ADT_A01	Value-Profile Fixed
MSH-10	Message Control ID	NIST-SS-003.21	Presence-System Generated
MSH-11	Processing ID		
MSH-11.1	Processing ID	P	Presence-Content Indifferent
MSH-12	Version ID		
MSH-12.1	Version ID	2.5.1	Value-Profile Fixed
MSH-15	Accept Acknowledgment Type	AL	Value-Profile Fixed
MSH-16	Application Acknowledgment Type		Indifferent
MSH-21	Message Profile Identifier		
MSH-21.1	Entity Identifier	PH_SS-Ack	Value-Profile Fixed
MSH-21.2	Namespace ID	SS Sender	Value-Profile Fixed
MSH-21.3	Universal ID	2.16.840.1.114222.4.10.3	Value-Profile Fixed
MSH-21.4	Universal ID Type	ISO	Value-Profile Fixed

EVN : Event Type

Location	Data Element	Data	Categorization
EVN-2	Recorded Date/Time		
EVN-2.1	Time	201002010810	Presence-System Generated
EVN-7	Event Facility		
EVN-7.1	Namespace ID	SthrnMdwstMedCntr	Presence-Configuration
EVN-7.2	Universal ID	1231231236	Presence-Configuration
EVN-7.3	Universal ID Type	NPI	Presence-Configuration

PID : Patient Identification

Location	Data Element	Data	Categorization
PID-1	Set ID - PID	1	Value-Profile Fixed
PID-3	Patient Identifier List		
PID-3.1	ID Number	3333	Presence-Content Indifferent
PID-3.4	Assigning Authority		
PID-3.4.1	Namespace ID	SthrnMdwstMedCntr	Presence-Content Indifferent
PID-3.4.2	Universal ID	1231231236	Presence-Content Indifferent
PID-3.4.3	Universal ID Type	NPI	Presence-Configuration
PID-5[1]	Patient Name		
PID-5[1].7	Name Type Code		NonPresence
PID-5[2]	Patient Name		
PID-5[2].7	Name Type Code	S	Value-Test Case Fixed
PID-8	Administrative Sex	M	Value-Test Case Fixed
PID-10[1]	Race		
PID-10[1].1	Identifier	2106-3	Value-Test Case Fixed
PID-10[1].2	Text	White	Presence-Test Case Proper
PID-10[1].3	Name of Coding System	CDCREC	Value-Profile Fixed
PID-10[2]	Race		
PID-10[2].1	Identifier	1002-5	Value-Test Case Fixed
PID-10[2].2	Text	American Indian or Alaska Native	Presence-Test Case Proper
PID-10[2].3	Name of Coding System	CDCREC	Value-Profile Fixed
PID-10[3]	Race		
PID-10[3].1	Identifier	2131-1	Value-Test Case Fixed
PID-10[3].2	Text	Other race	Presence-Test Case Proper
PID-10[3].3	Name of Coding System	CDCREC	Value-Profile Fixed
PID-11	Patient Address		
PID-11.3	City	Oklahoma City	Presence-Content Indifferent
PID-11.4	State or Province	40	Presence-Content Indifferent
PID-11.5	Zip or Postal Code	74852	Presence-Content Indifferent
PID-11.6	Country	USA	Presence-Content Indifferent
PID-11.9	County/Parish Code	40125	Presence-Content Indifferent
PID-22	Ethnic Group		
PID-22.1	Identifier	2186-5	Value-Test Case Fixed
PID-22.2	Text	Not Hispanic or Latino	Presence-Test Case Proper
PID-22.3	Name of Coding System	CDCREC	Value-Profile Fixed
PID-29	Patient Death Date and Time		
PID-29.1	Time		NonPresence
PID-30	Patient Death Indicator		NonPresence

PV1 : Patient Visit

Location	Data Element	Data	Categorization
PV1-1	Set ID - PV1	1	Value-Profile Fixed
PV1-2	Patient Class	E	Value-Test Case Fixed
PV1-19	Visit Number		
PV1-19.1	ID Number	3333_001	Presence-Content Indifferent
PV1-19.4	Assigning Authority		
PV1-19.4.1	Namespace ID	SthrnMdwstMedCntr	Presence-Content Indifferent
PV1-19.4.2	Universal ID	1231231236	Presence-Content Indifferent
PV1-19.4.3	Universal ID Type	NPI	Presence-Configuration
PV1-36	Discharge Disposition		NonPresence
PV1-44	Admit Date/Time		
PV1-44.1	Time	201002010730	Presence-Content Indifferent
PV1-45	Discharge Date/Time		
PV1-45.1	Time		NonPresence

OBX[*]

OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	1	Value-Profile Fixed
OBX-2	Value Type	CWE	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	SS003	Value-Test Case Fixed
OBX-3.2	Text	Facility/Visit Type	Presence-Test Case Proper
OBX-3.3	Name of Coding System	PHINQUESTION	Value-Profile Fixed
OBX-5	Observation Value		
OBX-5.1	Identifier	261QE0002X	Value-Test Case Fixed
OBX-5.2	Text	Emergency Care	Presence-Test Case Proper
OBX-5.3	Name of Coding System	HCPTNUCC	Value-Profile Fixed
OBX-5.4	Alternate Identifier		Indifferent
OBX-5.5	Alternate Text		Indifferent
OBX-5.6	Name of Alternate Coding System		Indifferent
OBX-5.9	Original Text		Indifferent
OBX-6	Units		
OBX-6.1	Identifier		NonPresence
OBX-6.2	Text		NonPresence
OBX-6.3	Name of Coding System		NonPresence
OBX-11	Observation Result Status	F	Value-Test Case Fixed

OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	2	Value-Profile Fixed
OBX-2	Value Type	NM	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	21612-7	Value-Profile Fixed
OBX-3.2	Text	Age at Time Patient Reported	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-5	Observation Value	70	Presence-Test Case Proper
OBX-6	Units		
OBX-6.1	Identifier	a	Value-Test Case Fixed
OBX-6.2	Text	year	Presence-Test Case Proper
OBX-6.3	Name of Coding System	UCUM	Value-Profile Fixed
OBX-11	Observation Result Status	F	Value-Test Case Fixed

OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	3	Value-Profile Fixed
OBX-2	Value Type	TX	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	8661-1	Value-Profile Fixed
OBX-3.2	Text	Chief complaint:Find:Pt:Patient:Nom:Reported	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-5	Observation Value	A headache, nausea, and dizziness	Value-Test Case Fixed
OBX-6	Units		
OBX-6.1	Identifier		Indifferent
OBX-6.2	Text		Indifferent
OBX-6.3	Name of Coding System		Indifferent
OBX-11	Observation Result Status	F	Value-Test Case Fixed

OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	4	Value-Profile Fixed
OBX-2	Value Type	NM	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	8302-2	Value-Profile Fixed
OBX-3.2	Text	Height	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-5	Observation Value	65	Value-Test Case Fixed
OBX-6	Units		
OBX-6.1	Identifier	[in_us]	Value-Test Case Fixed
OBX-6.2	Text	inch	Presence-Test Case Proper
OBX-6.3	Name of Coding System	UCUM	Value-Profile Fixed
OBX-11	Observation Result Status	F	Value-Test Case Fixed

OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	5	Value-Profile Fixed
OBX-2	Value Type	NM	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	3141-9	Value-Profile Fixed
OBX-3.2	Text	Weight	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-5	Observation Value	170	Value-Test Case Fixed
OBX-6	Units		
OBX-6.1	Identifier	[lb_av]	Value-Test Case Fixed
OBX-6.2	Text	pound	Presence-Test Case Proper
OBX-6.3	Name of Coding System	UCUM	Value-Profile Fixed
OBX-11	Observation Result Status	F	Value-Test Case Fixed

OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	6	Value-Profile Fixed
OBX-2	Value Type	CWE	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	72166-2	Value-Test Case Fixed
OBX-3.2	Text	Tobacco Smoking Status	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-5	Observation Value		
OBX-5.1	Identifier	428061000124105	Value-Test Case Fixed
OBX-5.2	Text	Current Light tobacco smoker	Presence-Test Case Proper
OBX-5.3	Name of Coding System	SCT	Value-Profile Fixed
OBX-5.4	Alternate Identifier		Indifferent
OBX-5.5	Alternate Text		Indifferent
OBX-5.6	Name of Alternate Coding System		Indifferent
OBX-5.9	Original Text		Indifferent
OBX-6	Units		
OBX-6.1	Identifier		NonPresence
OBX-6.2	Text		NonPresence
OBX-6.3	Name of Coding System		NonPresence
OBX-11	Observation Result Status	F	Value-Test Case Fixed

DG1 : Diagnosis

Location	Data Element	Data	Categorization
DG1-1	Set ID - DG1	1	Value-Profile Fixed
DG1-3	Diagnosis Code - DG1		
DG1-3.1	Identifier	242383002	Value-Test Case Fixed List
DG1-3.2	Text	Accidental exposure to carbon monoxide	Presence-Test Case Proper
DG1-3.3	Name of Coding System	SCT	Value-Test Case Fixed
DG1-6	Diagnosis Type	W	Value-Test Case Fixed

Test Data Specification

Patient Information

Element	Data
Name	Coded Pseudo-Name to ensure anonymity
Sex	Male
Race1	White
Race2	American Indian or Alaska Native
Race3	Other race
Ethnic Group	Not Hispanic or Latino
City	Oklahoma City
State	Oklahoma
Zip Code	74852
Country	UNITED STATES
County/Parish Code	40125
Patient Death Date and Time	
Patient Death Indicator	

Visit Information

Element	Data
Admit or Encounter Reason	
Admit Date and Time	02/01/2010 7:30 AM
Patient Class	Emergency
Discharge Disposition	
Discharge Date/Time	
Diagnosis Type	Working
Diagnosis	Accidental exposure to carbon monoxide

Observations[*]

Observation Results Information

Element	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	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	Data
Observation Identifier	Chief complaint:Find:Pt:Patient:Nom:Reported
Observation Value	A headache, nausea, and dizziness
Units	
Observation Results Status	Final results; Can only be changed with a corrected result.

Observation Results Information

Element	Data
Observation Identifier	Height
Observation Value	65
Units	inch
Observation Results Status	Final results; Can only be changed with a corrected result.

Observation Results Information

Element	Data
Observation Identifier	Weight
Observation Value	170
Units	pound
Observation Results Status	Final results; Can only be changed with a corrected result.

Observation Results Information

Element	Data
Observation Identifier	Tobacco Smoking Status
Observation Value	Current Light tobacco smoker
Units	
Observation Results Status	Final results; Can only be changed with a corrected result.

3.1.3. SS-ED-3.3_Discharge_A03

Patient is discharged (dispositioned) from ED in preparation for admission to hospital.

Test Story

Description
The patient is quickly discharged from the emergency department (ED) and transported within the facility to a hyperbaric chamber for HBOT. At 8:25 AM, ED staff complete the patient record and administratively discharge the patient from the ED. The working diagnosis is updated to final diagnosis. The patient's final diagnosis is, "Accidental exposure to carbon monoxide," (SNOMED CT code 242383002). Southern Midwest Medical Center reports syndromic surveillance data to the city health department (CHD). At 8:30 AM on February 1, 2010, the hospital's electronic health record module for syndromic surveillance data assembles and transmits a Discharge message about this encounter to SHD.

Comments
This Test Case provides an example of an ED visit for which the patient's chief complaint is captured as free-text, working diagnosis and final diagnosis are captured with SNOMED CT codes, the patient is discharged from the ED and admitted for inpatient care, and the Admit/Encounter Reason is captured with a SNOMED CT code. Dates and times are provided in this test case to illustrate the sequence of clinical and messaging events. Since the exact dates and times are not reproducible when modeling the Test Case with a Health IT Module, only date and time format will be validated within tester submitted test data.

Pre Condition
A08-Update message is sent before A03-Discharge message.

Post Condition
No PostCondition

Test Objectives
This test case examines an Health IT Module's ability to create ADT^A03 Discharge message within the PHIN Messaging Guide's conformance requirements.

Evaluation Criteria
No evaluation criteria

Notes for Testers
HIT developers must demonstrate that their system supports ICD-9CM, ICD-10CM, and SNOMED CT value sets in order to be conformant to the PHIN Syndromic Surveillance Messaging Guide, Rel2.0, April 2015. If an HIT developer identifies Emergency Department as the only health care setting applicable to their system, the Tester must execute the certification testing for this Test Step by having the system create messages (1) using the SNOMED CT codes provided in the test data for DG1-3 in a test message, (2) using clinically appropriate (equivalent to the SNOMED CT codes provided in the test data) and valid ICD-9CM codes provided by the vendor for DG1-3 in a test message, and (3) using clinically appropriate (equivalent to the SNOMED CT codes provided in the test data) and valid ICD-10CM codes provided by the vendor for DG1-3 in a test message. The Tester must perform visual inspection of the test messages created by the system in order to determine whether DG1-3 fields are populated with appropriate and valid ICD-9CM and ICD-10CM codes. The Tester must perform visual inspection of the test messages created by the system in order to determine whether DG1-3 fields are populated with

appropriate and valid ICD-9CM and ICD-10CM codes.

A SNOMED CT code is used for coding the final diagnosis. The Tool is designed to accept the following SNOMED CT codes without generating an error related to the final diagnosis:
242383002 - Accidental exposure to carbon monoxide (used in Test Story)
420057003 - Accidental poisoning by carbon monoxide
95875007 - Exposure to carbon monoxide (event)

Any one of these codes may be used to populate DG1-3.1 in the test message without triggering an error notification in the Tool. If the vendor uses a different but equivalent SNOMED CT code than the ones listed, the Tester may ignore errors generated by the Test Tool related to incorrect code when the SNOMED CT code used in the message is determined to be a valid code. ICD-9CM and ICD-10CM diagnosis codes are acceptable with or without decimals.

This test case does not prescribe the method used by the Health IT Module to change a working diagnosis to a final diagnosis. The test case only validates a specific ADT message type.

Visit Number ID (PV1-19.1) for the ADT^A04, ADT^A08, and ADT^A03 messages in this Test Case must be populated with the same value to reflect the requirement in real-world installations. The Test Tool does not automatically test for this requirement, so Testers must manually inspect the messages to verify that the PV1-19.1 value is the same for the first three Test Step messages for this Test Case.

Message Contents

MSH : Message Header

Location	Data Element	Data	Categorization
MSH-1	Field Separator	|	Value-Profile Fixed
MSH-2	Encoding Characters	^~\&	Value-Profile Fixed
MSH-4	Sending Facility		
MSH-4.1	Namespace ID	SthrnMdwstMedCntr	Presence-Configuration
MSH-4.2	Universal ID	1231231236	Presence-Configuration
MSH-4.3	Universal ID Type	NPI	Presence-Configuration
MSH-7	Date/Time Of Message		
MSH-7.1	Time	201002010830	Presence-System Generated
MSH-9	Message Type		
MSH-9.1	Message Code	ADT	Value-Profile Fixed
MSH-9.2	Trigger Event	A03	Value-Profile Fixed
MSH-9.3	Message Structure	ADT_A03	Value-Profile Fixed
MSH-10	Message Control ID	NIST-SS-003.31	Presence-System Generated
MSH-11	Processing ID		
MSH-11.1	Processing ID	P	Presence-Content Indifferent
MSH-12	Version ID		
MSH-12.1	Version ID	2.5.1	Value-Profile Fixed
MSH-15	Accept Acknowledgment Type	AL	Value-Profile Fixed
MSH-16	Application Acknowledgment Type		Indifferent
MSH-21	Message Profile Identifier		
MSH-21.1	Entity Identifier	PH_SS-Ack	Value-Profile Fixed
MSH-21.2	Namespace ID	SS Sender	Value-Profile Fixed
MSH-21.3	Universal ID	2.16.840.1.114222.4.10.3	Value-Profile Fixed
MSH-21.4	Universal ID Type	ISO	Value-Profile Fixed

EVN : Event Type

Location	Data Element	Data	Categorization
EVN-2	Recorded Date/Time		
EVN-2.1	Time	201002010825	Presence-System Generated
EVN-7	Event Facility		
EVN-7.1	Namespace ID	SthrnMdwstMedCntr	Presence-Configuration
EVN-7.2	Universal ID	1231231236	Presence-Configuration
EVN-7.3	Universal ID Type	NPI	Presence-Configuration

PID : Patient Identification

Location	Data Element	Data	Categorization
PID-1	Set ID - PID	1	Value-Profile Fixed
PID-3	Patient Identifier List		
PID-3.1	ID Number	3333	Presence-Content Indifferent
PID-3.4	Assigning Authority		
PID-3.4.1	Namespace ID	SthrnMdwstMedCntr	Presence-Content Indifferent
PID-3.4.2	Universal ID	1231231236	Presence-Content Indifferent
PID-3.4.3	Universal ID Type	NPI	Presence-Configuration
PID-5[1]	Patient Name		
PID-5[1].7	Name Type Code		NonPresence
PID-5[2]	Patient Name		
PID-5[2].7	Name Type Code	S	Value-Test Case Fixed
PID-8	Administrative Sex	M	Value-Test Case Fixed
PID-10[1]	Race		
PID-10[1].1	Identifier	2106-3	Value-Test Case Fixed
PID-10[1].2	Text	White	Presence-Test Case Proper
PID-10[1].3	Name of Coding System	CDCREC	Value-Profile Fixed
PID-10[2]	Race		
PID-10[2].1	Identifier	1002-5	Value-Test Case Fixed
PID-10[2].2	Text	American Indian or Alaska Native	Presence-Test Case Proper
PID-10[2].3	Name of Coding System	CDCREC	Value-Profile Fixed
PID-10[3]	Race		
PID-10[3].1	Identifier	2131-1	Value-Test Case Fixed
PID-10[3].2	Text	Other race	Presence-Test Case Proper
PID-10[3].3	Name of Coding System	CDCREC	Value-Profile Fixed
PID-11	Patient Address		
PID-11.3	City	Oklahoma City	Presence-Content Indifferent
PID-11.4	State or Province	40	Presence-Content Indifferent
PID-11.5	Zip or Postal Code	74852	Presence-Content Indifferent
PID-11.6	Country	USA	Presence-Content Indifferent
PID-11.9	County/Parish Code	40125	Presence-Content Indifferent
PID-22	Ethnic Group		
PID-22.1	Identifier	2186-5	Value-Test Case Fixed
PID-22.2	Text	Not Hispanic or Latino	Presence-Test Case Proper
PID-22.3	Name of Coding System	CDCREC	Value-Profile Fixed
PID-29	Patient Death Date and Time		
PID-29.1	Time		NonPresence
PID-30	Patient Death Indicator		NonPresence

PV1 : Patient Visit

Location	Data Element	Data	Categorization
PV1-1	Set ID - PV1	1	Value-Profile Fixed
PV1-2	Patient Class	E	Value-Test Case Fixed
PV1-19	Visit Number		
PV1-19.1	ID Number	3333_001	Presence-Content Indifferent
PV1-19.4	Assigning Authority		
PV1-19.4.1	Namespace ID	SthrnMdwstMedCntr	Presence-Content Indifferent
PV1-19.4.2	Universal ID	1231231236	Presence-Content Indifferent
PV1-19.4.3	Universal ID Type	NPI	Presence-Configuration
PV1-36	Discharge Disposition	09	Value-Test Case Fixed
PV1-44	Admit Date/Time		
PV1-44.1	Time	201002010730	Presence-Content Indifferent
PV1-45	Discharge Date/Time		
PV1-45.1	Time	201002010825	Presence-Content Indifferent

DG1 : Diagnosis

Location	Data Element	Data	Categorization
DG1-1	Set ID - DG1	1	Value-Profile Fixed
DG1-3	Diagnosis Code - DG1		
DG1-3.1	Identifier	242383002	Value-Test Case Fixed List
DG1-3.2	Text	Accidental exposure to carbon monoxide	Presence-Test Case Proper
DG1-3.3	Name of Coding System	SCT	Value-Test Case Fixed
DG1-6	Diagnosis Type	F	Value-Test Case Fixed

OBX[*]

OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	1	Value-Profile Fixed
OBX-2	Value Type	CWE	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	SS003	Value-Test Case Fixed
OBX-3.2	Text	Facility/Visit Type	Presence-Test Case Proper
OBX-3.3	Name of Coding System	PHINQUESTION	Value-Profile Fixed
OBX-5	Observation Value		
OBX-5.1	Identifier	261QE0002X	Value-Test Case Fixed
OBX-5.2	Text	Emergency Care	Presence-Test Case Proper
OBX-5.3	Name of Coding System	HCPTNUCC	Value-Profile Fixed
OBX-5.4	Alternate Identifier		Indifferent
OBX-5.5	Alternate Text		Indifferent
OBX-5.6	Name of Alternate Coding System		Indifferent
OBX-5.9	Original Text		Indifferent
OBX-6	Units		
OBX-6.1	Identifier		NonPresence
OBX-6.2	Text		NonPresence
OBX-6.3	Name of Coding System		NonPresence
OBX-11	Observation Result Status	F	Value-Test Case Fixed

OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	2	Value-Profile Fixed
OBX-2	Value Type	NM	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	21612-7	Value-Profile Fixed
OBX-3.2	Text	Age at Time Patient Reported	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-5	Observation Value	70	Presence-Test Case Proper
OBX-6	Units		
OBX-6.1	Identifier	a	Value-Test Case Fixed
OBX-6.2	Text	year	Presence-Test Case Proper
OBX-6.3	Name of Coding System	UCUM	Value-Profile Fixed
OBX-11	Observation Result Status	F	Value-Test Case Fixed

OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	3	Value-Profile Fixed
OBX-2	Value Type	TX	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	8661-1	Value-Profile Fixed
OBX-3.2	Text	Chief complaint:Find:Pt:Patient:Nom:Reported	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-5	Observation Value	A headache, nausea, and dizziness	Value-Test Case Fixed
OBX-6	Units		
OBX-6.1	Identifier		Indifferent
OBX-6.2	Text		Indifferent
OBX-6.3	Name of Coding System		Indifferent
OBX-11	Observation Result Status	F	Value-Test Case Fixed

OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	4	Value-Profile Fixed
OBX-2	Value Type	NM	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	8302-2	Value-Profile Fixed
OBX-3.2	Text	Height	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-5	Observation Value	65	Value-Test Case Fixed
OBX-6	Units		
OBX-6.1	Identifier	[in_us]	Value-Test Case Fixed
OBX-6.2	Text	inch	Presence-Test Case Proper
OBX-6.3	Name of Coding System	UCUM	Value-Profile Fixed
OBX-11	Observation Result Status	F	Value-Test Case Fixed

OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	5	Value-Profile Fixed
OBX-2	Value Type	NM	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	3141-9	Value-Profile Fixed
OBX-3.2	Text	Weight	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-5	Observation Value	170	Value-Test Case Fixed
OBX-6	Units		
OBX-6.1	Identifier	[lb_av]	Value-Test Case Fixed
OBX-6.2	Text	pound	Presence-Test Case Proper
OBX-6.3	Name of Coding System	UCUM	Value-Profile Fixed
OBX-11	Observation Result Status	F	Value-Test Case Fixed

OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	6	Value-Profile Fixed
OBX-2	Value Type	CWE	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	72166-2	Value-Test Case Fixed
OBX-3.2	Text	Tobacco Smoking Status	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-5	Observation Value		
OBX-5.1	Identifier	428061000124105	Value-Test Case Fixed
OBX-5.2	Text	Current Light tobacco smoker	Presence-Test Case Proper
OBX-5.3	Name of Coding System	SCT	Value-Profile Fixed
OBX-5.4	Alternate Identifier		Indifferent
OBX-5.5	Alternate Text		Indifferent
OBX-5.6	Name of Alternate Coding System		Indifferent
OBX-5.9	Original Text		Indifferent
OBX-6	Units		
OBX-6.1	Identifier		NonPresence
OBX-6.2	Text		
OBX-6.3	Name of Coding System		NonPresence
OBX-11	Observation Result Status	F	Value-Test Case Fixed

Test Data Specification

Patient Information

Element	Data
Name	Coded Pseudo-Name to ensure anonymity
Sex	Male
Race1	White
Race2	American Indian or Alaska Native
Race3	Other race
Ethnic Group	Not Hispanic or Latino
City	Oklahoma City
State	Oklahoma
Zip Code	74852
Country	UNITED STATES
County/Parish Code	40125
Patient Death Date and Time	
Patient Death Indicator	

Visit Information

Element	Data
Admit or Encounter Reason	
Admit Date and Time	02/01/2010 7:30 AM
Patient Class	Emergency
Discharge Disposition	Admitted as an inpatient to this hospital
Discharge Date/Time	02/01/2010 8:25 AM
Diagnosis Type	Final
Diagnosis	Accidental exposure to carbon monoxide

Observations[*]

Observation Results Information

Element	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	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	Data
Observation Identifier	Chief complaint:Find:Pt:Patient:Nom:Reported
Observation Value	A headache, nausea, and dizziness
Units	
Observation Results Status	Final results; Can only be changed with a corrected result.

Observation Results Information

Element	Data
Observation Identifier	Height
Observation Value	65
Units	inch
Observation Results Status	Final results; Can only be changed with a corrected result.

Observation Results Information

Element	Data
Observation Identifier	Weight
Observation Value	170
Units	pound
Observation Results Status	Final results; Can only be changed with a corrected result.

Observation Results Information

Element	Data
Observation Identifier	Tobacco Smoking Status
Observation Value	Current Light tobacco smoker
Units	
Observation Results Status	Final results; Can only be changed with a corrected result.

3.1.4. SS-ED-3.4_Admission_A01

Patient is prepared for admission to hospital.

Test Story

Description
While the patient is prepared for transport within the hospital for HBOT, the clinical staffers complete an admission record. The admit reason is recorded as, "Accidental exposure to carbon monoxide," (SNOMED CT code 242383002). Southern Midwest Medical Center reports syndromic surveillance data to the city health department (CHD). At 8:35 AM on February 1, 2010, the hospitals electronic health record module for syndromic surveillance data assembles and transmits an Admission message about this encounter to SHD.

Comments
This Test Case provides an example of an ED visit for which the patient's chief complaint is captured as free-text, working diagnosis and final diagnosis are captured with SNOMED CT codes, the patient is discharged from the ED and admitted for inpatient care, and the Admit/Encounter Reason is captured with a SNOMED CT code. Dates and times are provided in this test case to illustrate the sequence of clinical and messaging events. Since the exact dates and times are not reproducible when modeling the Test Case with a Health IT Module, only date and time format will be validated within tester submitted test data.

Pre Condition
A03-Discharge message is sent before A01-Admission message.

Post Condition
No PostCondition

Test Objectives
This test case examines a Health IT Module's ability to create ADT^A01 Admission message within the PHIN Messaging Guide's conformance requirements for syndromic surveillance.

Evaluation Criteria
No evaluation criteria

Notes for Testers
PV1-2 may be populated with either "E" or "I". HIT developers must demonstrate that their system supports ICD-9CM, ICD-10CM, and SNOMED CT value sets in order to be conformant to the PHIN Syndromic Surveillance Messaging Guide, Rel2.0, April 2015. If an HIT developer identifies Emergency Department as the only health care setting applicable to their system, the Tester must execute the certification testing for this Test Step by having the system create messages (1) using the SNOMED CT codes provided in the test data for PV2-3 in a test message, (2) using clinically appropriate (equivalent to the SNOMED CT codes provided in the test data) and valid ICD-9CM codes provided by the vendor for PV2-3 in a test message, and (3) using clinically appropriate (equivalent to the SNOMED CT codes provided in the test data) and valid ICD-10CM codes provided by the vendor for PV2-3 in a test message. The Tester must perform visual inspection of the test messages created by the system in order to determine whether PV2-3 fields are populated with appropriate and valid ICD-9CM and ICD-10CM codes.

A SNOMED CT code is used for coding the admit/encounter reason. The Tool is designed to accept the following SNOMED CT codes without generating an error related to the admit/encounter reason:

242383002 - Accidental exposure to carbon monoxide (used in Test Story)
420057003 - Accidental poisoning by carbon monoxide
95875007 - Exposure to carbon monoxide (event)

Any one of these codes may be used to populate PV2-3.1 in the test message without triggering an error notification in the Tool. If the vendor uses a different but equivalent SNOMED CT code than the ones listed, the Tester may ignore errors generated by the Test Tool related to incorrect code when the SNOMED CT code used in the message is determined to be a valid code.

ICD-9CM and ICD-10CM diagnosis codes are acceptable with or without decimals.

The OBX segment in the A01 message provides the originating visit type information through Facility/Visit Type. The admit described in the ED_Visit_Admit Test Scenario originated in the emergency department; therefore, "Emergency Care" is messaged in the OBX.5 element in the A01 message.

Visit Number ID (PV1-19.1) for the ADT^A01 message in this Test Case may be populated with the same value as in the ADT^A04, ADT^A08, and ADT^A03 messages; however, as the way an actual installation works will determine whether an A01 message has the same or a different Visit Number ID in PV1-19.1 for a patient admitted from the ED, the PV1-19.1 for the ADT^A01 message is allowed to be populated with a different value than the value in the ADT^A04, ADT^A08, and ADT^A03 messages for this Test Case. Test Tool does not automatically test for this requirement, so Testers must manually inspect the message to verify whether the value of PV1-19.1 is the same as or different from the value in the other Test Step messages for this Test Case.

Message Contents

MSH : Message Header

Location	Data Element	Data	Categorization
MSH-1	Field Separator	|	Value-Profile Fixed
MSH-2	Encoding Characters	^~\&	Value-Profile Fixed
MSH-4	Sending Facility		
MSH-4.1	Namespace ID	SthrnMdwstMedCntr	Presence-Configuration
MSH-4.2	Universal ID	1231231236	Presence-Configuration
MSH-4.3	Universal ID Type	NPI	Presence-Configuration
MSH-7	Date/Time Of Message		
MSH-7.1	Time	201002010835	Presence-System Generated
MSH-9	Message Type		
MSH-9.1	Message Code	ADT	Value-Profile Fixed
MSH-9.2	Trigger Event	A01	Value-Profile Fixed
MSH-9.3	Message Structure	ADT_A01	Value-Profile Fixed
MSH-10	Message Control ID	NIST-SS-003.41	Presence-System Generated
MSH-11	Processing ID		
MSH-11.1	Processing ID	P	Presence-Content Indifferent
MSH-12	Version ID		
MSH-12.1	Version ID	2.5.1	Value-Profile Fixed
MSH-15	Accept Acknowledgment Type	AL	Value-Profile Fixed
MSH-16	Application Acknowledgment Type		Indifferent
MSH-21	Message Profile Identifier		
MSH-21.1	Entity Identifier	PH_SS-Ack	Value-Profile Fixed
MSH-21.2	Namespace ID	SS Sender	Value-Profile Fixed
MSH-21.3	Universal ID	2.16.840.1.114222.4.10.3	Value-Profile Fixed
MSH-21.4	Universal ID Type	ISO	Value-Profile Fixed

EVN : Event Type

Location	Data Element	Data	Categorization
EVN-2	Recorded Date/Time		
EVN-2.1	Time	201002010835	Presence-System Generated
EVN-7	Event Facility		
EVN-7.1	Namespace ID	SthrnMdwstMedCntr	Presence-Content Indifferent
EVN-7.2	Universal ID	1231231236	Presence-Content Indifferent
EVN-7.3	Universal ID Type	NPI	Presence-Configuration

PID : Patient Identification

Location	Data Element	Data	Categorization
PID-1	Set ID - PID	1	Value-Profile Fixed
PID-3	Patient Identifier List		
PID-3.1	ID Number	3333	Presence-Content Indifferent
PID-3.4	Assigning Authority		
PID-3.4.1	Namespace ID	SthrnMdwstMedCntr	Presence-Content Indifferent
PID-3.4.2	Universal ID	1231231236	Presence-Content Indifferent
PID-3.4.3	Universal ID Type	NPI	Presence-Configuration
PID-5[1]	Patient Name		
PID-5[1].7	Name Type Code		NonPresence
PID-5[2]	Patient Name		
PID-5[2].7	Name Type Code	S	Value-Test Case Fixed
PID-8	Administrative Sex	M	Value-Test Case Fixed
PID-10[1]	Race		
PID-10[1].1	Identifier	2106-3	Value-Test Case Fixed
PID-10[1].2	Text	White	Presence-Test Case Proper
PID-10[1].3	Name of Coding System	CDCREC	Value-Profile Fixed
PID-10[2]	Race		
PID-10[2].1	Identifier	1002-5	Value-Test Case Fixed
PID-10[2].2	Text	American Indian or Alaska Native	Presence-Test Case Proper
PID-10[2].3	Name of Coding System	CDCREC	Value-Profile Fixed
PID-10[3]	Race		
PID-10[3].1	Identifier	2131-1	Value-Test Case Fixed
PID-10[3].2	Text	Other race	Presence-Test Case Proper
PID-10[3].3	Name of Coding System	CDCREC	Value-Profile Fixed
PID-11	Patient Address		
PID-11.3	City	Oklahoma City	Presence-Content Indifferent
PID-11.4	State or Province	40	Presence-Content Indifferent
PID-11.5	Zip or Postal Code	74852	Presence-Content Indifferent
PID-11.6	Country	USA	Presence-Content Indifferent
PID-11.9	County/Parish Code	40125	Presence-Content Indifferent
PID-22	Ethnic Group		
PID-22.1	Identifier	2186-5	Value-Test Case Fixed
PID-22.2	Text	Not Hispanic or Latino	Presence-Test Case Proper
PID-22.3	Name of Coding System	CDCREC	Value-Profile Fixed

PV1 : Patient Visit

Location	Data Element	Data	Categorization
PV1-1	Set ID - PV1	1	Value-Profile Fixed
PV1-2	Patient Class	E	Value-Test Case Fixed List
PV1-19	Visit Number		
PV1-19.1	ID Number	3333_001	Presence-Content Indifferent
PV1-19.4	Assigning Authority		
PV1-19.4.1	Namespace ID	SthrnMdwstMedCntr	Presence-Content Indifferent
PV1-19.4.2	Universal ID	1231231236	Presence-Content Indifferent
PV1-19.4.3	Universal ID Type	NPI	Presence-Configuration
PV1-44	Admit Date/Time		
PV1-44.1	Time	201002010730	Presence-Content Indifferent

PV2 : Patient Visit - Additional Information

Location	Data Element	Data	Categorization
PV2-3	Admit Reason		
PV2-3.1	Identifier	242383002	Value-Test Case Fixed List
PV2-3.2	Text	Accidental exposure to carbon monoxide	Presence-Test Case Proper
PV2-3.3	Name of Coding System	SCT	Value-Test Case Fixed

OBX[*]

OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	1	Value-Profile Fixed
OBX-2	Value Type	CWE	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	SS003	Value-Test Case Fixed
OBX-3.2	Text	Facility/Visit Type	Presence-Test Case Proper
OBX-3.3	Name of Coding System	PHINQUESTION	Value-Profile Fixed
OBX-5	Observation Value		
OBX-5.1	Identifier	261QE0002X	Value-Test Case Fixed
OBX-5.2	Text	Emergency Care	Presence-Test Case Proper
OBX-5.3	Name of Coding System	HCPTNUCC	Value-Profile Fixed
OBX-5.4	Alternate Identifier		Indifferent
OBX-5.5	Alternate Text		Indifferent
OBX-5.6	Name of Alternate Coding System		Indifferent
OBX-5.9	Original Text		Indifferent
OBX-6	Units		
OBX-6.1	Identifier		NonPresence
OBX-6.2	Text		NonPresence
OBX-6.3	Name of Coding System		NonPresence
OBX-11	Observation Result Status	F	Value-Test Case Fixed

OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	2	Value-Profile Fixed
OBX-2	Value Type	NM	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	21612-7	Value-Profile Fixed
OBX-3.2	Text	Age at Time Patient Reported	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-5	Observation Value	70	Presence-Test Case Proper
OBX-6	Units		
OBX-6.1	Identifier	a	Value-Test Case Fixed
OBX-6.2	Text	year	Presence-Test Case Proper
OBX-6.3	Name of Coding System	UCUM	Value-Profile Fixed
OBX-11	Observation Result Status	F	Value-Test Case Fixed

OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	3	Value-Profile Fixed
OBX-2	Value Type	TX	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	8661-1	Value-Profile Fixed
OBX-3.2	Text	Chief complaint:Find:Pt:Patient:Nom:Reported	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-5	Observation Value	A headache, nausea, and dizziness	Value-Test Case Fixed
OBX-6	Units		
OBX-6.1	Identifier		Indifferent
OBX-6.2	Text		Indifferent
OBX-6.3	Name of Coding System		Indifferent
OBX-11	Observation Result Status	F	Value-Test Case Fixed

OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	4	Value-Profile Fixed
OBX-2	Value Type	NM	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	8302-2	Value-Profile Fixed
OBX-3.2	Text	Height	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-5	Observation Value	65	Value-Test Case Fixed
OBX-6	Units		
OBX-6.1	Identifier	[in_us]	Value-Test Case Fixed
OBX-6.2	Text	inch	Presence-Test Case Proper
OBX-6.3	Name of Coding System	UCUM	Value-Profile Fixed
OBX-11	Observation Result Status	F	Value-Test Case Fixed

OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	5	Value-Profile Fixed
OBX-2	Value Type	NM	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	3141-9	Value-Profile Fixed
OBX-3.2	Text	Weight	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-5	Observation Value	170	Value-Test Case Fixed
OBX-6	Units		
OBX-6.1	Identifier	[lb_av]	Value-Test Case Fixed
OBX-6.2	Text	pound	Presence-Test Case Proper
OBX-6.3	Name of Coding System	UCUM	Value-Profile Fixed
OBX-11	Observation Result Status	F	Value-Test Case Fixed

OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	6	Value-Profile Fixed
OBX-2	Value Type	CWE	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	72166-2	Value-Test Case Fixed
OBX-3.2	Text	Tobacco Smoking Status	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-5	Observation Value		
OBX-5.1	Identifier	428061000124105	Value-Test Case Fixed
OBX-5.2	Text	Current Light tobacco smoker	Presence-Test Case Proper
OBX-5.3	Name of Coding System	SCT	Value-Profile Fixed
OBX-5.4	Alternate Identifier		Indifferent
OBX-5.5	Alternate Text		Indifferent
OBX-5.6	Name of Alternate Coding System		Indifferent
OBX-5.9	Original Text		Indifferent
OBX-6	Units		
OBX-6.1	Identifier		NonPresence
OBX-6.2	Text		NonPresence
OBX-6.3	Name of Coding System		NonPresence
OBX-11	Observation Result Status	F	Value-Test Case Fixed

Test Data Specification

Patient Information

Element	Data
Name	Coded Pseudo-Name to ensure anonymity
Sex	Male
Race1	White
Race2	American Indian or Alaska Native
Race3	Other race
Ethnic Group	Not Hispanic or Latino
City	Oklahoma City
State	Oklahoma
Zip Code	74852
Country	UNITED STATES
County/Parish Code	40125

Visit Information

Element	Data
Admit or Encounter Reason	Accidental exposure to carbon monoxide
Admit Date and Time	02/01/2010 7:30 AM
Patient Class	Emergency
Diagnosis Type	

Observations[*]

Observation Results Information

Element	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	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	Data
Observation Identifier	Chief complaint:Find:Pt:Patient:Nom:Reported
Observation Value	A headache, nausea, and dizziness
Units	
Observation Results Status	Final results; Can only be changed with a corrected result.

Observation Results Information

Element	Data
Observation Identifier	Height
Observation Value	65
Units	inch
Observation Results Status	Final results; Can only be changed with a corrected result.

Observation Results Information

Element	Data
Observation Identifier	Weight
Observation Value	170
Units	pound
Observation Results Status	Final results; Can only be changed with a corrected result.

Observation Results Information

Element	Data
Observation Identifier	Tobacco Smoking Status
Observation Value	Current Light tobacco smoker
Units	
Observation Results Status	Final results; Can only be changed with a corrected result.

4. Inpatient Visit

Patient is admitted and discharged from hospital.

4.1. SS-IP-4_Inpatient_Visit_Surgery

Patient has cardiac surgery

Test Story

Description
Syndromic surveillance is public health surveillance that emphasizes the use of near "real-time" health data and statistical tools for disease or hazardous event detection, situation awareness for mass gatherings and public health emergencies, and ad hoc and population health trend analyses. For syndromic surveillance purposes, required data on all clinical encounters must be sent to the jurisdictional public health agency within 24 hours of the any given encounter, and in accordance with local or state laws and practices. The IP Visit-Cardiac Surgery Test Case provides an example of an inpatient surgical visit for a patient with multiple diagnoses. In this scenario, syndromic surveillance data are sent to a state public health agency in accordance with guidelines recommended by the International Society for Disease Surveillance (i.e., once following admission and once following discharge). In this test case, a middle aged man is admitted for a pre-scheduled surgical removal of a coronary artery obstruction and insertion of stents, spends one night in the hospital for observation, and is discharged home. This test case involves 2 steps: an admission message (ADT^A01); and a discharge message (ADT^A03).

Comments
No Comments

Pre Condition
No PreCondition

Post Condition
No PostCondition

Test Objectives
No Test Objectives

Evaluation Criteria
No evaluation criteria

Notes for Testers
No Note

4.1.1. SS-IP-4.1_Admission_A01

Patient Admitted to Hospital for cardiac surgery

Test Story

Description
On August 17, 2015 at 7:00 AM, a 51-year old male arrives at Mountainview General Hospital for a pre-scheduled surgical removal of a coronary artery obstruction and insertion of stents. A clerical assistant registers the patient for admission. He records the patient's name, date of birth, race, ethnicity, residence, and insurance information. At 7:30 AM the patient is escorted to a pre-operation room where a nurse captures the patient's health history, which includes chest pain, inputs the reason for visit as I25.110 (Atherosclerotic heart disease of native coronary artery with unstable angina pectoris), and inputs angina pectoris for the patient's diagnosis (I20.9).The patient is then prepared for the procedure, and at 8:30 AM the patient has the procedure. It occurs without incident, and the patient goes to post-operation recovery unit to wake from anesthesia, and receive a post-op examination. At 2:00 PM the patient, who is in good condition, is transported to a cardiac unit for overnight observation.Mountainview General Hospital reports inpatient syndromic surveillance data to the state health department (SHD) for all new patient admissions once per day. At 1:00 AM on August 18, 2015, the hospital's electronic health record module for syndromic surveillance data assembles and transmits an ADT^A01 Admission message about this encounter to SHD.

Comments
This Test Case provides an example of an inpatient visit where syndromic surveillance data are sent to a public health agency in accordance with guidelines recommended by the International Society for Disease Surveillance. The dates and times in this test case illustrate the sequence of clinical and messaging events. Since the exact dates and times are not reproducible when modeling the test case with EHR technology, only date and time format will be validated within tester submitted test data. ICD-10 diagnosis codes are acceptable with or without decimals.

Pre Condition
No PreCondition

Post Condition
No PostCondition

Test Objectives
This test case examines a Health IT Module's ability to create ADT^A01 Admission message within PHIN Syndromic Surveillance Messaging Guide's conformance requirements.

Evaluation Criteria
No evaluation criteria

Notes for Testers
HIT developers must demonstrate that their system supports ICD-9CM, ICD-10CM, and SNOMED CT value sets in order to be conformant to the PHIN Syndromic Surveillance Messaging Guide, Rel2.0, April 2015. If an HIT developer identifies the Inpatient setting as the only health care setting applicable to their system, the Tester must execute the certification testing for this Test Step by having the system create messages (1) using the ICD-10CM codes provided in the test data for PV2-3 and DG1-3 in a test message, (2) using clinically appropriate (equivalent

to the provided ICD-10CM codes provided in the test data) and valid ICD-9CM codes provided by the vendor for PV2-3 and DG1-3 in a test message, and (3) using clinically appropriate (equivalent to the ICD-10CM codes provided in the test data) and valid SNOMED CT codes provided by the vendor for PV2-3 and DG1-3 in a test message. The Tester must perform visual inspection of the test messages created by the system in order to determine whether PV2-3 and DG1-3 fields are populated with appropriate and valid ICD-9CM and SNOMED CT codes.

ICD-10CM codes are provided in the test data for coding the admit/encounter reason and working diagnosis. If the vendor uses different but equivalent ICD-10CM codes than the ones provided, the Tester may ignore errors generated by the Test Tool related to incorrect code when the ICD-10 codes used in the message are determined to be valid codes.

ICD-10CM and ICD-9CM diagnosis codes are acceptable with or without decimals.

Visit Number ID (PV1-19.1) must be populated with the same value for all messages included in this Test Case to reflect the requirement in real-world installations. Test Tool does not automatically test for this requirement, so Testers must manually inspect the messages to verify that PV1-19.1 is the same for all Test Step messages for a given Test Case.

Message Contents

MSH : Message Header

Location	Data Element	Data	Categorization
MSH-1	Field Separator	|	Value-Profile Fixed
MSH-2	Encoding Characters	^~\&	Value-Profile Fixed
MSH-4	Sending Facility		
MSH-4.1	Namespace ID	MountainviewGeneral	Presence-Configuration
MSH-4.2	Universal ID	1231231236	Presence-Configuration
MSH-4.3	Universal ID Type	NPI	Presence-Configuration
MSH-7	Date/Time Of Message		
MSH-7.1	Time	201508180100	Presence-System Generated
MSH-9	Message Type		
MSH-9.1	Message Code	ADT	Value-Profile Fixed
MSH-9.2	Trigger Event	A01	Value-Profile Fixed
MSH-9.3	Message Structure	ADT_A01	Value-Profile Fixed
MSH-10	Message Control ID	NIST-SS-003.41	Presence-System Generated
MSH-11	Processing ID		
MSH-11.1	Processing ID	P	Presence-Content Indifferent
MSH-12	Version ID		
MSH-12.1	Version ID	2.5.1	Value-Profile Fixed
MSH-15	Accept Acknowledgment Type	AL	Value-Profile Fixed
MSH-16	Application Acknowledgment Type		Indifferent
MSH-21	Message Profile Identifier		
MSH-21.1	Entity Identifier	PH_SS-Ack	Value-Profile Fixed
MSH-21.2	Namespace ID	SS Sender	Value-Profile Fixed
MSH-21.3	Universal ID	2.16.840.1.114222.4.10.3	Value-Profile Fixed
MSH-21.4	Universal ID Type	ISO	Value-Profile Fixed

EVN : Event Type

Location	Data Element	Data	Categorization
EVN-2	Recorded Date/Time		
EVN-2.1	Time	201508180100	Presence-System Generated
EVN-7	Event Facility		
EVN-7.1	Namespace ID	MountainviewGeneral	Presence-Configuration
EVN-7.2	Universal ID	1231231236	Presence-Configuration
EVN-7.3	Universal ID Type	NPI	Presence-Configuration

PID : Patient Identification

Location	Data Element	Data	Categorization
PID-1	Set ID - PID	1	Value-Profile Fixed
PID-3	Patient Identifier List		
PID-3.1	ID Number	3333	Presence-Content Indifferent
PID-3.4	Assigning Authority		
PID-3.4.1	Namespace ID	MountainviewGeneral	Presence-Content Indifferent
PID-3.4.2	Universal ID	1231231236	Presence-Content Indifferent
PID-3.4.3	Universal ID Type	NPI	Presence-Configuration
PID-5[1]	Patient Name		
PID-5[1].7	Name Type Code		NonPresence
PID-5[2]	Patient Name		
PID-5[2].7	Name Type Code	S	Value-Test Case Fixed
PID-8	Administrative Sex	M	Value-Test Case Fixed
PID-10	Race		
PID-10.1	Identifier	2106-3	Value-Test Case Fixed
PID-10.2	Text	White	Presence-Test Case Proper
PID-10.3	Name of Coding System	CDCREC	Value-Profile Fixed
PID-11	Patient Address		
PID-11.3	City	Columbus	Presence-Content Indifferent
PID-11.4	State or Province	39	Presence-Content Indifferent
PID-11.5	Zip or Postal Code	43058	Presence-Content Indifferent
PID-11.6	Country	USA	Presence-Content Indifferent
PID-11.9	County/Parish Code	39049	Presence-Content Indifferent
PID-22	Ethnic Group		
PID-22.1	Identifier	2135-2	Value-Test Case Fixed
PID-22.2	Text	Hispanic or Latino	Presence-Test Case Proper
PID-22.3	Name of Coding System	CDCREC	Value-Profile Fixed

PV1 : Patient Visit

Location	Data Element	Data	Categorization
PV1-1	Set ID - PV1	1	Value-Profile Fixed
PV1-2	Patient Class	I	Value-Test Case Fixed
PV1-19	Visit Number		
PV1-19.1	ID Number	3333_001	Presence-Content Indifferent
PV1-19.4	Assigning Authority		
PV1-19.4.1	Namespace ID	MountainviewGeneral	Presence-Content Indifferent
PV1-19.4.2	Universal ID	1231231236	Presence-Content Indifferent
PV1-19.4.3	Universal ID Type	NPI	Presence-Configuration
PV1-44	Admit Date/Time		
PV1-44.1	Time	201508170700	Presence-Content Indifferent

PV2 : Patient Visit - Additional Information

Location	Data Element	Data	Categorization
PV2-3	Admit Reason		
PV2-3.1	Identifier	I25110	Value-Test Case Fixed List
PV2-3.2	Text	Atherosclerotic heart disease of native coronary artery with unstable angina pectoris	Presence-Test Case Proper
PV2-3.3	Name of Coding System	I10C	Value-Test Case Fixed

OBX[*]

OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	1	Value-Profile Fixed
OBX-2	Value Type	CWE	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	SS003	Value-Test Case Fixed
OBX-3.2	Text	Facility/Visit Type	Presence-Test Case Proper
OBX-3.3	Name of Coding System	PHINQUESTION	Value-Profile Fixed
OBX-5	Observation Value		
OBX-5.1	Identifier	1021-5	Value-Test Case Fixed
OBX-5.2	Text	Inpatient practice setting	Presence-Test Case Proper
OBX-5.3	Name of Coding System	HSLOC	Value-Profile Fixed
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-5.9	Original Text		
OBX-6	Units		
OBX-6.1	Identifier		NonPresence
OBX-6.2	Text		NonPresence
OBX-6.3	Name of Coding System		NonPresence
OBX-11	Observation Result Status	F	Value-Test Case Fixed

OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	2	Value-Profile Fixed
OBX-2	Value Type	CWE	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	56816-2	Value-Profile Fixed
OBX-3.2	Text	PATIENT LOCATION	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-5	Observation Value		
OBX-5.1	Identifier	1028-0	Value-Test Case Fixed
OBX-5.2	Text	Medical cardiac critical care unit	Presence-Test Case Proper
OBX-5.3	Name of Coding System	HSLOC	Value-Profile Fixed
OBX-5.4	Alternate Identifier		Indifferent
OBX-5.5	Alternate Text		Indifferent
OBX-5.6	Name of Alternate Coding System		Indifferent
OBX-5.9	Original Text		Indifferent
OBX-6	Units		
OBX-6.1	Identifier		NonPresence
OBX-6.2	Text		NonPresence
OBX-6.3	Name of Coding System		NonPresence
OBX-11	Observation Result Status	F	Value-Test Case Fixed

OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	3	Value-Profile Fixed
OBX-2	Value Type	NM	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	21612-7	Value-Profile Fixed
OBX-3.2	Text	Age at Time Patient Reported	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-5	Observation Value	51	Value-Test Case Fixed
OBX-6	Units		
OBX-6.1	Identifier	a	Value-Test Case Fixed
OBX-6.2	Text	year	Presence-Test Case Proper
OBX-6.3	Name of Coding System	UCUM	Value-Profile Fixed
OBX-11	Observation Result Status	F	Value-Test Case Fixed

OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	4	Value-Profile Fixed
OBX-2	Value Type	NM	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	8302-2	Value-Profile Fixed
OBX-3.2	Text	Height	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-5	Observation Value	72	Value-Test Case Fixed
OBX-6	Units		
OBX-6.1	Identifier	[in_us]	Value-Test Case Fixed
OBX-6.2	Text	inch	Presence-Test Case Proper
OBX-6.3	Name of Coding System	UCUM	Value-Profile Fixed
OBX-11	Observation Result Status	F	Value-Test Case Fixed

OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	5	Value-Profile Fixed
OBX-2	Value Type	NM	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	3141-9	Value-Profile Fixed
OBX-3.2	Text	Weight	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-5	Observation Value	235	Value-Test Case Fixed
OBX-6	Units		
OBX-6.1	Identifier	[lb_av]	Value-Test Case Fixed
OBX-6.2	Text	pound	Presence-Test Case Proper
OBX-6.3	Name of Coding System	UCUM	Value-Profile Fixed
OBX-11	Observation Result Status	F	Value-Test Case Fixed

OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	6	Value-Profile Fixed
OBX-2	Value Type	CWE	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	72166-2	Value-Test Case Fixed
OBX-3.2	Text	Tobacco Smoking Status	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-5	Observation Value		
OBX-5.1	Identifier	428061000124105	Value-Test Case Fixed
OBX-5.2	Text	Current Light tobacco smoker	Presence-Test Case Proper
OBX-5.3	Name of Coding System	SCT	Value-Profile Fixed
OBX-5.4	Alternate Identifier		Indifferent
OBX-5.5	Alternate Text		Indifferent
OBX-5.6	Name of Alternate Coding System		Indifferent
OBX-5.9	Original Text		Indifferent
OBX-6	Units		
OBX-6.1	Identifier		NonPresence
OBX-6.2	Text		NonPresence
OBX-6.3	Name of Coding System		NonPresence
OBX-11	Observation Result Status	F	Value-Test Case Fixed

DG1 : Diagnosis

Location	Data Element	Data	Categorization
DG1-1	Set ID - DG1	1	Value-Profile Fixed
DG1-3	Diagnosis Code - DG1		
DG1-3.1	Identifier	I209	Value-Test Case Fixed List
DG1-3.2	Text	Angina pectoris, unspecified	Presence-Test Case Proper
DG1-3.3	Name of Coding System	I10C	Value-Test Case Fixed
DG1-6	Diagnosis Type	W	Value-Test Case Fixed

Test Data Specification

Patient Information

Element	Data
Name	Coded Pseudo-Name to ensure anonymity
Sex	Male
Race	White
Ethnic Group	Hispanic or Latino
City	Columbus
State	Ohio
Zip Code	43058
Country	UNITED STATES
County/Parish Code	39049

Visit Information

Element	Data
Admit or Encounter Reason	Atherosclerotic heart disease of native coronary artery with unstable angina pectoris
Admit Date and Time	08/17/2015 7:00 AM
Patient Class	Inpatient
Diagnosis Type	Working
Diagnosis	Angina pectoris, unspecified

Observations[*]

Observation Results Information

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

Observation Results Information

Element	Data
Observation Identifier	Patient Location/ Hospital Unit
Observation Value	Medical cardiac critical care unit
Units	
Observation Results Status	Final results; Can only be changed with a corrected result.

Observation Results Information

Element	Data
Observation Identifier	Age Time Patient Reported
Observation Value	51
Units	year
Observation Results Status	Final results; Can only be changed with a corrected result.

Observation Results Information

Element	Data
Observation Identifier	Height
Observation Value	72
Units	inch
Observation Results Status	Final results; Can only be changed with a corrected result.

Observation Results Information

Element	Data
Observation Identifier	Weight
Observation Value	235
Units	pound
Observation Results Status	Final results; Can only be changed with a corrected result.

Observation Results Information

Element	Data
Observation Identifier	Tobacco Smoking Status
Observation Value	Current Light tobacco smoker
Units	
Observation Results Status	Final results; Can only be changed with a corrected result.

4.1.2. SS-IP-4.2_Discharge_A03

Patient Discharged from Hospital to Home

Test Story

Description
At 9:00 AM the next day, August 18, 2015, the patient is visited by the surgeon and an attending physician who perform a physical to check for signs and symptoms of any post-operation compilations. The patient reports that he is not experiencing any chest pain. The physicians both observe that the patient has signs of cardiac arrhythmia (I49.9), but conclude that he is otherwise in good condition. They clear the patient for discharge. At 12:00 PM the patient goes home. Mountainview General Hospital reports inpatient syndromic surveillance data to the state health department (SHD) for all new patient discharges once per day. At 1:00 AM on August 19, 2015, the hospital's electronic health record module for syndromic surveillance data assembles and transmits an ADT^A03 Discharge message about this encounter to SHD.

Comments
This Test Case provides an example of an inpatient visit where syndromic surveillance data are sent to a public health agency in accordance with guidelines recommended by the International Society for Disease Surveillance. The dates and times in this test case illustrate the sequence of clinical and messaging events. Since the exact dates and times are not reproducible when modeling the test case with EHR technology, only date and time format will be validated within tester submitted test data. ICD-10 diagnosis codes are acceptable with or without decimals.

Pre Condition
A01-Admission message is sent before A03-Discharge message.

Post Condition
No PostCondition

Test Objectives
This test case examines a Health IT Module's ability to create ADT^A03 Discharge message within PHIN Messaging Guide's conformance requirements.

Evaluation Criteria
No evaluation criteria

Notes for Testers
HIT developers must demonstrate that their system supports ICD-9CM, ICD-10CM, and SNOMED CT value sets in order to be conformant to the PHIN Syndromic Surveillance Messaging Guide, Rel2.0, April 2015. If an HIT developer identifies the Inpatient setting as the only health care setting applicable to their system, the Tester must execute the certification testing for this Test Step by having the system create messages (1) using the ICD-10CM codes provided in the test data for PV2-3 and DG1-3 in a test message, (2) using clinically appropriate (equivalent to the ICD-10CM codes provided in the test data) and valid ICD-9CM codes provided by the vendor for PV2-3 and DG1-3 in a test message, and (3) using clinically appropriate (equivalent to the ICD-10CM codes provided in the test data) and valid SNOMED CT codes provided by the vendor for PV2-3 and DG1-3 in a test message. The Tester must perform visual inspection of the test messages created by the system in order to determine whether PV2-3 and DG1-3 fields are

populated with appropriate and valid ICD-9CM and SNOMED CT codes.

ICD-10CM codes are provided in the test data for coding the admit/encounter reason and final diagnosis. If the vendor uses different but equivalent ICD-10CM codes than the ones provided, the Tester may ignore errors generated by the Test Tool related to incorrect code when the ICD-10 codes used in the message are determined to be valid codes.

ICD-10CM and ICD-9CM diagnosis codes are acceptable with or without decimals.

Visit Number ID (PV1-19.1) must be populated with the same value for all messages included in this Test Case to reflect the requirement in real-world installations. Test Tool does not automatically test for this requirement, so Testers must manually inspect the messages to verify that PV1-19.1 is the same for all Test Step messages for a given Test Case.

Message Contents

MSH : Message Header

Location	Data Element	Data	Categorization
MSH-1	Field Separator	|	Value-Profile Fixed
MSH-2	Encoding Characters	^~\&	Value-Profile Fixed
MSH-4	Sending Facility		
MSH-4.1	Namespace ID	MountainviewGeneral	Presence-Configuration
MSH-4.2	Universal ID	1231231236	Presence-Configuration
MSH-4.3	Universal ID Type	NPI	Presence-Configuration
MSH-7	Date/Time Of Message		
MSH-7.1	Time	201508190100	Presence-System Generated
MSH-9	Message Type		
MSH-9.1	Message Code	ADT	Value-Profile Fixed
MSH-9.2	Trigger Event	A03	Value-Profile Fixed
MSH-9.3	Message Structure	ADT_A03	Value-Profile Fixed
MSH-10	Message Control ID	NIST-SS-003.31	Presence-System Generated
MSH-11	Processing ID		
MSH-11.1	Processing ID	P	Presence-Content Indifferent
MSH-12	Version ID		
MSH-12.1	Version ID	2.5.1	Value-Profile Fixed
MSH-15	Accept Acknowledgment Type	AL	Value-Profile Fixed
MSH-16	Application Acknowledgment Type		Indifferent
MSH-21	Message Profile Identifier		
MSH-21.1	Entity Identifier	PH_SS-Ack	Value-Profile Fixed
MSH-21.2	Namespace ID	SS Sender	Value-Profile Fixed
MSH-21.3	Universal ID	2.16.840.1.114222.4.10.3	Value-Profile Fixed
MSH-21.4	Universal ID Type	ISO	Value-Profile Fixed

EVN : Event Type

Location	Data Element	Data	Categorization
EVN-2	Recorded Date/Time		
EVN-2.1	Time	201508180100	Presence-System Generated
EVN-7	Event Facility		
EVN-7.1	Namespace ID	MountainviewGeneral	Presence-Content Indifferent
EVN-7.2	Universal ID	1231231236	Presence-Content Indifferent
EVN-7.3	Universal ID Type	NPI	Presence-Configuration

PID : Patient Identification

Location	Data Element	Data	Categorization
PID-1	Set ID - PID	1	Value-Profile Fixed
PID-3	Patient Identifier List		
PID-3.1	ID Number	3333	Presence-Content Indifferent
PID-3.4	Assigning Authority		
PID-3.4.1	Namespace ID	MountainviewGeneral	Presence-Content Indifferent
PID-3.4.2	Universal ID	1231231236	Presence-Content Indifferent
PID-3.4.3	Universal ID Type	NPI	Presence-Configuration
PID-5[1]	Patient Name		
PID-5[1].7	Name Type Code		NonPresence
PID-5[2]	Patient Name		
PID-5[2].7	Name Type Code	S	Value-Test Case Fixed
PID-8	Administrative Sex	M	Value-Test Case Fixed
PID-10	Race		
PID-10.1	Identifier	2106-3	Value-Test Case Fixed
PID-10.2	Text	White	Presence-Test Case Proper
PID-10.3	Name of Coding System	CDCREC	Value-Profile Fixed
PID-11	Patient Address		
PID-11.3	City	Columbus	Presence-Content Indifferent
PID-11.4	State or Province	39	Presence-Content Indifferent
PID-11.5	Zip or Postal Code	43058	Presence-Content Indifferent
PID-11.6	Country	USA	Presence-Content Indifferent
PID-11.9	County/Parish Code	39049	Presence-Content Indifferent
PID-22	Ethnic Group		
PID-22.1	Identifier	2135-2	Value-Test Case Fixed
PID-22.2	Text	Hispanic or Latino	Presence-Test Case Proper
PID-22.3	Name of Coding System	CDCREC	Value-Profile Fixed
PID-29	Patient Death Date and Time		
PID-29.1	Time		NonPresence
PID-30	Patient Death Indicator		NonPresence

PV1 : Patient Visit

Location	Data Element	Data	Categorization
PV1-1	Set ID - PV1	1	Value-Profile Fixed
PV1-2	Patient Class	I	Value-Test Case Fixed
PV1-19	Visit Number		
PV1-19.1	ID Number	3333_001	Presence-Content Indifferent
PV1-19.4	Assigning Authority		
PV1-19.4.1	Namespace ID	MountainviewGeneral	Presence-Content Indifferent
PV1-19.4.2	Universal ID	1231231236	Presence-Content Indifferent
PV1-19.4.3	Universal ID Type	NPI	Presence-Configuration
PV1-36	Discharge Disposition	01	Value-Test Case Fixed
PV1-44	Admit Date/Time		
PV1-44.1	Time	201508170700	Presence-Content Indifferent
PV1-45	Discharge Date/Time		
PV1-45.1	Time	201508181200	Presence-Content Indifferent

PV2 : Patient Visit - Additional Information

Location	Data Element	Data	Categorization
PV2-3	Admit Reason		
PV2-3.1	Identifier	I25110	Value-Test Case Fixed List
PV2-3.2	Text	Atherosclerotic heart disease of native coronary artery with unstable angina pectoris	Presence-Test Case Proper
PV2-3.3	Name of Coding System	I10C	Value-Test Case Fixed

DG1 : Diagnosis

Location	Data Element	Data	Categorization
DG1-1	Set ID - DG1	1	Value-Profile Fixed
DG1-3	Diagnosis Code - DG1		
DG1-3.1	Identifier	I499	Value-Test Case Fixed List
DG1-3.2	Text	Cardiac arrhythmia, unspecified	Presence-Test Case Proper
DG1-3.3	Name of Coding System	I10C	Value-Test Case Fixed
DG1-6	Diagnosis Type	F	Value-Test Case Fixed

OBX[*]

OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	1	Value-Profile Fixed
OBX-2	Value Type	CWE	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	SS003	Value-Test Case Fixed
OBX-3.2	Text	Facility/Visit Type	Presence-Test Case Proper
OBX-3.3	Name of Coding System	PHINQUESTION	Value-Profile Fixed
OBX-5	Observation Value		
OBX-5.1	Identifier	1021-5	Value-Test Case Fixed
OBX-5.2	Text	Inpatient practice setting	Presence-Test Case Proper
OBX-5.3	Name of Coding System	HSLOC	Value-Profile Fixed
OBX-5.4	Alternate Identifier		Indifferent
OBX-5.5	Alternate Text		Indifferent
OBX-5.6	Name of Alternate Coding System		Indifferent
OBX-5.9	Original Text		Indifferent
OBX-6	Units		
OBX-6.1	Identifier		NonPresence
OBX-6.2	Text		NonPresence
OBX-6.3	Name of Coding System		NonPresence
OBX-11	Observation Result Status	F	Value-Test Case Fixed

OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	2	Value-Profile Fixed
OBX-2	Value Type	CWE	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	56816-2	Value-Profile Fixed
OBX-3.2	Text	PATIENT LOCATION	Presence-Content Indifferent
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-5	Observation Value		
OBX-5.1	Identifier	1028-0	Value-Test Case Fixed
OBX-5.2	Text	Medical cardiac critical care unit	Presence-Test Case Proper
OBX-5.3	Name of Coding System	HSLOC	Value-Profile Fixed
OBX-5.4	Alternate Identifier		Indifferent
OBX-5.5	Alternate Text		Indifferent
OBX-5.6	Name of Alternate Coding System		Indifferent
OBX-5.9	Original Text		Indifferent
OBX-6	Units		
OBX-6.1	Identifier		NonPresence
OBX-6.2	Text		NonPresence
OBX-6.3	Name of Coding System		NonPresence
OBX-11	Observation Result Status	F	Value-Test Case Fixed

OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	3	Value-Profile Fixed
OBX-2	Value Type	NM	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	21612-7	Value-Profile Fixed
OBX-3.2	Text	Age at Time Patient Reported	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-5	Observation Value	51	Value-Test Case Fixed
OBX-6	Units		
OBX-6.1	Identifier	a	Value-Test Case Fixed
OBX-6.2	Text	year	Presence-Test Case Proper
OBX-6.3	Name of Coding System	UCUM	Value-Profile Fixed
OBX-11	Observation Result Status	F	Value-Test Case Fixed

OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	4	Value-Profile Fixed
OBX-2	Value Type	NM	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	8302-2	Value-Profile Fixed
OBX-3.2	Text	Height	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-5	Observation Value	72	Value-Test Case Fixed
OBX-6	Units		
OBX-6.1	Identifier	[in_us]	Value-Test Case Fixed
OBX-6.2	Text	inch	Presence-Test Case Proper
OBX-6.3	Name of Coding System	UCUM	Value-Profile Fixed
OBX-11	Observation Result Status	F	Value-Test Case Fixed

OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	5	Value-Profile Fixed
OBX-2	Value Type	NM	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	3141-9	Value-Profile Fixed
OBX-3.2	Text	Weight	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-5	Observation Value	235	Value-Test Case Fixed
OBX-6	Units		
OBX-6.1	Identifier	[lb_av]	Value-Test Case Fixed
OBX-6.2	Text	pound	Presence-Test Case Proper
OBX-6.3	Name of Coding System	UCUM	Value-Profile Fixed
OBX-11	Observation Result Status	F	Value-Test Case Fixed

OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	6	Value-Profile Fixed
OBX-2	Value Type	CWE	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	72166-2	Value-Test Case Fixed
OBX-3.2	Text	Tobacco Smoking Status	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-5	Observation Value		
OBX-5.1	Identifier	428061000124105	Value-Test Case Fixed
OBX-5.2	Text	Current Light tobacco smoker	Presence-Test Case Proper
OBX-5.3	Name of Coding System	SCT	Value-Profile Fixed
OBX-5.4	Alternate Identifier		Indifferent
OBX-5.5	Alternate Text		Indifferent
OBX-5.6	Name of Alternate Coding System		Indifferent
OBX-5.9	Original Text		Indifferent
OBX-6	Units		
OBX-6.1	Identifier		NonPresence
OBX-6.2	Text		NonPresence
OBX-6.3	Name of Coding System		NonPresence
OBX-11	Observation Result Status	F	Value-Test Case Fixed

Test Data Specification

Patient Information

Element	Data
Name	Coded Pseudo-Name to ensure anonymity
Sex	Male
Race	White
Ethnic Group	Hispanic or Latino
City	Columbus
State	Ohio
Zip Code	43058
Country	UNITED STATES
County/Parish Code	39049
Patient Death Date and Time	
Patient Death Indicator	

Visit Information

Element	Data
Admit or Encounter Reason	Atherosclerotic heart disease of native coronary artery with unstable angina pectoris
Admit Date and Time	08/17/2015 7:00 AM
Patient Class	Inpatient
Discharge Disposition	Discharged to home or self care (routine discharge)
Discharge Date/Time	08/18/2015 12:00
Diagnosis Type	Final
Diagnosis	Cardiac arrhythmia, unspecified

Observations[*]

Observation Results Information

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

Observation Results Information

Element	Data
Observation Identifier	Patient Location/ Hospital Unit
Observation Value	Medical cardiac critical care unit
Units	
Observation Results Status	Final results; Can only be changed with a corrected result.

Observation Results Information

Element	Data
Observation Identifier	Age Time Patient Reported
Observation Value	51
Units	year
Observation Results Status	Final results; Can only be changed with a corrected result.

Observation Results Information

Element	Data
Observation Identifier	Height
Observation Value	72
Units	inch
Observation Results Status	Final results; Can only be changed with a corrected result.

Observation Results Information

Element	Data
Observation Identifier	Weight
Observation Value	235
Units	pound
Observation Results Status	Final results; Can only be changed with a corrected result.

Observation Results Information

Element	Data
Observation Identifier	Tobacco Smoking Status
Observation Value	Current Light tobacco smoker
Units	
Observation Results Status	Final results; Can only be changed with a corrected result.