

# **SS\_3\_2\_ED\_Visit\_Admit**

# **Syndromic Test Case SS\_3\_1.2**

## **ED Visit\_Admit - Registration**

### **Step1**

### **A04 Message**

# Test Story

## Description

At 9:30 pm on April 1, 2012, a 45 year old woman arrives at Lake Michigan Medical Center with her husband complaining of stomach problems and likely dehydration. Her husband describes severe gastrointestinal symptoms that began 4 days prior and have been growing steadily worse. The woman has been unable to keep eat or drink over the last 24 hours. Her reason for visit is recorded as diarrhea and likely dehydration and coded as ICD-9-CM 787.91, Diarrhea. Due to a known outbreak of cryptosporidium in the area the attending physician orders a stool sample for analysis in addition to blood work to check for dangerous levels of dehydration. Lake Michigan Medical Center reports Syndromic surveillance data to the state health department. The hospital's electronic health record module for Syndromic surveillance data assembles and transmits four messages related to this encounter. One Registration ADT message is sent at 10:00 pm on April 1, 2012.

## Pre Condition

NO PreCondition.

## Post Condition

NO PostCondition.

## Test Objectives

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

## Notes to Testers

NO Note.

# Test Data Specification

## Patient Information

Element Name	Data
Name	Coded Pseudo-Name to ensure anonymity
Gender	Female
Race	White
Ethnic Group	Not Hispanic or Latino
Zip Code	53217
County/Parish Code	55089
Patient Death Date and Time	

## Visit Information

Element Name	Data
Admit Date and Time	04/01/2012 19:30 p.m.
Discharge Disposition	
Diagnosis Type	Working
Diagnosis	Dehydration

## Observation Results Information

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

## Observation Results Information

Element Name	Data
Observation Identifier	Age Time Patient Reported
Observation Value	45
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	diarrhea and likely dehydration
Units	
Observation Results Status	Final results; Can only be changed with a corrected result.

Observation Results Information

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

# Message Content Data Sheet

## Test Case Information

ED Visit_Admit - Registration	
Test Case ID	SS_3_1.2-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	LakeMichMC	Configurable Data
MSH.4.2	Universal ID	9879874000	Configurable Data
MSH.4.3	Universal ID Type	NPI	Configurable Data
MSH.7	Date/Time Of Message		
MSH.7.1	Time	201204012000	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	201204012000	Changeable Data
<b>EVN.7</b>	<b>Event Facility</b>		
EVN.7.1	Namespace ID	LakeMichMC	Configurable Data
EVN.7.2	Universal ID	9879874000	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	33333	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	53217	Test Case Fixed Data
PID.11.9	County/Parish Code	55089	Changeable Data
<b>PID.22</b>	<b>Ethnic Group</b>		
PID.22.1	Identifier	2186-5	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	33333_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	201204011930	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	170300000X	Test Case Fixed Data
OBX.5-CWE.2	Text	Emergency Care	Changeable Data
OBX.5-CWE.3	Name of Coding System	NUCC	Test Case Fixed Data
OBX.5-CWE.4	Alternate Identifier		
OBX.5-CWE.5	Alternate Text		
OBX.5-CWE.6	Name of Alternate Coding System		
OBX.5-CWE.9	Original Text		
<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>	45	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	diarrhea and likely dehydration	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

OBX : Observation/Result Segment

Location	Data Element	Data	Categorization
<b>OBX.1</b>	<b>Set ID</b>	4	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	78791	Test Case Fixed Data
OBX.5-CWE.2	Text	Diarrhea	Changeable Data
OBX.5-CWE.3	Name of Coding System	I9CDX	Test Case Fixed Data
OBX.5-CWE.4	Alternate Identifier		
OBX.5-CWE.5	Alternate Text		
OBX.5-CWE.6	Name of Alternate Coding System		
OBX.5-CWE.9	Original Text		
<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

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	27651	Test Case Fixed Data
DG1.3.2	Text	Dehydration	Changeable Data
DG1.3.3	Name of Coding System	I9CDX	IG Fixed Data
<b>DG1.6</b>	<b>Diagnosis Type</b>	W	Test Case Fixed Data

# HL7 Message

MSH|^~\&||LakeMichMC^9879874000^NPI||201204012000||ADT^A04^ADT\_A01|NIST-SS-003.12|P|2.5.1|||||PH\_SS-NoAck^SS  
Sender^2.16.840.1.114222.4.10.3^ISO

EVN||201204012000||||LakeMichMC^9879874000^NPI

PID|1||33333^MR||^~^S||F||2106-3^CDCREC|^53217^55089|||||2186-5^CDCREC

PV1|1|||||33333\_001^VN|||||201204011930

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

OBX|2|NM|21612-7^LN||45|a^UCUM||||F

OBX|3|CWE|8661-1^LN|^diarrhea and likely dehydration||||F

OBX|4|CWE|8661-1^LN||78791^Diarrhea^I9CDX||||F

DG1|1||27651^Dehydration^I9CDX||W

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

# **Syndromic Test Case SS\_3\_2.2**

**ED Visit\_Admit - Update**

**Step2**

**A08 Message**

# Test Story

## Description

When the lab work returns the woman is found to be suffering from severe dehydration. The physician at this point decides to admit the patient for dehydration and likely cryptosporidium infection. At 12:30 am on April 2 the physician updates the record. Lake Michigan Medical Center reports Syndromic surveillance data to the state health department. The hospital's electronic health record module for Syndromic surveillance data assembles and transmits four messages related to this encounter. One Update message is sent at 12:30 am on April 2, 2012.

## Pre Condition

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

## Post Condition

NO PostCondition.

## Test Objectives

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

## Notes to Testers

NO Note.

# Test Data Specification

## Patient Information

Element Name	Data
Name	Coded Pseudo-Name to ensure anonymity
Gender	Female
Race	White
Ethnic Group	Not Hispanic or Latino
Zip Code	53217
County/Parish Code	55089
Patient Death Date and Time	

## Visit Information

Element Name	Data
Admit Date and Time	04/01/2012 19:30 p.m.
Discharge Disposition	
Diagnosis Type	Final
Diagnosis	Dehydration

## Observation Results Information

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

## Observation Results Information

Element Name	Data
Observation Identifier	Age Time Patient Reported
Observation Value	45
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	diarrhea and likely dehydration
Units	
Observation Results Status	Final results; Can only be changed with a corrected result.

Observation Results Information

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

# Message Content Data Sheet

## Test Case Information

ED Visit_Admit - Update	
Test Case ID	SS_3_2.2-A08

## MSH : Message Header Segment

Location	Data Element	Data	Categorization
MSH.1	Field Separator		IG Fixed Data
MSH.2	Encoding Characters	^~\&	IG Fixed Data
MSH.4	Sending Facility		
MSH.4.1	Namespace ID	LakeMichMC	Configurable Data
MSH.4.2	Universal ID	9879874000	Configurable Data
MSH.4.3	Universal ID Type	NPI	Configurable Data
MSH.7	Date/Time Of Message		
MSH.7.1	Time	201204020030	Changeable Data
MSH.9	Message Type		
MSH.9.1	Message Code	ADT	IG Fixed Data
MSH.9.2	Event Type	A08	IG Fixed Data
MSH.9.3	Message Structure	ADT_A01	IG Fixed Data
MSH.10	Message Control ID	NIST-SS-TC-XXX.XX	Changeable Data
MSH.11	Processing ID		
MSH.11.1	Processing ID	P	Changeable Data
MSH.12	VersionID		
MSH.12.1	Version ID	2.5.1	IG Fixed Data
MSH.21	Message Profile Identifier		
MSH.21.1	Entity Identifier	PH_SS-NoAck	IG Fixed Data
MSH.21.2	Namespace ID	SS Sender	IG Fixed Data
MSH.21.3	Universal ID	2.16.840.1.114222.4.10.3	IG Fixed Data
MSH.21.4	Universal ID Type	ISO	IG Fixed Data



EVN : Event Type Segment

Location	Data Element	Data	Categorization
<b>EVN.2</b>	<b>Recorded Date/Time</b>		
EVN.2.1	Time	201204020030	Changeable Data
<b>EVN.7</b>	<b>Event Facility</b>		
EVN.7.1	Namespace ID	LakeMichMC	Configurable Data
EVN.7.2	Universal ID	9879874000	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	33333	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	53217	Test Case Fixed Data
PID.11.9	County/Parish Code	55089	Changeable Data
<b>PID.22</b>	<b>Ethnic Group</b>		
PID.22.1	Identifier	2186-5	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	33333_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	201204011930	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	170300000X	Test Case Fixed Data
OBX.5-CWE.2	Text	Emergency Care	Changeable Data
OBX.5-CWE.3	Name of Coding System	NUCC	Test Case Fixed Data
OBX.5-CWE.4	Alternate Identifier		
OBX.5-CWE.5	Alternate Text		
OBX.5-CWE.6	Name of Alternate Coding System		
OBX.5-CWE.9	Original Text		
<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>	45	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	diarrhea and likely dehydration	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

OBX : Observation/Result Segment

Location	Data Element	Data	Categorization
<b>OBX.1</b>	<b>Set ID</b>	4	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	78791	Test Case Fixed Data
OBX.5-CWE.2	Text	Diarrhea	Changeable Data
OBX.5-CWE.3	Name of Coding System	I9CDX	Test Case Fixed Data
OBX.5-CWE.4	Alternate Identifier		
OBX.5-CWE.5	Alternate Text		
OBX.5-CWE.6	Name of Alternate Coding System		
OBX.5-CWE.9	Original Text		
<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

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	27651	Test Case Fixed Data
DG1.3.2	Text	Dehydration	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

# HL7 Message

MSH|^~\&||LakeMichMC^9879874000^NPI||201204020030||ADT^A08^ADT\_A01|NIST-SS-003.22|P|2.5.1|||||PH\_SS-NoAck^SS  
Sender^2.16.840.1.114222.4.10.3^ISO

EVN||201204020030||||LakeMichMC^9879874000^NPI

PID|1||33333^MR||^~^S||F||2106-3^CDCREC|^53217^55089|||||2186-5^CDCREC

PV1|1|||||33333\_001^VN|||||201204011930

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

OBX|2|NM|21612-7^LN||45|a^UCUM|||||F

OBX|3|CWE|8661-1^LN|^diarrhea and likely dehydration|||||F

OBX|4|CWE|8661-1^LN||78791^Diarrhea^I9CDX|||||F

DG1|1||27651^Dehydration^I9CDX|||||F

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

# **Syndromic Test Case SS\_3\_3.2**

**ED Visit\_Admit - Discharge**

**Step3**

**A03 Message**

# Test Story

## Description

When the lab work returns the woman is found to be suffering from severe dehydration. The physician at this point decides to admit the patient for dehydration and likely cryptosporidium infection. At 12:30 am on April 2 the physician updates the record and orders that the patient be discharged to inpatient care. Lake Michigan Medical Center reports Syndromic surveillance data to the state health department. The hospital's electronic health record module for Syndromic surveillance data assembles and transmits four messages related to this encounter. One Discharge message is sent at 1:00 am on April 2, 2012.

## Pre Condition

A08-Update message should be sent before A03-Discharge message.

## Post Condition

NO PostCondition.

## Test Objectives

This test case examines an EHR module's ability to create ADT A03-Discharge message, within the parameters of the PHIN Messaging Guide's conformance requirements. This Test Case provides an example of an ED visit for which the patient's reason for visit is captured as both free-text chief complaint and coded ICD-9 values.

## Notes to Testers

NO Note.

# Test Data Specification

## Patient Information

Element Name	Data
Name	Coded Pseudo-Name to ensure anonymity
Gender	Female
Race	White
Ethnic Group	Not Hispanic or Latino
Zip Code	53217
County/Parish Code	55089
Patient Death Date and Time	

## Visit Information

Element Name	Data
Admit Date and Time	04/01/2012 19:30 p.m.
Discharge Disposition	Admitted as an inpatient to this hospital
Diagnosis Type	Final
Diagnosis	Dehydration

## Observation Results Information

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

## Observation Results Information

Element Name	Data
Observation Identifier	Age Time Patient Reported
Observation Value	45
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	diarrhea and likely dehydration
Units	
Observation Results Status	Final results; Can only be changed with a corrected result.

Observation Results Information

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

# Message Content Data Sheet

## Test Case Information

ED Visit_Admit - Discharge	
Test Case ID	SS_3_3.2-A03

## MSH : Message Header Segment

Location	Data Element	Data	Categorization
<b>MSH.1</b>	<b>Field Separator</b>		IG Fixed Data
<b>MSH.2</b>	<b>Encoding Characters</b>	^~\&	IG Fixed Data
<b>MSH.4</b>	<b>Sending Facility</b>		
MSH.4.1	Namespace ID	LakeMichMC	Configurable Data
MSH.4.2	Universal ID	9879874000	Configurable Data
MSH.4.3	Universal ID Type	NPI	Configurable Data
<b>MSH.7</b>	<b>Date/Time Of Message</b>		
MSH.7.1	Time	201204020100	Changeable Data
<b>MSH.9</b>	<b>Message Type</b>		
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
<b>MSH.10</b>	<b>Message Control ID</b>	NIST-SS-TC-XXX.XX	Changeable Data
<b>MSH.11</b>	<b>Processing ID</b>		
MSH.11.1	Processing ID	P	Changeable Data
<b>MSH.12</b>	<b>VersionID</b>		
MSH.12.1	Version ID	2.5.1	IG Fixed Data
<b>MSH.21</b>	<b>Message Profile Identifier</b>		
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	201204020100	Changeable Data
<b>EVN.7</b>	<b>Event Facility</b>		
EVN.7.1	Namespace ID	LakeMichMC	Configurable Data
EVN.7.2	Universal ID	9879874000	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	33333	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	53217	Test Case Fixed Data
PID.11.9	County/Parish Code	55089	Changeable Data
<b>PID.22</b>	<b>Ethnic Group</b>		
PID.22.1	Identifier	2186-5	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	33333_001	Changeable Data
PV1.19.5	Identifier Type Code	VN	IG Fixed Data
<b>PV1.36</b>	<b>Discharge Disposition</b>	09	Test Case Fixed Data
<b>PV1.44</b>	<b>Admit Date/Time</b>		
PV1.44.1	Time	201204011930	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	27651	Test Case Fixed Data
DG1.3.2	Text	Dehydration	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	170300000X	Test Case Fixed Data
OBX.5-CWE.2	Text	Emergency Care	Changeable Data
OBX.5-CWE.3	Name of Coding System	NUCC	Test Case Fixed Data
OBX.5-CWE.4	Alternate Identifier		
OBX.5-CWE.5	Alternate Text		
OBX.5-CWE.6	Name of Alternate Coding System		
OBX.5-CWE.9	Original Text		
<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>	45	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	diarrhea and likely dehydration	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

OBX : Observation/Result Segment

Location	Data Element	Data	Categorization
<b>OBX.1</b>	<b>Set ID</b>	4	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	78791	Test Case Fixed Data
OBX.5-CWE.2	Text	Diarrhea	Changeable Data
OBX.5-CWE.3	Name of Coding System	I9CDX	Test Case Fixed Data
OBX.5-CWE.4	Alternate Identifier		
OBX.5-CWE.5	Alternate Text		
OBX.5-CWE.6	Name of Alternate Coding System		
OBX.5-CWE.9	Original Text		
<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|^~\&||LakeMichMC^9879874000^NPI||201204020100||ADT^A03^ADT\_A03|NIST-SS-003.32|P|2.5.1|||||PH\_SS-NoAck^SS  
Sender^2.16.840.1.114222.4.10.3^ISO

EVN||201204020100||||LakeMichMC^9879874000^NPI

PID|1||33333^^^^MR||^~~~~~^~~~~~S||F||2106-3^^CDCREC|^^^^53217^^^55089||||||2186-5^^CDCREC

PV1|1|||||||||33333\_001^^^VN|||||||||09||||||201204011930

DG1|1||27651^Dehydration^I9CDX|||F

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

OBX|2|NM|21612-7^^LN||45|a^^UCUM|||||F

OBX|3|CWE|8661-1^^LN||^diarrhea and likely dehydration|||||F

OBX|4|CWE|8661-1^^LN||78791^Diarrhea^I9CDX|||||F

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



# **Syndromic Test Case SS\_3\_4.2**

**ED Visit\_Admit - Admission**

**Step4**

**A01 Message**

# Test Story

## Description

At 1:00 am the patient is discharged from the ED and admitted to the hospital for further observation. Lake Michigan Medical Center reports Syndromic surveillance data to the state health department. The hospital's electronic health record module for Syndromic surveillance data assembles and transmits four messages related to this encounter. One admission ADT message is sent at 1:00 am on April 2, 2012.

## Pre Condition

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

## Post Condition

NO PostCondition.

## Test Objectives

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

## Notes to Testers

NO Note.

# Test Data Specification

## Patient Information

Element Name	Data
Name	Coded Pseudo-Name to ensure anonymity
Gender	Female
Race	White
Ethnic Group	Not Hispanic or Latino
Zip Code	53217
County/Parish Code	55089
Patient Death Date and Time	

## Visit Information

Element Name	Data
Admit Date and Time	04/01/2012 19:30 p.m.
Discharge Disposition	
Admit Reason	Dehydration
Diagnosis Type	Final
Diagnosis	Dehydration

## Observation Results Information

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

Observation Results Information

Element Name	Data
Observation Identifier	Age Time Patient Reported
Observation Value	45
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	diarrhea and likely dehydration
Units	
Observation Results Status	Final results; Can only be changed with a corrected result.

Observation Results Information

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

# Message Content Data Sheet

## Test Case Information

ED Visit_Admit - Admission	
Test Case ID	SS_3_4.2-A01

## MSH : Message Header Segment

Location	Data Element	Data	Categorization
<b>MSH.1</b>	<b>Field Separator</b>		IG Fixed Data
<b>MSH.2</b>	<b>Encoding Characters</b>	^~\&	IG Fixed Data
<b>MSH.4</b>	<b>Sending Facility</b>		
MSH.4.1	Namespace ID	LakeMichMC	Configurable Data
MSH.4.2	Universal ID	9879874000	Configurable Data
MSH.4.3	Universal ID Type	NPI	Configurable Data
<b>MSH.7</b>	<b>Date/Time Of Message</b>		
MSH.7.1	Time	201204020100	Changeable Data
<b>MSH.9</b>	<b>Message Type</b>		
MSH.9.1	Message Code	ADT	IG Fixed Data
MSH.9.2	Event Type	A01	IG Fixed Data
MSH.9.3	Message Structure	ADT_A01	IG Fixed Data
<b>MSH.10</b>	<b>Message Control ID</b>	NIST-SS-TC-XXX.XX	Changeable Data
<b>MSH.11</b>	<b>Processing ID</b>		
MSH.11.1	Processing ID	P	Changeable Data
<b>MSH.12</b>	<b>VersionID</b>		
MSH.12.1	Version ID	2.5.1	IG Fixed Data
<b>MSH.21</b>	<b>Message Profile Identifier</b>		
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	201204020100	Changeable Data
<b>EVN.7</b>	<b>Event Facility</b>		
EVN.7.1	Namespace ID	LakeMichMC	Configurable Data
EVN.7.2	Universal ID	9879874000	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	33333	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	53217	Test Case Fixed Data
PID.11.9	County/Parish Code	55089	Changeable Data
<b>PID.22</b>	<b>Ethnic Group</b>		
PID.22.1	Identifier	2186-5	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	33333_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	201204011930	Changeable Data

PV2 : Patient Visit - Additional Information Segment

Location	Data Element	Data	Categorization
<b>PV2.3</b>	<b>Admit Reason</b>		
PV2.3.1	Identifier	27651	Test Case Fixed Data
PV2.3.2	Text	Dehydration	Changeable Data
PV2.3.3	Name of Coding System	I9CDX	IG 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	170300000X	Test Case Fixed Data
OBX.5-CWE.2	Text	Emergency Care	Changeable Data
OBX.5-CWE.3	Name of Coding System	NUCC	Test Case Fixed Data
OBX.5-CWE.4	Alternate Identifier		
OBX.5-CWE.5	Alternate Text		
OBX.5-CWE.6	Name of Alternate Coding System		
OBX.5-CWE.9	Original Text		
<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>	45	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	diarrhea and likely dehydration	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



OBX : Observation/Result Segment

Location	Data Element	Data	Categorization
<b>OBX.1</b>	<b>Set ID</b>	4	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	78791	Test Case Fixed Data
OBX.5-CWE.2	Text	Diarrhea	Changeable Data
OBX.5-CWE.3	Name of Coding System	I9CDX	Test Case Fixed Data
OBX.5-CWE.4	Alternate Identifier		
OBX.5-CWE.5	Alternate Text		
OBX.5-CWE.6	Name of Alternate Coding System		
OBX.5-CWE.9	Original Text		
<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

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	27651	Test Case Fixed Data
DG1.3.2	Text	Dehydration	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

# HL7 Message

MSH|^~\&||LakeMichMC^9879874000^NPI||201204020100||ADT^A01^ADT\_A01|NIST-SS-003.42|P|2.5.1|||||PH\_SS-NoAck^SS  
Sender^2.16.840.1.114222.4.10.3^ISO

EVN||201204020100||||LakeMichMC^9879874000^NPI

PID|1||33333^^^^MR||^~~~~~^~~~~~S||F||2106-3^^CDCREC|^53217^^^55089|||||2186-5^^CDCREC

PV1|1|||||33333\_001^^^VN|||||201204011930

PV2||27651^Dehydration^I9CDX

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

OBX|2|NM|21612-7^^LN||45|a^^UCUM||||F

OBX|3|CWE|8661-1^^LN||^diarrhea and likely dehydration||||F

OBX|4|CWE|8661-1^^LN||78791^Diarrhea^I9CDX||||F

DG1|1||27651^Dehydration^I9CDX||F

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