

Additional Information Specification 0001: **Ambulance Service Attachment**

(This specification replaces
*Additional Information Message 0001:
Ambulance Service Attachment*
May 2004)

Release 3.0
Based on HL7 CDA Standard Release 2.0,
with supporting LOINC® Tables

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1 Introduction

This publication provides the **defined data items and their corresponding** LOINC®¹ code values specific to an ambulance service attachment for the following applications.

- Those codes that **define-identify** the attachment or attachment components used in transactions such as those defined by the ASC X12N 277 *Health Care Claim Request for Additional Information* and the ASC X12N 275 *Additional Information to Support a Health Care Claim or Encounter* Implementation Guides which are products of the insurance subcommittee, X12N, of Accredited Standards Committee X12.^{2,3}
- **Those All of the** codes **may be** used in HL7 Clinical Document Architecture (CDA) documents designed for inclusion in the BIN segment of the 275 transaction as described in the *HL7 Additional Information Specification Implementation Guide*.⁴

The format of this document and the methods used to arrive at its contents are prescribed in the *HL7 Additional Information Specification Implementation Guide*.

Section 2 of this document **defines-identifies** the LOINC code used to request an ambulance attachment, and the LOINC codes of each component of the attachment. Section 0 further describes each component of the attachment, the cardinality of the components and their answer parts, and the description, entry types, data types, codes, and units of each answer part.

Section 4 presents coding examples, with a narrative scenario, an XML example, and a display image of the attachment using a popular browser. Section 5 further describes the code sets used in the response to each answer part of the attachment.

Note: All LOINC codes and descriptions are copyrighted by the Regenstrief Institute, with all rights reserved. See <http://www.LOINC.org>.

1.1 Business Purpose:

Additional Information Specifications (AIS) are used to convey information associated with a specific business purpose. AIS's are used to convey clinical and non-clinical **additional information documentation** to support other health care transactions, **such as the X12 837 claims and the X12 278 Health Care Services Review**

¹ LOINC® is a registered trademark of Regenstrief Institute and the LOINC Committee. The LOINC database and LOINC Users' Guide are copyright 1998-2004 Regenstrief Institute and the LOINC Committee and the LOINC database codes and names are available at no cost from <http://www.LOINC.org>. ~~Regenstrief Institute, 1050 Wishard Blvd., Indianapolis, IN 46202~~ Email: LOINC@regenstrief.org

²Information on this and other X12N/HIPAA-related implementation guides is available from the Washington Publishing Company, ~~177th Lane NE, Bellevue, WA 98008. Phone: 425-562-2245 or~~ <http://www.wpc-edi.com/>

³ Within this Health Level Seven document, references to the transaction defined by these X12N implementation guides will be abbreviated by calling them 275 and 277.

⁴ Health Level Seven, Inc. 3300 Washtenaw Ave., Suite 227, Ann Arbor, MI 48104-4250. (<http://www.hl7.org>)

The Ambulance Services attachment is used to convey information about emergency and non-emergency ambulance related services. In addition to information about the actual transport and any procedures or supplies, this attachment also includes non-clinical information such as the ordering practitioner and justification for the medical transport.

The items defined for electronic supporting documentation were developed by industry domain specific Work Groups and balloted through HL7. Many of the items described in the attachments are based on an analysis of paper forms that have been used by payers in the past. Each possible attachment item, however, has been reviewed for appropriateness in an electronic format.

When this attachment is used for a HIPAA transaction, please refer to the “definition” sub-section of the Claims Attachment Final Rule in the Federal Register for the HIPAA regulated standard definition of Ambulance Services.

1.2 LOINC Codes and Structure

LOINC codes are used for several purposes:

- In the 277 transaction set, LOINC codes identify the attachment type or attachment components being requested to support a claim or encounter.
- In the HL7 CDA document, LOINC codes are used to identify the attachment type, the attachment components, and their answer parts. LOINC codes may also identify the type of clinical document, if the provider has created the clinical document in CDA format. The HL7 CDA document is returned in the BIN segment of the 275 transaction set.
- LOINC modifier codes may be used in the 277 transaction to further define the specificity of a request.

For further information on the relationship and use of LOINC Codes with the X12N Transactions, and HL7 CDA Documents, see section 1.5 in the *HL7 Additional Information Specification Implementation Guide*.

1.3 Revision History

<i>Date</i>	<i>Purpose</i>
Sep 30, 1998	Initial release as separate document.
Dec 2001	Revised title and date; reconciled HL7 ballot responses
August 2003	CDA Ballot
December 2003	Version 2.0 Publication
December 2003	Release 2.1 Ballot
May 2004	May 2004 - Release 2.1 Publication (referenced by 9-23-2005 HIPAA NPRM)Release 2.1 Publication
November 2006	Release 3.0 Draft Changes for CDA R2 migration
March 2007	Second Informative Ballot for Release 3.0 Changes

1.4 Privacy Concerns in Examples

The names of natural persons that appear in the examples of this book are intentionally fictional. Any resemblance to actual natural persons, living or deceased, is purely coincidental.

1.5 HL7 Attachment-CDA Document Variants

As described in the *HL7 Additional Information Specification Implementation Guide*, there are two variants of a CDA document when used as an attachment. **These are as follows:**

- **The human-decision variant (HDV) is used solely for information that will be rendered for a person to look at, in order to make a decision. The HDV is not required to have structured or coded answers. The only LOINC value used in a HDV CDA document is the LOINC for the *Attachment Type Identifier*. HL7 provides a non-normative style sheet for this purpose. There are two further alternatives within the human-decision variant.**
 - **It can be a single <nonXMLBody> element that contains a reference to an external file that provides the content for the body of the document, or**
 - **It can contain a <structuredBody> element containing free text in XML elements that organize the material into sections, paragraphs, tables and lists as described in the *HL7 Additional Information Specification Implementation Guide*.**
- **The computer-decision variant (CDV) has the same content as the human-decision variant, but additional structured information and LOINC coded data is included so that a computer could provide decision support based on the document. Attachments in the CDV can be rendered for human decisions using the same style sheet that HL7 provides for rendering documents formatted according to the human-decision variant.**

These variants do not differ in functional content. All variants of the same attachment have required and optional content as specified in the Additional Information Specification document for that attachment. The variants only differ with regard to whether structured and coded data is mandated.

Both variants place constraints upon what information must be present in the CDA to support the Attachment use case, described in Section 1.1. Additional CDA structures (document sections, entries, at cetera), may be present to support use cases other than those defined by this AIS. Anything not explicitly prohibited by this AIS may be present in the CDA document to support use cases other than those defined herein.

~~The **human-decision variant** is used solely for information that will be rendered for a person to look at, in order to make a decision. HL7 provides a non-normative style sheet for this purpose. There are two further alternatives within the human-decision variant.~~

- ~~• It can be a single <nonXMLBody> element that contains a reference to an external file that provides the content for the body of the document, or~~
- ~~• it can contain a <structuredBody> element containing free text in XML elements that organize the material into sections, paragraphs, tables and lists as described in the *HL7 Additional Information Specification Implementation Guide*.~~

~~The **computer-decision variant** has the same content as the human-decision variant, but additional coded and structured information is included so that a computer could provide decision support based on the document. Attachments in the computer-decision variant can be rendered for human decisions using the same style sheet that HL7 provides for rendering documents formatted according to the human-decision variant.~~

1.6 Request for Information versus Request for Service

This attachment specification for ambulance services defines a “send-me-what-you-have” attachment. It asks for a set of ambulance attachment components gathered during the ambulance service. **It is not asking for any additional data capture efforts.** For example, if the request for data is to determine if the patient was admitted after ambulance transportation, it is **not** asking the provider to obtain the additional information if they don’t already have this information.

In any attachment component answer part it may sometimes be impossible to send a required answer and necessary to send, instead, a reason why the information is not available, using a “No Information” indicator. In the human decision variant the sender shall supplement the natural language explanation of why the information is not available. In the computer-decision variant the sender shall supplement the natural language explanation of why the information is not available with appropriate use of the @nullFlavor attribute value, as described in **“No Information” Indicator under the Representation of the** Data Types section of the *HL7 Additional Information Specification Implementation Guide*.

2 LOINC Codes

2.1 Ambulance Service Supporting Documentation

Table 2.1 defines the LOINC code used to request a complete attachment data set specific to ambulance service.

- Solicited Model - The use of this code in the 277 request in the STC segment represents an explicit request for the complete set of components relevant to the ambulance service.
- Unsolicited Model – The 275 ambulance attachment must use the complete attachment data set, using this LOINC code and including the required data elements in accordance with cardinality.

Table 2.1 Ambulance Service Attachment

<i>LOINC code</i>	<i>Description</i>
18682-5	AMBULANCE SERVICE ATTACHMENT

The provider shall return all data components for which data is available.

The provider may choose to return images of pages that constitute the requested information by using the <nonXMLBody> element of the CDA as described in the *HL7 Additional Information Specification Implementation Guide*.

The set of components for an ambulance service attachment, identified by individual LOINC codes, is defined in Section 2.3.

2.2 Scope Modification Codes

The HL7 publication *LOINC Modifier Codes (for use with ASC X12N Implementation Guides when Requesting Additional Information)* provides code values for further defining the specificity of a request for additional information. Both time window and item selection modifier codes are defined. This publication is available from HL7, and is in the download package with the AIS documents.

2.3 Special Consideration for the Ambulance Attachment

There are no unique special considerations for this attachment type.

2.3.2.4 Attachment Data Components

The questions that these LOINC codes represent are the result of a significant industry outreach project and represent the complete set of ambulance service attachment

components. Individual LOINC codes are defined for each component of the ambulance service attachment. These LOINC codes are listed below.

The LOINC code in Table 2.1, above, represents a request for the complete ambulance service attachment. However, the requester also has the option of focusing on one or more specific components of the attachment through the use of the LOINC codes defined in Table 2.3. In this case the provider will respond with information, where available, specific to the requested data components.

~~In the solicited model, these~~ **These** LOINC codes may be used in the 277 as defined in the associated X12N Implementation Guide and will be mirrored in the corresponding 275 response. In addition, these LOINC codes are used in the <code> element of the computer-decision variant of the *HL7 Additional Information Specification Implementation Guide*. ~~The questions that these LOINC codes represent are the result of a significant industry outreach project and represent the complete set of ambulance service attachment components.~~

Use of the component level LOINCs

- **Solicited Model – The use of any of the component level LOINCs in the 277 request in the STC segment represents an explicit request for the associated answer part(s) for that component. The LOINC used in the 277 request must be echoed back in the 275 and the appropriate answer part(s) sent in the HL7 CDA document. The required answer part(s) for the specific component LOINC requested must be sent in accordance with cardinality.**

Unsolicited Model – The 275 ambulance attachment must use the complete attachment data set, using this LOINC code and including the required data elements in accordance with cardinality.

~~The use of selected individual specific data components is not allowed for the unsolicited 275 ambulance attachment, see section 2.1.~~

Table 2.3 Components for Ambulance Service Attachment

Note: Any report noted as “Code To Be Determined” in the LOINC Code column has been submitted to Regenstrief Institute to determine the appropriate LOINC code

<i>LOINC code</i>	<i>Name</i>
18584-3	EMS-AMBULANCE TRANSPORT, BODY WEIGHT AT TRANSPORT (COMPOSITE)
15517-6	EMS TRANSPORT, TRANSPORT DIRECTION
15509-3	EMS-AMBULANCE TRANSPORT, RATIONALE FOR CHOICE OF DESTINATION
Code To Be Determined	AMBULANCE TRANSPORT, RATIONALE FOR TYPE OF TRANSPORT
15510-1	EMS-AMBULANCE TRANSPORT, DISTANCE TRANSPORTED INFORMATION (COMPOSITE)
15511-9	EMS-AMBULANCE TRANSPORT, ORIGINATION SITE INFORMATION (COMPOSITE)
15512-7	EMS-AMBULANCE TRANSPORT, DESTINATION SITE INFORMATION (COMPOSITE)
Code To Be Determined	AMBULANCE TRANSPORT, RATIONALE FOR WAIT TIME (COMPOSITE)
15513-5	EMS-AMBULANCE TRANSPORT, REASON FOR SCHEDULED TRIP (COMPOSITE)
18588-4	EMS TRANSPORT, PURPOSE OF STRETCHER

<i>LOINC code</i>	<i>Name</i>
Code To Be Determined	EMS-AMBULANCE TRANSPORT, NUMBER OF PATIENTS
Code To Be Determined	AMBULANCE TRANSPORT, REASON FOR MULTIPLE PATIENTS
Code To Be Determined	EMS-AMBULANCE TRANSPORT, OTHER PATIENTS INFORMATION NAME AND IDENTIFIER
18588-4	AMBULANCE TRANSPORT, PURPOSE OF STRETCHER
18589-2	EMS-AMBULANCE TRANSPORT, ADMITTED AT DESTINATION FACILITY ON TRANSFER
Code To Be Determined	AMBULANCE TRANSPORT, NAME OF REIVING INDIVIDUAL ACCEPTING RESPONSIBILITY FOR PATIENT
Code To Be Determined	EMS-AMBULANCE TRANSPORT, PATIENT CONFINED TO BED OR CHAIR INDICATOR
15514-3	EMS-AMBULANCE TRANSPORT, ORDERING PRACTITIONER OR AGENCY (COMPOSITE)
Code To Be Determined	EMS-AMBULANCE TRANSPORT, PHYSICIAN CERTIFICATION FOR TRANSPORT INDICATOR INFORMATION (COMPOSITE)
Code To Be Determined	AMBULANCE TRANSPORT, DESCRIPTION OF SERVICES PERFORMED TO SUPPORT LEVEL OF SERVICE
18593-4	EMS-AMBULANCE TRANSPORT, DISCHARGED FROM ORIGINATING FACILITY ON TRANSFER
15515-0	EMS-AMBULANCE TRANSPORT, MEDICAL REASON FOR UNSCHEDULED TRIP
15516-8	EMS-AMBULANCE TRANSPORT, JUSTIFICATION FOR EXTRA ATTENDANTS INFORMATION (COMPOSITE)

3

3 Ambulance Service Attachment Value Table

This table further describes the LOINC components listed in the above table, along with the expected answer part(s) for each question, including the entry type, data type, cardinality, and codes/units of each answer.

~~? Solicited Model – The use of any of the component level LOINC codes in the 277 request in the STC segment represents an explicit request for the associated answer part(s) for that component. The LOINC used in the 277 request must be echoed back in the 275 and the appropriate answer part(s) sent in the HL7 CDA document. The required answer part(s) for the specific component LOINC requested must be sent in accordance with cardinality.~~

~~? Unsolicited Model – The 275 ambulance attachment must use the complete attachment data set, using this LOINC code and including the required data elements in accordance with cardinality.~~

~~For HIPAA covered claims attachment transactions, this AIS explicitly defines all components/questions and their corresponding answer part(s) that can be required by a health plan to support an ambulance claim or encounter. Requirement of any component(s) or answer part(s) outside of this specification would constitute non-compliance with the standard. If additions or modifications to the content (components or answer parts) of this specification are needed, a request must be submitted to the HL7 Attachments Special Interest Group (ASIG). Requests for new or modified content will be considered for inclusion in a future version of this specification.~~

The provider shall return all data components for which data is available.

Value Table Layout

LOINC Code

Component – the LOINC code in **bold** identifies the question or the information being requested

Answer – the LOINC code for the answer part.

If there is a single answer part for a LOINC, the LOINC code is on the same line as the

Component. If there are multiple answer parts, the LOINC codes are in the next row in the table.

Description and Value – LOINC description and explanation

For the computer decision variant (CDV), the xpath statement is shown.

With the CDV, some answers are placed in the CDA header of the document and are noted as such with the answer. When using the HDV method, those answers ~~may~~ **may optionally** be placed in **either** the CDA header **or** ~~or they may be included in~~ the CDA body. **See the section on General Header Compliance Statements in the Implementation Guide for more details.**

Entry Type – CDA Release 2 type. This column describes the type of entry used in the CDA document to record the information.

Data Type – CDA Release 2 data type of the response value. For further information, see the Data Types section of the *HL7 Additional Information Specification Implementation Guide*.

Cardinality (Card)

HL7 uses the term Cardinality to refer to the specification of the number of times that a component may or must repeat. When the minimum number of repetitions is zero, the cardinality specification indicates optionality.

Cardinality is described as a pair of numbers, the first is the least number of repetitions that are required, and the second the greatest. The second number can also be “n” which means an unspecified number, more than one. The common patterns are

- 1,1** The attachment component or attachment component answer part is required; only a single occurrence is permitted
- 0,1** The attachment component or attachment component answer part is optional; at most a single occurrence is permitted
- 1,n** The attachment component or attachment component answer part is required; multiple occurrences are permitted
- 0,n** The attachment component or attachment component answer part is optional; multiple occurrences are permitted

The Card column describes repetition in the pattern of attachment components and attachment component answer parts. If such a value appears in a row containing a LOINC code for an attachment component, it describes whether the entire component (including one or more answer parts) can repeat. If a repetition value appears in a row containing LOINC code for an attachment component answer part, it indicates that the answer part can repeat within a single occurrence of the complete attachment component.

~~The minimum attachment data set equates to the required components; those identified in the value table, below, with cardinality (Card) of~~

- ~~{1,1} (component is required and has one and only one occurrence) or~~
- ~~{1,n} (component is required and has one or more occurrences).~~

~~Those data components with a cardinality of~~

- ~~{0,1} (if available has one and only one occurrence) or~~
- ~~{0,n} (if available may have one or more occurrences)~~
- ~~shall be sent if available.~~

Response Code/Numeric Units – References to code tables or numeric units. See section 5 for specifics.

Table 3-1 Ambulance Service Attachment Value Table

Note: Any report noted as “Code To Be Determined” in the LOINC Code column has been submitted to Regenstrief Institute to determine the appropriate LOINC code

LOINC Code		Entry Type	Data Type	Card	Response Code / Numeric Units
Component Answer Part	Description and Value				
18584-3	EMS AMBULANCE -TRANSPORT, BODY WEIGHT AT TRANSPORT (COMPOSITE)	OBS		0,1	

Must choose one response.

Weight will be reported in units of either kilograms (KG) or pounds (LB).

LOINC Code	Component Answer Part	Description and Value	Entry Type	Data Type	Card	Response Code / Numeric Units
	3141-9	BODY WEIGHT (MEASURED) or The xpath statement is expressed as: /ClinicalDocument//section[@code=' 18584- 3' and @codeSystem=LOINC]/entry/observation[@code=' 3141-9' and @codeSystem=LOINC]/ value/@value		PQ	0,1	[lb_av] or kg from UCUM
	3142-7	BODY WEIGHT (STATED) or The xpath statement is expressed as: /ClinicalDocument//section[@code=' 18584- 3' and @codeSystem=LOINC]/entry/observation[@code=' 3142-7' and @codeSystem=LOINC]/ value/@value		PQ	0,1	[lb_av] or kg from UCUM
	8335-2	BODY WEIGHT (ESTIMATED) The xpath statement is expressed as: /ClinicalDocument//section[@code=' 18584- 3' and @codeSystem=LOINC]/entry/observation[@code=' 8335-2' and @codeSystem=LOINC]/ value/@value		PQ	0,1	[lb_av] or kg from UCUM
	15517-6	EMS TRANSPORT, TRANSPORT DIRECTION I — Initial trip R — Return trip T — Transfer trip X — Round trip The xpath statement is expressed as: /ClinicalDocument//section[@code='15517-6' and @codeSystem=LOINC]/entry/observation[@code='15517-6' and @codeSystem=LOINC]/value/@value	OBS	CD	1,1	HL79007
	15509-3 15509-3	EMS AMBULANCE -TRANSPORT, RATIONALE FOR CHOICE OF DESTINATION See Section 5 for list of codes. The xpath statement is expressed as: /ClinicalDocument//section[@code=' 15509- 3' and @codeSystem=LOINC]/entry/observation[@code=' 15509- 3' and @codeSystem=LOINC]/value/@value	OBS	CD	1,1n	Subset of SNOMED CT
LOINC TBD		AMBULANCE TRANSPORT, RATIONALE FOR TYPE OF TRANSPORT Provides a narrative as to the rationale for the type of transport provided such as rotary air over fixed wing, water craft, air versus ground. The xpath statement is expressed as: /ClinicalDocument//section[@code=' TBD' and @codeSystem=LOINC]/text The xpath statement is expressed as: Add xpath expression here...	Section	ED	0,1	

LOINC Code	Component Answer Part	Description and Value	Entry Type	Data Type	Card	Response Code / Numeric Units
15510-1 15510-1		EMS-AMBULANCE TRANSPORT, DISTANCE AND TIME TRANSPORTED INFORMATION (COMPOSITE) Information about the number of miles traveled during this ambulance service, type of miles, the rationale for excess/additional miles, the relevant times, and if the ambulance was loaded with a patient(s) or not. The xpath statement is expressed as: /ClinicalDocument//section[@code='15510-1' and @codeSystem='SLOINC']/entry/observation[@code='15510-1' and @codeSystem='SLOINC']/value/@value	OBS	PQ	1,1n	Must be [mi_us] (miles), from UCUM
LOINC TBD		AMBULANCE TRANSPORT, DISTANCE AND TIME TRANSPORTED INFORMATION – LOADED/UNLOADED INDICATOR Identifies whether the number of miles being reported are miles with a patient loaded on board (L) or not loaded on board (U). U—Unloaded (no patients on board) L—Loaded (Patient(s) on board) true = patients loaded on board false = no patients loaded on board The xpath statement is expressed as: The xpath statement is expressed as: /ClinicalDocument//section[@code='15510-1' and @codeSystem='SLOINC']/entry/observation[@code='TBD' and @codeSystem='SLOINC']/value/@value Add xpath expression...		CDBL	1,1	HL79050
LOINC TBD		AMBULANCE TRANSPORT, DISTANCE AND TIME TRANSPORTED INFORMATION – MILEAGE Identifies the number of miles transported. For rotary aircraft, fixed wing aircrafts, or water tranport, this may be reported in nautical miles. Requirements for which type of miles to use will be defined by your trading partner. The xpath statement is expressed as: /ClinicalDocument//section[@code='15510-1' and @codeSystem='SLOINC']/entry/observation[@code='15510-1' and @codeSystem='SLOINC']/value/@value		PQ	1,1	Must be [mi_us] (miles) or [nmi_i] (nautical miles) from UCUM

LOINC Code	Component Answer Part	Description and Value	Entry Type	Data Type	Card	Response Code / Numeric Units
LOINC TBD		<p>AMBULANCE TRANSPORT, DISTANCE AND TIME TRANSPORTED INFORMATION – RATIONALE FOR EXCESS/ADDITIONAL MILEAGE</p> <p>Defines the rational for excess/additional mileage billed when circumstances require additional mileage.</p> <p>Define the rationale using values from table HL9051 or if some other value is needed that is not in this table, indicate this by setting the nullFlavor attribute of the <value> element to 'OTH'. The accompanying text with the XML statement will provide the description of the “other” rationale.</p> <p>W – Weather E – Equipment V- Vectoring T – Terrain R – Road Conditions O – Other</p> <p>The xpath statement is expressed as: /ClinicalDocument//section[@code='15510-1' and @codeSystem=\$LOINC]/entry/observation[@code='TBD' and @codeSystem=\$LOINC]/value/@value Add xpath expression...</p> <p>as the code /ClinicalDocument//section[@code='15510-1' and @codeSystem=\$LOINC]/entry/observation[@code='TBD' and @codeSystem=\$LOINC]/text</p>		CD	0,n	HL9051
LOINC TBD		<p>AMBULANCE TRANSPORT, DISTANCE AND TIME TRANSPORTED INFORMATION – TRANSPORT AT SCENE TIME</p> <p>Identifies the time of the ambulance at scene arrival.</p> <p>The xpath statement is expressed as: /ClinicalDocument//section[@code='15510-1' and @codeSystem=\$LOINC]/entry/observation[@code='TBD' and @codeSystem=\$LOINC]/value/@value Add xpath expression...</p>		TS	0,1	

LOINC Code		Entry Type	Data Type	Card	Response Code / Numeric Units
Component Answer Part	Description and Value				
115511-9 15511-9	EMS-AMBULANCE TRANSPORT, ORIGINATION SITE INFORMATION (COMPOSITE) Contains information about the origination site. A name describing the place from which the patient was transported; may be "home" or "office". It includes the Origination Site Name and the Origination Site Address. The xpath statement is expressed as: EMS TRANSPORT, ORIGINATION SITE NAME /ClinicalDocument//section[@code='15511-9' and @codeSystem=\$LOINC]/entry/act[@code='15511-9' and @codeSystem=\$LOINC]/participant[@typeCode='ORG']/participantRole/playingEntity/name EMS TRANSPORT, ORIGINATION SITE ADDRESS /ClinicalDocument//section[@code='15511-9' and @codeSystem=\$LOINC]/entry/act[@code='15511-9' and @codeSystem=\$LOINC]/participant[@typeCode='ORG']/participantRole/addr	PART		1,1	
			EN		
			AD		

LOINC Code	Component Answer Part	Description and Value	Entry Type	Data Type	Card	Response Code / Numeric Units
LOINC TBD		AMBULANCE TRANSPORT, ORIGINATION SITE INFORMATION – NAME AND ADDRESS				
		TRANSPORT, ORIGINATION SITE NAME A name describing the place from which the patient was transported; may be “home”, “office” or general location like the name of a reservation, campground, etc .		EN	0,1	
		The xpath statement is expressed as: /Clinical Document//section[@code='xxxxx-x' and @codeSystem=\$LOINC]/entry/act[@code='xxxxx-x' and @codeSystem=\$LOINC]/participant[@typeCode='ORG']/participantRole/playingEntity/name		AD	1,1	
		TRANSPORT, ORIGINATION SITE ADDRESS The physical address of the origination location. If this is a junction of two locations the address can be denoted by the two cross streets of the physical location.				
		The xpath statement is expressed as: /Clinical Document//section[@code='xxxxx-x' and @codeSystem=\$LOINC]/entry/act[@code='xxxxx-x' and @codeSystem=\$LOINC]/participant[@typeCode='ORG']/participantRole/addr				
LOINC TBD		AMBULANCE TRANSPORT, ORIGINATION SITE INFORMATION – GPS COORDINATE The GPS coordinate of the origination site. This can be used for fixed wing aircraft, rotary wing aircraft or water transport.		PQ	0,1	UCUM
		The xpath statement is expressed as: Add xpath expression...				
LOINC TBD		LATITUDE COORDINATE The latitude coordinate of the site.		PQ	0,1	UCUM
		This can be used for fixed wing aircraft, rotary wing aircraft or water transport.				
		The xpath statement is expressed as: /ClinicalDocument//section[@code='15511-9' and @codeSystem=\$LOINC]/observation[@code='TBD' and @codeSystem=\$LOINC]/value/@value				

LOINC Code		Entry Type	Data Type	Card	Response Code / Numeric Units
Component Answer Part	Description and Value				

LOINC LONGITUDE COORDINATE**TBD The longitude coordinate of the site.**

This can be used for fixed wing aircraft, rotary wing aircraft or water transport.

The xpath statement is expressed as:

/ClinicalDocument//section[@code='15511-9' and
@codeSystem=\$LOINC]/observation[@code='TB
D' and @codeSystem=\$LOINC]/value/@value

15512-7~~15512-7~~

**EMS-AMBULANCE TRANSPORT,
DESTINATION SITE INFORMATION
(COMPOSITE)**

PART**1,1**

Contains information about the destination site.

A name describing the place to which the patient was transported; may be "home". It includes the Destination Site Name and the Destination Site Address.

EN

The xpath statement is expressed as:

EMS TRANSPORT, DESTINATION SITE NAME
/ClinicalDocument//section[@code='15512-7'
and
@codeSystem=\$LOINC]/entry/act[@code='15512-
7' and @codeSystem=\$LOINC]/participant[
@typeCode='DST']/participantRole/
playingEntity/name

AD

EMS TRANSPORT, DESTINATION SITE
ADDRESS
/ClinicalDocument//section[@code='15512-7'
and
@codeSystem=\$LOINC]/entry/act[@code='15512-
7' and @codeSystem=\$LOINC]/participant[
@typeCode='DST']/participantRole/addr

LOINC Code	Component Answer Part	Description and Value	Entry Type	Data Type	Card	Response Code / Numeric Units
LOINC	TBD	AMBULANCE TRANSPORT, DESTINATION SITE INFORMATION – NAME AND ADDRESS	PART			
		AMBULANCE TRANSPORT, DESTINATION SITE NAME		EN	0,1	
		A name describing the place to which the patient was transported; may be "home". or general location like the name of a reservation, campground, etc . The xpath statement is expressed as: /ClinicalDocument//section[@code=xxxx- * '15512-7' and @codeSystem=\$LOINC]/entry/act[@code=xxxx- * '@code=' XXXXX-X' and @codeSystem=\$LOINC]/participant[@typeCode=' DST']/participantRole/ playingEntity/name	AD	1,1		
		AMBULANCE TRANSPORT, DESTINATION SITE ADDRESS				
		The physical address of the destination location. If this is a junction of two locations the address can be denoted by the two cross streets of the physical location. The xpath statement is expressed as: /ClinicalDocument//section[@code=xxxx- * '15512-7' and @codeSystem=\$LOINC]/entry/act[@code=' xxxxx- x' and @codeSystem=\$LOINC]/participant[@typeCode=' DST']/participantRole/addr				
LOINC	TBD	AMBULANCE TRANSPORT, DESTINATION SITE INFORMATION – GPS-LATITUDE COORDINATE		PQ	0,1	UCUM
		The GPS latitude coordinate of the destination site.				
		This can be used for fixed wing aircraft, rotary wing aircraft or water transport.				
		The xpath statement is expressed as: /ClinicalDocument//section[@code='15512-7' and @codeSystem=\$LOINC]/observation[@code='TB D' and @codeSystem=\$LOINC]/value/@value Add xpath expression...				

LOINC Code	Component Answer Part	Description and Value	Entry Type	Data Type	Card	Response Code / Numeric Units
LOINC TBD		LONGITUDE COORDINATE The longitude coordinate of the site. This can be used for fixed wing aircraft, rotary wing aircraft or water transport. The xpath statement is expressed as: /ClinicalDocument//section[@code='15512-7' and @codeSystem=\$LOINC]/observation[@code='TBD' and @codeSystem=\$LOINC]/value/@value				
LOINC TBD		AMBULANCE TRANSPORT, RATIONALE FOR WAIT TIME (COMPOSITE)	OBS		0,n	
LOINC TBD		AMBULANCE TRANSPORT, RATIONALE FOR WAIT TIME The rationale for wait time. The xpath statement is expressed as: /ClinicalDocument//section[@code='XXXXX-X' and @codeSystem=\$LOINC]/text		ED	0,1	
LOINC TBD		AMBULANCE TRANSPORT, RATIONALE FOR WAIT TIME Select the value that best defines the rationale for the wait time. The xpath statement is expressed as: /ClinicalDocument//section[@code='XXXXX-X' and @codeSystem=\$LOINC]/observationAdd xpath-expression...[code/@code='XXXXX-X' and code/@codeSystem=\$LOINC]		CD	1,1	HL79053
15513-5		EMS-AMBULANCE TRANSPORT, REASON FOR SCHEDULED TRIP (COMPOSITE)	OBS		0,1	
15513-5 LOINC NC TBD		EMS-AMBULANCE TRANSPORT, REASON FOR SCHEDULED TRIP See Section 5 for list of valid codes. The xpath statement is expressed as: /ClinicalDocument//section[@code= '15513-5XXXXX-X' and @codeSystem=\$LOINC]/entry/observation[@code= '15513-5XXXXX-X' and @codeSystem=\$LOINC]/value/@value		CD	1,1	Subset of SNOMED CT

LOINC Code	Component Answer Part	Description and Value	Entry Type	Data Type	Card	Response Code / Numeric Units
18814-4	EMS-AMBULANCE	TRANSPORT, REASON FOR SCHEDULED TRIP ADDITIONAL SERVICE INFORMATION Required for Code 15220000 and Code 108310004 to define specific services. The xpath statement is expressed as: /ClinicalDocument//section[@code=' 15513- 5' and @codeSystem=\$LOINC]//observation[@code=' 18814- 4' and @codeSystem=\$LOINC]/text		ED	0,1	
LOINC TBD	EMS-AMBULANCE	TRANSPORT, NUMBER OF PATIENTS Defines the number of patients in the ambulance at the time of transport. The xpath statement is expressed as: /ClinicalDocument//section[@code= xxxx * @code=' XXXXX- X' and @codeSystem=\$LOINC]/entry/observation[@code=' xxxxx- x' and @codeSystem=\$LOINC]/value/@value	OBS	INT	0,1	
LOINC TBD	AMBULANCE TRANSPORT, REASON FOR MULTIPLE PATIENTS	If the number of patients on board the transport vehicle is greater than 1, this identifies the reason for multiple patients. The xpath statement is expressed as: /ClinicalDocument//section[@code=' XXXXX- X' and @codeSystem=\$LOINC]/text Add xpath statement here...	Section	ED	0,1	

LOINC Code	Component Answer Part	Description and Value	Entry Type	Data Type	Card	Response Code / Numeric Units
LOINC TBD		EMS-AMBULANCE TRANSPORT, OTHER PATIENTS INFORMATION	PART		0,n	
		Provides information about other patients covered by the same health plan or agency on board the same ambulance when multiple patients are transported at the same time. Only those patients not identified on the claim would be included here.	PN	PN	1,n1,1	
		EMS-AMBULANCE TRANSPORT, OTHER PATIENT NAME				
		The xpath statement is expressed as: /ClinicalDocument//section[@code= xxxx *'-@code=' XXXX- X' and @codeSystem=\$LOINC]/entry/act[@actClass=' ACT ' and @moodCode=' RQ0']/subject/assignedEntity/ assignedPerson/name	H	II	1,n1,1	Provider assigned patient identifier
		EMS-AMBULANCE TRANSPORT, OTHER PATIENT IDENTIFIER				
		Unique identifier for the other patient transported in the ambulance. Note: The @root attribute will indicate the authority assigning the identifier				
		The xpath statement is expressed as /ClinicalDocument//section[@code=' xxxxx- x' and @codeSystem=\$LOINC]/entry/act[@code=' xxxxx- x' and @codeSystem=\$LOINC]/ subject/assignedEntity/id/@extension				
18588-4		EMS-AMBULANCE TRANSPORT, PURPOSE OF STRETCHER		ED	0,1	
18588-4		A narrative statement describing the need for a stretcher.				
		The xpath statement is expressed as: /ClinicalDocument//section[@code=' 18588- 4' and @codeSystem=\$LOINC]/text				
18589-2		EMS-AMBULANCE TRANSPORT, ADMITTED AT DESTINATION FACILITY ON TRANSFER	OBS	BL	0,1	
18589-2		A boolean value indicating whether the patient was admitted to the destination facility.				
		The xpath statement is expressed as: /ClinicalDocument//section[@code=' 18589- 2' and @codeSystem=\$LOINC]/entry/observation[@code=' 18589- 2' and @codeSystem=\$LOINC] /value/@value				

LOINC Code	Component Answer Part	Description and Value	Entry Type	Data Type	Card	Response Code / Numeric Units
LOINC TBD		AMBULANCE TRANSPORT, NAME OF RECEIVING INDIVIDUAL ACCEPTING RESPONSIBILITY FOR PATIENT The name of the individual who accepts responsibility at the receiving location. This is captured per the Emergency Medical Treatment and Active Labor Act (EMTLA).	PART		0,1	
		TRANSPORT, NAME OF RECEIVING INDIVIDUAL ACCEPTING RESPONSIBILITY FOR PATIENT The name of the individual who accepts responsibility at the receiving location. This is captured per the Emergency Medical Treatment and Active Labor Act (EMTLA).		PN	1,1	
		The xpath statement is expressed as: /ClinicalDocument//section[@code='XXXXX-X' and @codeSystem=\$LOINC]//act[code/@code='XXXXX-X' and @codeSystem=\$LOINC]/participant[@typeCode='R CV']/participantRole/playingEntity/name Add xpath statement here...	II		0,1	NPI UPIN or other provider identifier
		AMBULANCE TRANSPORT, IDENTIFIER OF RECEIVING INDIVIDUAL ACCEPTING RESPONSIBILITY FOR PATIENT Unique identifier for the practitioner accepting responsibility for the patient at the receiving location. If the individual is not a practitioner, do not include an identifier. See section 3.8 Instance Identifier Data Types in the <i>HL7 Additional Information Specification Implementation Guide</i> for more information.				
		The xpath statement is expressed as: /ClinicalDocument//section[@code='XXXXX-X' and @codeSystem=\$LOINC]//act[code/@code='XXXXX-X' and @codeSystem=\$LOINC]/participant[@typeCode='R CV']/participantRole/individual Add xpath statement here...				
LOINC TBD		EMS-AMBULANCE TRANSPORT, PATIENT CONFINED TO BED OR CHAIR INDICATOR A Boolean value indicating whether the patient was confined to a bed or chair at pick-up.	OBS	BL	0,1	
		The xpath statement is expressed as: /ClinicalDocument//section[@code='xxxxx-x' and @codeSystem=\$LOINC]/entry/observation[@code='xxxxx-x' and @codeSystem=\$LOINC]/value/@value				

LOINC Code	Component Answer Part	Description and Value	Entry Type	Data Type	Card	Response Code / Numeric Units
15514-3	15514-3	EMS-AMBULANCE TRANSPORT, ORDERING PRACTITIONER OR AGENCY	PART		0,1	
		The answer includes the Ordering Practitioner or Agency Name and Ordering Practitioner or Agency Identifier. Agency name and identifier would be used if it is a 911 call. In this case, put '911' in name field and 911 agency number in the identifier field.				
		EMS-AMBULANCE TRANSPORT, ORDERING PRACTITIONER NAME		PN	0,1	
		The xpath statement is expressed as: /ClinicalDocument//section[@code=' 15514- 3' and @codeSystem=\$LOINC]/entry/act[@actClass=' ACT' , and @moodCode=' RQ0']/author/assignedEntity/ assignedPerson/name		II	1,1	NPI UPIN or other provider identifier
		EMS-AMBULANCE TRANSPORT, ORDERING PRACTITIONER IDENTIFIER				
		Unique identifier for the practitioner who ordered transport. Note: The @ attribute will indicate the authority assigning the identifier				
		See section 3.8 Instance Identifier Data Types in the <i>HL7 Additional Information Specification Implementation Guide</i> for more information.				
		The xpath statement is expressed as /ClinicalDocument//section[@code=' 15514- 3' and @codeSystem=\$LOINC]/entry/act[@actClass=' ACT' , and moodCode=' RQ0']/author/assignedEntity/ id/@extension				

LOINC Code	Component Answer Part	Description and Value	Entry Type	Data Type	Card	Response Code / Numeric Units
LOINC TBD		EMS-AMBULANCE TRANSPORT, PHYSICIAN CERTIFICATION FOR TRANSPORT INDICATOR INFORMATION (COMPOSITE) Information that defines if the ordering physician certified the transport of the patient and the contents of the physician certification statement. A Boolean value indicating that the ordering physician certified the transport of the patient. The xpath statement is expressed as: /ClinicalDocument//section[@code='xxxx-x' and @codeSystem=\$LOINC]/entry/observation[@code='xxxx-x' and @codeSystem=\$LOINC]/value/@value	OBS	BL	0,1	
LOINC TBD		AMBULANCE TRANSPORT, PHYSICIAN CERTIFICATION FOR TRANSPORT STATEMENT The contents of the physician certification statement. The xpath statement is expressed as: /ClinicalDocument//section[@code='xxxxx-x' and @codeSystem=\$LOINC]/text		ED	0,1	
LOINC TBD		AMBULANCE TRANSPORT, PHYSICIAN CERTIFICATION FOR TRANSPORT INDICATOR A Boolean value indicating that the ordering physician certified the transport of the patient. The xpath statement is expressed as: /ClinicalDocument//section[@code='xxxx-xsee above' and @codeSystem=\$LOINC]/entry/observation[@code='xxxxx-x' and @codeSystem=\$LOINC]/value/@value		BL	1,1	
LOINC TBD		AMBULANCE TRANSPORT, DESCRIPTION OF SERVICES PERFORMED TO SUPPORT LEVEL OF SERVICE Describes the services performed during the ambulance transport that supports the Level of Service billed. The xpath statement is expressed as: /ClinicalDocument//section[@code='XXXXX-X' and @codeSystem=\$LOINC]/text Add xpath statement here...	Section	ED	0,1	

LOINC Code		Entry Type	Data Type	Card	Response Code / Numeric Units
Component Answer Part	Description and Value				
18593-4 18593-4	EMS-AMBULANCE TRANSPORT, DISCHARGED FROM ORIGINATING FACILITY ON TRANSFER A boolean value indicating whether the patient was discharged from the originating facility when transferred. The xpath statement is expressed as: /ClinicalDocument//section[@code=' 18593- 4' and @codeSystem=\$LOINC]/entry/observation[@code=' 18593- 4' and @codeSystem=\$LOINC] /value/@value	OBS	BL	0,1	
15515-0 15515-0	EMS-AMBULANCE TRANSPORT, MEDICAL REASON FOR UNSCHEDULED TRIP See Section 5 for list of valid codes. The xpath statement is expressed as: /ClinicalDocument//section[@code=' 15515- 0' and @codeSystem=\$LOINC]/entry/observation [@code=' 15515- 0' and @codeSystem=\$LOINC]/ value/@value	OBS	CD	0,n	Subset of SNOMED CT
15516-8 15516-8	EMS-AMBULANCE TRANSPORT, JUSTIFICATION FOR EXTRA ATTENDANTS INFORMATION (COMPOSITE) Information A statement justifying the use of extra attendants. The xpath statement is expressed as: /ClinicalDocument//section[@code=' 15516- 8' and @codeSystem=\$LOINC]/text		ED	0,1	
15516-8	AMBULANCE TRANSPORT, EXTRA ATTENDANTS INFORMATION - JUSTIFICATION FOR EXTRA ATTENDANTS NARRATIVE A narrative description why extra attendants are needed. The xpath statement is expressed as: /ClinicalDocument//section[@code=' 15516- 8' and @codeSystem=\$LOINC]/text		ED	1,1	

LOINC Code	Component	Description and Value	Entry Type	Data Type	Card	Response Code / Numeric Units
LOINC TBD	Answer Part	<p>AMBULANCE TRANSPORT, EXTRA ATTENDANTS INFORMATION – TYPE OF EXTRA ATTENDANT(S)</p> <p>The type of extra attendants accompanying the transport using the Health Care Taxonomy code set.</p> <p>Use values from table HL9052, or if some other value not in this table, indicate this by setting the nullFlavor attribute of the <value> element to 'OTH'.N—Nurse P—Physician M—Paramedic E—Emergency Medical Technician R—Respiratory Therapist O—Other, if other is selected, identify the type of other attendant in the Extra Attendants Information—Other Type of Extra Attendant field.</p> <p>The xpath statement is expressed as: /ClinicalDocument//section[@code='15516-8'] and @codeSystem=SLONC]//observation[code/@codeA dd xpath statement here... = 'TBD' and @codeSystem=SLONC]/value/@code</p>		CD	0,n	PTX - Health Care Taxonomy Code Subset of SNOMED-CT See
		<p>AMBULANCE TRANSPORT, EXTRA ATTENDANTS INFORMATION—OTHER TYPE OF EXTRA ATTENDANT(S)</p> <p>If other is selected, identify the other type of extra attendant.</p> <p>The xpath statement is expressed as: Add xpath statement here...</p>		ED	0,1	

4 Coding Examples

4.1 Scenario

Scenario. Patient Jack J. Jackson of 125 City Avenue, Miami FL 33132-3111, was transported 7 miles from his home to the St. Holy Hills Hospital at 2345 Winter Blvd, Miami, FL, 33132-3111, where he was admitted with patient identification number STHHL12345. The account number specific to the billing for ambulance services is JACKSON123. The hospital's national provider number is 3999000B. A 277 transaction has been received requesting the full ambulance attachment.

His estimated weight at the time of transport was 275 pounds. This was coded as an "initial trip." The rationale for the choice of destination was, "patient was transported to nearest facility for care of symptoms, complaints or both", the distance transported (LOINC code 15510-1), the originating location (15511-9), the destination (15512-7) and whether the patient was admitted at the destination facility (18589-2).

The claim associated with this CDA document is identified by the value 987654323 in data element TRN02-Attachment Control Number of Loop 2000A-Payer/Provider Control Number.

4.1.1 Coded Example (Human-Decision Variant)

The HDV XML example file of a CDA document that will be included within the 275 response can be found in the **ambhdv.xml** file in the ballot package. The file includes comments that explain the various sections of the CDA structure and contents.

4.1.2 Coded Example (Computer-Decision Variant)

A CDV example file of a CDA document that will be included within the 275 response can be found in the **ambcdv.xml** file in the ballot package. The file includes comments that explain the various sections of the CDA structure and contents.

Figure 4-1 ~~Figure 4-1~~ shows how both the CDV and HDV examples are rendered by a popular Web browser.

Figure 4-1. Rendered Ambulance Services Attachment

Ambulance Services Claims Attachment	
Patient: Jack Jackson	MRN: STHHL12345
Birthdate: September 24, 1932	Sex: Male
Consultant:	Created On: August 12, 2003
BODY WEIGHT AT TRANSPORT (COMPOSITE)	
275 lb	
TRANSPORT DIRECTION	
Initial Trip	
RATIONALE FOR CHOICE OF DESTINATION	
Patient was transported to nearest facility for care of symptoms, complaints or both.	
DISTANCE TRANSPORTED	
7 miles	
ORIGINATION SITE INFORMATION	
HOME 1254 City Avenue Miami FL 33132-3111	
DESTINATION SITE INFORMATION	
St. Holy Hills Hospital 2345 Winter Blvd Miami FL 33132-3111	
ADMITTED AT DESTINATION FACILITY ON TRANSFER	
Admitted	

5 Response Code Sets

This section describes response codes that may be used in the computer-decision variant when the value table indicates a coded data type (CD) or to represent units when the attachment component is of the physical quantity (PQ) data type. The entry in the value table that refers to these code sets is used in the subsection titles.

ISO object identifiers (OIDs) uniquely identify the organization responsible for issuing a code or entity identifier. The OID can be used to find more information regarding a coded data value or an identifier for a person, organization, or other entity. For more information, see the section on ISO Object Identifiers in the *HL7 Additional Information Specification Implementation Guide*.

The values for some code sets appear directly in this document. In other cases, the section cites another document as the source.

5.1 Placeholder OIDs Used in Examples

Some of the OIDs used in the narrative and examples of this specification are placeholder or demonstration ones. They will need to be changed upon site-specific implementation. The “HL7 Example” OID root is used for this purpose. The placeholder OIDs in this specification are:

Site-specific OIDs – these must change during implementation of the specification:

- 2.16.840.1.113883.19.2744.1.1 - representing the assigner of the CDA document instance ID
- 2.16.840.1.113883.19.2744.1.2 - representing the assigner of the patient identifier (may be appended with .1, .2, .3, etc. if an example shows multiple patient identifiers assigned by different assigners)
- 2.16.840.1.113883.19.2744.1.3 - representing the assigner of the doctor/provider identifier (may be appended with .1, .2, .3, etc. if an example shows multiple provider identifiers assigned by different assigners)
- 2.16.840.1.113883.19.2744.1.4 - representing the assigner of the visit/encounter
- 2.16.840.1.113883.19.2744.1.5 - representing the assigner of the attachment control number

5.2 UCUM: Unified Code for Units of Measure

The Unified Code for Units of Measure is a code system intended to include all units of measures being contemporarily used in international science, engineering, and business. The purpose is to facilitate unambiguous electronic communication of quantities together with their units. The focus is on electronic communication, as opposed to communication between humans. A typical application of The Unified Code for Units of Measure is electronic data interchange (EDI) protocols, but there is nothing that prevents it from being used in other types of machine communication.

In this *Additional Information Specification 001: Ambulance Service Attachment*, UCUM is used for body weight and for transport distance.

Body weight can be expressed either in pounds using [lb_av] or in kilograms using kg.

Transport distance is expressed in miles using [mi_us] **or nautical miles using [nmi_i].**

The OID for this table is 2.16.840.1.113883.6.8.

5.3 Reason for Scheduled EMS Trip

HL7-defined vocabulary using a subset of SNOMED CT® codes to indicate the reason for the schedule trip. Only the SNOMED CT® values listed in table 5.3 below can be used for the reason for scheduled EMS trip.

SNOMED Clinical Terms (SNOMED CT®) is the Systematized Nomenclature of Medicine, a system of standardized medical terminology developed by the College of American Pathologists (CAP).

The OID for this table is 2.16.840.1.113883.6.96.

Table 5.3 Reason for Scheduled EMS Trip

Note: Any report noted as “TBD” in the SNOMED CT Code column has been submitted to SNOMED International to determine the appropriate code.

SNOMED CT Code	Reason for Scheduled EMS Trip
91308007	Arterial Blood Gases
116859006	Blood Transfusions
41747008	Bone Scans
41976001	Cardiac Catheterization
76746007	Cardiac Stress Testing
118480003	Cast Application
274480009	Cast Removal
77477000	CAT Scans
110473004	Cataract Surgery
367336001	Chemotherapy
67516001	Detoxification
71651007	Diagnostic Mammography
54550000	EEG
29303009	EKG/ECG
23835007	Electroconvulsive Therapy (ECT)
363687006	Endoscopy
14736009	Evaluation and Management
113091000	MRI Scans
56333001	Nerve Blocks
224482004	No one available to receive the patient
371572003	Nuclear Medicine Tests
84478008	Occupational Therapy
86273004	Other Ambulatory Surgery: Biopsy
30063001	Other Ambulatory Surgery: Debridement Decubitis Ulcer
133864008	Other Ambulatory Surgery: Lithotripsy
110471002	Other Ambulatory Surgery: Shunt declotting
110472009	Other Ambulatory Surgery: Vascular Shunt Maintenance
312834003	Other Ambulatory Surgery: Ventricular Shunt Maintenance
18678000	Other Hyperbaric Therapy
281790008	Other Intravenous Therapy: Antibiotic
386312001	Other Intravenous Therapy: Hydration
15220000	Other Laboratory Testing (Specify Type of Lab Test)
108310004	Other Psychiatric/Psychological Services (Specify Type of Service)
82918005	PET Scans
91251008	Physical Therapy
110466009	Pre-Surgical Testing
23426006	Pulmonary Function Testing

108290001	Radiation Oncology and/or Radiotherapy
52052004	Rehabilitation
265764009	Renal Dialysis
53950000	Respiratory Therapy
18632008	Response to call/non-transport – deceased patient
385648002	Response to call/non-transport – patient refuses
410529002	Response to call/non-transport – transport not needed
TBD	Rotary aircraft used instead of fixed wing because faster response time needed
419024006	Rotary aircraft used instead of fixed wing because fixed wing craft not available
TBD	Rotary aircraft used instead of fixed wing because no landing strip available
TBD	Rotary aircraft used instead of fixed wing because pilot not available for rotary
5154007	Speech-Language Pathology
52765003	Trach Tube/GI Tube Insertion/Placement
16310003	Ultrasounds
110474005	Whole Body Hyperbaric Therapy
363680008	X-Rays

5.4419024006fixed wing18632008385648002410529002HL79007: HL7 Ambulance Trip Type

~~HL7-defined vocabulary domain table used to indicate the type of ambulance trip.~~

~~The OID for this table is 2.16.840.1.113883.12.9007.~~

Table 5.4 HL7 Ambulance Trip Type

Code	Ambulance Trip Type
I	Initial trip
R	Return trip
T	Transfer trip
X	Round trip

5.55.4 HL79008: HL7 Rationale for Destination

HL7-defined vocabulary domain table used to indicate the rationale for the choice of destination.

The OID for this table is 2.16.840.1.113883.12.9008.

Table 5.4 HL7 Rationale for Destination

Code	Rationale for Destination
A	Patient was transported to nearest facility for care of symptoms, complaints or both.
B	Patient was transported for the benefit of a preferred physician
C	Patient was transported for the nearness of family members
D	Patient was transported for the care of a specialist or for availability of specialized equipment
E	Patient was transported due to the lack of appropriate facilities/specialist
F	Patient was transported for the care of a trauma center
G	Patient was transported for the care of a burn center
H	Patient was transported for a special care unit NOS
V	Patient was diverted to another facility

5.65.5 Medical Reason for Unscheduled Trip

HL7-defined vocabulary using a subset of SNOMED CT® codes to indicate the reason for the unscheduled trip. Only the SNOMED CT® values listed in table 5.6 below can be used for the reason for unscheduled trip.

SNOMED Clinical Terms (SNOMED CT®) is the Systematized Nomenclature of Medicine, a system of standardized medical terminology developed by the College of American Pathologists (CAP).

The OID for this table is 2.16.840.1.113883.6.96.

Table 5.5 Medical Reason for Unscheduled Trip

Note: Any report noted as “TBD” in the SNOMED CT Code column has been submitted to SNOMED International to determine the appropriate code.

SNOMED CT Code	Medical Reason for Unscheduled Trip
21522001	Abdominal pain / problems
55566008	Accident, possible injury
63171007	Acute infectious process
127339009	Acute metabolic disorder
373895009	Acute respiratory distress
73994005	Acute surgical emergency non-trauma
79688008	Airway obstruction
418925002	Allergic reaction
3006004	Altered level of consciousness
160685001	Bed bound
74732009	Behavioral / psychiatric disorder
48333001	Burns
410429000	Cardiac arrest
22298006	Cardiac incident
44808001	Cardiac rhythm disturbance
29857009	Chest pain / discomfort
302866003	Diabetic symptoms (hypoglycemia)
362969004	Disorder of endocrine system
11545006	DOA
371708003	Electrocution
TBD	Hemodynamic instability
50177009	Hyperthermia
386689009	Hypothermia
28560003	Hypovolemia / shock
371043007	Inhalation injury (toxic gas)
23853001	Neurological/neurovascular
419620001	Obvious death
386379000	Organ procurement
55680006	Overdose
75478009	poisoning
75478009	Poisoning / drug ingestion
20236002	Pregnancy / OB delivery
87317003	Respiratory arrest
271825005	Respiratory distress
18632008	Response to call/non-transport – deceased patient
385648002	Response to call/non-transport – patient refuses
410529002	Response to call/non-transport – transport not needed
TBD	Rotary aircraft used instead of fixed wing because faster response time needed
TBD	Rotary aircraft used instead of fixed wing because fixed wing craft not available

TBD	Rotary aircraft used instead of fixed wing because no landing strip available
TBD	Rotary aircraft used instead of fixed wing because pilot not available for rotary
225214000	Restraining psychiatric patient
91175000	Seizure
50960005	Severe hemorrhage
248110007	Sexual assault / rape
27942005	Shock
35844001	Smoke inhalation
262521009	Spinal injury
371058004	Stings
230690007	Stroke / CVA
271594007	Syncope / fainting
25809009	Trauma other than vehicle
417746004	Traumatic injury
418107008	Unconsciousness or
301822002	Vaginal hemorrhage
36198007	Vehicle accident
308494006	Venomous bites

~~HL79050: HL7 Transport Loaded/Unloaded Indicator~~

~~HL7-defined vocabulary domain table used to indicate if the transport miles being reported where with patients loaded on board during transport or not.~~

~~The OID for this table is 2.16.840.1.113883.12.9050.~~

~~Table 5.6 HL7 Transport Loaded/Unloaded Indicator~~

Code	Transport Loaded/Unloaded Indicator
U	Unloaded
L	Loaded

5.6 HL79051: HL7 Rationale for Excess/Additional Mileage

HL7-defined vocabulary domain table used to define the rationale for excess or additional mileage reported.

The OID for this table is 2.16.840.1.113883.12.9051.

Table 5.4 HL7 Rationale for Excess/Additional Mileage

Code	Rationale for Excess/Additional Mileage
W	Weather
E	Equipment
V	Vectoring
T	Terrain
R	Road Conditions
O	Other – If other is selected, then describe the Other Rationale for Excess/Additional Mileage field.

5.7 HL79053: HL7 Rationale for Wait Time

HL7-defined vocabulary ~~domainsubset of SNOMED-CT table~~ used to define the rationale for transport wait time.

The OID for this table is 2.16.840.1.113883.12.9053.96.

Table 5.4 HL7 Rationale for Wait Time

Code	Rationale for Wait Time
398090008	Patient not ready for transport
P	
373789000	Receiving entity not ready to accept patient
R	

5.75.8 NPI: National Provider Identifier

On January 23, 2004, the Secretary of HHS published a final rule (Federal Register volume 69, page 3434) which establishes the standard for a unique health identifier for health care providers for use in the health care system, and announces the adoption of the National Provider Identifier (NPI) as that standard. It also establishes the implementation specifications for obtaining and using the standard unique health identifier for health care providers.

For more information contact the US Department of Health and Human Services, Centers for Medicare and Medicaid services (CMS), 7500 Security Blvd., Baltimore, MD 21244

The DHHS Administrative Simplification web site is <http://aspe.hhs.gov/admsimp/>.

The OID for this data component is 2.16.840.1.113883.4.6.

5.9 PTX: Health Care Provider Taxonomy

The National Uniform Claim Committee (NUCC) maintains the Health Care Provider Taxonomy. The code set is available through Washington Publishing. See: <http://www.wpc-edi.com/codes/>

The OID for this table is 2.16.840.1.113883.6.101.

5.85.10 UPIN: Unique Physician Identification Number

A unique physician identification number, or UPIN, is used by Medicare to identify doctors across the United States. UPINs are six-place alpha numeric identifiers assigned to all physicians.

The United States Congress authorized the creation of UPIN IDs through Section 9202 of the Consolidated Omnibus Budget Reconciliation Act of 1985. The Centers for Medicare and Medicaid Services (CMS) is responsible for creation of the UPIN IDs for each doctor accepting Medicare insurance.

UPINs will be discontinued in the second quarter of 2007 and will be replaced by National Provider Identifier, or NPI numbers.

The OID for this data component is 2.16.840.1.113883.4.8.

5.95.11 State Provider License Number

The unique license number assigned to a physician or health care provider may be used as an identification number. HL7 has assigned an OID for each US state and territory that assigns the license number to that provider for that state or territory.

These OIDs may be obtained from the HL7 OID database at <http://www.hl7.org/oid/index.cfm>

5.405.12 Other Provider Identifiers

Other provider identifiers, such as those assigned by health care organizations may be used. See section 3.8-7.4 Instance Identifier **(II)** Data Types in the *HL7 Additional Information Specification Implementation Guide* for more information.

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