

# **SS\_1\_2\_UC\_Visit**

# **Syndromic Test Case SS\_1\_1.2**

## **UC Visit - Registration**

### **Step1**

#### **A04 Message**

# Test Story

## Description

A 35 year old female walks into Midtown Urgent Care on August 17, 2012 at 12:00 pm. The patient is registered by a clerical assistant who records the patient's name, date of birth, residence information, race, ethnicity, and records that the patient's reason for visit is, "Fever, chills, smelly urine with burning during urination." Midtown Urgent Care routinely sends electronic Syndromic surveillance data to the Big City Health Department in accordance with a city regulation. Midtown Urgent Care sends their electronic syndromic surveillance data through their processing center, Down Town Processing. The hospital's electronic health record module for Syndromic surveillance data assembles and transmits two messages related to this encounter. One Registration ADT message is sent at 12:30 pm on August 17, 2012. The patient's age is required to be sent in years.

## Pre Condition

NO PreCondition.

## Post Condition

NO PostCondition.

## Test Objectives

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

## Notes to Testers

NO Note.

# Test Data Specification

## Patient Information

Element Name	Data
Name	Coded Pseudo-Name to ensure anonymity
Gender	Female
Race	White
Ethnic Group	Hispanic or Latino
Zip Code	30303
County/Parish Code	13121
Patient Death Date and Time	

## Visit Information

Element Name	Data
Admit Date and Time	08/17/2012 12:00 p.m.
Discharge Disposition	

## Observation Results Information

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

## Observation Results Information

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

Observation Results Information

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

# Message Content Data Sheet

## Test Case Information

UC Visit - Registration	
Test Case ID	SS_1_1.2-A04

## MSH : Message Header Segment

Location	Data Element	Data	Categorization
MSH.1	Field Separator		IG Fixed Data
MSH.2	Encoding Characters	^~\&	IG Fixed Data
MSH.4	Sending Facility		
MSH.4.1	Namespace ID	DownTownProcessing	Configurable Data
MSH.4.2	Universal ID	2231237890	Configurable Data
MSH.4.3	Universal ID Type	NPI	Configurable Data
MSH.7	Date/Time Of Message		
MSH.7.1	Time	201208171230	Changeable Data
MSH.9	Message Type		
MSH.9.1	Message Code	ADT	IG Fixed Data
MSH.9.2	Event Type	A04	IG Fixed Data
MSH.9.3	Message Structure	ADT_A01	IG Fixed Data
MSH.10	Message Control ID	NIST-SS-TC-XXX.XX	Changeable Data
MSH.11	Processing ID		
MSH.11.1	Processing ID	P	Changeable Data
MSH.12	VersionID		
MSH.12.1	Version ID	2.5.1	IG Fixed Data
MSH.21	Message Profile Identifier		
MSH.21.1	Entity Identifier	PH_SS-NoAck	IG Fixed Data
MSH.21.2	Namespace ID	SS Sender	IG Fixed Data
MSH.21.3	Universal ID	2.16.840.1.114222.4.10.3	IG Fixed Data
MSH.21.4	Universal ID Type	ISO	IG Fixed Data

EVN : Event Type Segment

Location	Data Element	Data	Categorization
<b>EVN.2</b>	<b>Recorded Date/Time</b>		
EVN.2.1	Time	201208171230	Changeable Data
<b>EVN.7</b>	<b>Event Facility</b>		
EVN.7.1	Namespace ID	MidTwnUrgentC	Configurable Data
EVN.7.2	Universal ID	2231231234	Configurable Data
EVN.7.3	Universal ID Type	NPI	Configurable Data

PID : Patient Identification Segment

Location	Data Element	Data	Categorization
<b>PID.1</b>	<b>Set ID - PID</b>	1	IG Fixed Data
<b>PID.3</b>	<b>Patient Identifier List</b>		
PID.3.1	ID Number	2222	Changeable Data
PID.3.5	Identifier Type Code	MR	Changeable Data
<b>PID.5[1]</b>	<b>Patient Name</b>		
PID.5[1].7	Name Type Code		
<b>PID.5[2]</b>	<b>Patient Name</b>		
PID.5[2].7	Name Type Code	S	Changeable Data
<b>PID.8</b>	<b>Administrative Sex</b>	F	Test Case Fixed Data
<b>PID.10</b>	<b>Race</b>		
PID.10.1	Identifier	2106-3	Changeable Data
PID.10.3	Name of Coding System	CDCREC	Changeable Data
<b>PID.11</b>	<b>Patient Address</b>		
PID.11.5	Zip or Postal Code	30303	Test Case Fixed Data
PID.11.9	County/Parish Code	13121	Changeable Data
<b>PID.22</b>	<b>Ethnic Group</b>		
PID.22.1	Identifier	2135-2	Changeable Data
PID.22.3	Name of Coding System	CDCREC	Changeable Data
<b>PID.29</b>	<b>Patient Death Date and Time</b>		
PID.29.1	Time		
<b>PID.30</b>	<b>Patient Death Indicator</b>		

PV1 : Patient Visit information

Location	Data Element	Data	Categorization
<b>PV1.1</b>	<b>Set ID - PV1</b>	1	IG Fixed Data
<b>PV1.19</b>	<b>Visit Number</b>		
PV1.19.1	ID Number	2222_001	Changeable Data
PV1.19.5	Identifier Type Code	VN	IG Fixed Data
<b>PV1.36</b>	<b>Discharge Disposition</b>		
<b>PV1.44</b>	<b>Admit Date/Time</b>		
PV1.44.1	Time	201208171200	Changeable Data

OBX : Observation/Result Segment

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



OBX : Observation/Result Segment

Location	Data Element	Data	Categorization
OBX.1	Set ID	2	IG Fixed Data
OBX.2	Value Type	NM	Test Case Fixed Data
OBX.3	Observation Identifier		
OBX.3.1	Identifier	21612-7	Test Case Fixed Data
OBX.3.3	Name of Coding System	LN	Test Case Fixed Data
OBX.5	Observation Value	35	Test Case Fixed Data
OBX.6	Units		
OBX.6.1	Identifier	a	Test Case Fixed Data
OBX.6.3	Name of Coding System	UCUM	Test Case Fixed Data
OBX.11	Observation Result Status	F	Test Case Fixed Data

OBX : Observation/Result Segment

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

# HL7 Message

MSH|^~\&||DownTownProcessing^2231237890^NPI||201208171230||ADT^A04^ADT\_A01|NIST-SS-001.12|P|2.5.1|||||PH\_SS-NoAck^SS  
Sender^2.16.840.1.114222.4.10.3^ISO

EVN||201208171230||||MidTwnUrgentC^2231231234^NPI

PID|1||2222^^^^MR||^~^S||F||2106-3^^CDCREC|^30303^^^13121|||||2135-2^^CDCREC

PV1|1|||||2222\_001^^^VN|||||201208171200

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

OBX|2|NM|21612-7^^LN||35|a^^UCUM||||F

OBX|3|CWE|8661-1^^LN||^Fever, chills, smelly urine with burning during urination||||F

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

# **Syndromic Test Case SS\_1\_2.2**

**UC Visit - Discharge**

**Step2**

**A03 Message**

# Test Story

## Description

Once seen and examined by a nurse practitioner at 12:30 PM. Following the patient's examination, the nurse explains that the patient has a urinary tract infection, assigns a diagnosis code of 599.0 within the EHR, and prescribed a course of antibiotics. The patient is discharged from the Urgent Care Center at 12:45 PM. Midtown Urgent Care routinely sends electronic Syndromic surveillance data to the Big City Health Department in accordance with a city regulation. Midtown Urgent Care sends their electronic syndromic surveillance data through their processing center, Down Town Processing. The hospital's electronic health record module for Syndromic surveillance data assembles and transmits two messages related to this encounter. One Discharge message is sent at 2:30 pm on August 17, 2012. The patient's age is required to be sent in years.

## Pre Condition

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

## Post Condition

NO PostCondition.

## Test Objectives

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

## Notes to Testers

NO Note.

# Test Data Specification

## Patient Information

Element Name	Data
Name	Coded Pseudo-Name to ensure anonymity
Gender	Female
Race	White
Ethnic Group	Hispanic or Latino
Zip Code	30303
County/Parish Code	13121
Patient Death Date and Time	

## Visit Information

Element Name	Data
Admit Date and Time	08/17/2012 12:00 p.m.
Discharge Disposition	Discharged to home or self care (routine discharge)
Diagnosis Type	Final
Diagnosis	Urinary tract infection, site not specified

## Observation Results Information

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

## Observation Results Information

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

### Observation Results Information

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

# Message Content Data Sheet

## Test Case Information

UC Visit - Discharge	
Test Case ID	SS_1_2.2-A03

## MSH : Message Header Segment

Location	Data Element	Data	Categorization
MSH.1	Field Separator		IG Fixed Data
MSH.2	Encoding Characters	^~\&	IG Fixed Data
MSH.4	Sending Facility		
MSH.4.1	Namespace ID	DownTownProcessing	Configurable Data
MSH.4.2	Universal ID	2231237890	Configurable Data
MSH.4.3	Universal ID Type	NPI	Configurable Data
MSH.7	Date/Time Of Message		
MSH.7.1	Time	201208171430	Changeable Data
MSH.9	Message Type		
MSH.9.1	Message Code	ADT	IG Fixed Data
MSH.9.2	Event Type	A03	IG Fixed Data
MSH.9.3	Message Structure	ADT_A03	IG Fixed Data
MSH.10	Message Control ID	NIST-SS-TC-XXX.XX	Changeable Data
MSH.11	Processing ID		
MSH.11.1	Processing ID	P	Changeable Data
MSH.12	VersionID		
MSH.12.1	Version ID	2.5.1	IG Fixed Data
MSH.21	Message Profile Identifier		
MSH.21.1	Entity Identifier	PH_SS-NoAck	IG Fixed Data
MSH.21.2	Namespace ID	SS Sender	IG Fixed Data
MSH.21.3	Universal ID	2.16.840.1.114222.4.10.3	IG Fixed Data
MSH.21.4	Universal ID Type	ISO	IG Fixed Data

EVN : Event Type Segment

Location	Data Element	Data	Categorization
<b>EVN.2</b>	<b>Recorded Date/Time</b>		
EVN.2.1	Time	201208171430	Changeable Data
<b>EVN.7</b>	<b>Event Facility</b>		
EVN.7.1	Namespace ID	MidTwnUrgentC	Configurable Data
EVN.7.2	Universal ID	2231231234	Configurable Data
EVN.7.3	Universal ID Type	NPI	Configurable Data

PID : Patient Identification Segment

Location	Data Element	Data	Categorization
<b>PID.1</b>	<b>Set ID - PID</b>	1	IG Fixed Data
<b>PID.3</b>	<b>Patient Identifier List</b>		
PID.3.1	ID Number	2222	Changeable Data
PID.3.5	Identifier Type Code	MR	Changeable Data
<b>PID.5[1]</b>	<b>Patient Name</b>		
PID.5[1].7	Name Type Code		
<b>PID.5[2]</b>	<b>Patient Name</b>		
PID.5[2].7	Name Type Code	S	Changeable Data
<b>PID.8</b>	<b>Administrative Sex</b>	F	Test Case Fixed Data
<b>PID.10</b>	<b>Race</b>		
PID.10.1	Identifier	2106-3	Changeable Data
PID.10.3	Name of Coding System	CDCREC	Changeable Data
<b>PID.11</b>	<b>Patient Address</b>		
PID.11.5	Zip or Postal Code	30303	Test Case Fixed Data
PID.11.9	County/Parish Code	13121	Changeable Data
<b>PID.22</b>	<b>Ethnic Group</b>		
PID.22.1	Identifier	2135-2	Changeable Data
PID.22.3	Name of Coding System	CDCREC	Changeable Data
<b>PID.29</b>	<b>Patient Death Date and Time</b>		
PID.29.1	Time		
<b>PID.30</b>	<b>Patient Death Indicator</b>		



PV1 : Patient Visit information

Location	Data Element	Data	Categorization
<b>PV1.1</b>	<b>Set ID - PV1</b>	1	IG Fixed Data
<b>PV1.19</b>	<b>Visit Number</b>		
PV1.19.1	ID Number	2222_001	Changeable Data
PV1.19.5	Identifier Type Code	VN	IG Fixed Data
<b>PV1.36</b>	<b>Discharge Disposition</b>	01	Test Case Fixed Data
<b>PV1.44</b>	<b>Admit Date/Time</b>		
PV1.44.1	Time	201208171200	Changeable Data

DG1 : Diagnosis Segment

Location	Data Element	Data	Categorization
<b>DG1.1</b>	<b>Set ID - DG1</b>	1	IG Fixed Data
<b>DG1.3</b>	<b>Diagnosis Code - DG1</b>		
DG1.3.1	Identifier	599	Test Case Fixed Data
DG1.3.2	Text	Urinary tract infection, site not specified	Changeable Data
DG1.3.3	Name of Coding System	I9CDX	IG Fixed Data
<b>DG1.6</b>	<b>Diagnosis Type</b>	F	Test Case Fixed Data

OBX : Observation/Result Segment

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

OBX : Observation/Result Segment

Location	Data Element	Data	Categorization
<b>OBX.1</b>	<b>Set ID</b>	2	IG Fixed Data
<b>OBX.2</b>	<b>Value Type</b>	NM	Test Case Fixed Data
<b>OBX.3</b>	<b>Observation Identifier</b>		
OBX.3.1	Identifier	21612-7	Test Case Fixed Data
OBX.3.3	Name of Coding System	LN	Test Case Fixed Data
<b>OBX.5</b>	<b>Observation Value</b>	35	Test Case Fixed Data
<b>OBX.6</b>	<b>Units</b>		
OBX.6.1	Identifier	a	Test Case Fixed Data
OBX.6.3	Name of Coding System	UCUM	Test Case Fixed Data
<b>OBX.11</b>	<b>Observation Result Status</b>	F	Test Case Fixed Data

OBX : Observation/Result Segment

Location	Data Element	Data	Categorization
<b>OBX.1</b>	<b>Set ID</b>	3	IG Fixed Data
<b>OBX.2</b>	<b>Value Type</b>	CWE	Test Case Fixed Data
<b>OBX.3</b>	<b>Observation Identifier</b>		
OBX.3.1	Identifier	8661-1	Test Case Fixed Data
OBX.3.3	Name of Coding System	LN	Test Case Fixed Data
<b>OBX.5-CWE</b>	<b>Observation Value</b>		
OBX.5-CWE.1	Identifier		
OBX.5-CWE.2	Text	Fever, chills, smelly urine with burning during urination	Changeable Data
OBX.5-CWE.3	Name of Coding System		
OBX.5-CWE.4	Alternate Identifier		
OBX.5-CWE.5	Alternate Text		
OBX.5-CWE.6	Name of Alternate Coding System		
OBX.5-CWE.9	Original Text		
<b>OBX.6</b>	<b>Units</b>		
OBX.6.1	Identifier		
OBX.6.3	Name of Coding System		
<b>OBX.11</b>	<b>Observation Result Status</b>	F	Test Case Fixed Data

# HL7 Message

MSH|^~\&|DownTownProcessing^2231237890^NPI||201208171430||ADT^A03^ADT\_A03|NIST-SS-001.22|P|2.5.1|||||PH\_SS-NoAck^SS  
Sender^2.16.840.1.114222.4.10.3^ISO

EVN||201208171430||||MidTwnUrgentC^2231231234^NPI

PID|1||2222^^^^MR||^~^S||F||2106-3^^CDCREC|^30303^^^13121|||||2135-2^^CDCREC

PV1|1|||||2222\_001^^^VN|||||01|||||201208171200

DG1|1||599^Urinary tract infection, site not specified^I9CDX||F

OBX|1|CWE|SS003^^PHINQUESTION||251V00000X^Urgent Care^NUCC||||F

OBX|2|NM|21612-7^^LN||35|a^^UCUM||||F

OBX|3|CWE|8661-1^^LN||^Fever, chills, smelly urine with burning during urination||||F

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