

HL7 Implementation Guide for CDA R2:
Emergency Medical Services Patient Care Report (PCR)
(US Realm)
Draft Standard for Trial Use
December, 2011

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Shakir Consulting was instrumental in the creation of the domain analysis model and constrained model that inform this specification.

We leaned heavily on the work done by HL7's Structured Documents committee, as well as exemplary guides produced by other teams, most notably the Healthcare Associated Infections team.

The work could not have been completed without the indefatigable assistance of Jaci Phillips and the support of the Regenstrief institute.

Revision History

Release	Date	Notes
R1 D1	May 2011	Initial release, level two
R1 D2	September 2011	Revisions from May ballot; extended to level three
R1 D3	December 2011	Revisions from September ballot; terminologies completed

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Changes

ID	Change	Changed By	Date Changed
1	5/2011 #1: Updated address constraint format	JLyle	June 2011
2	5/2011 #2: Updated appendix B	JLyle	June 2011
3	5/2011 #3: Called out conformance statements from referenced standards with formatting (shading).	JLyle	June 2011
4	5/2011 #4: Changed ID practice constraint from SHALL to SHOULD (was conf-6 to 8; now conf-3 & 4).	JLyle	June 2011
5	5/2011 #5: Changed strength of confidentiality code system from SHALL to SHOULD (was conf-12; now conf-8).	JLyle	June 2011
6	5/2011 #6: Added constraints to prevent mixed content and support identified address parts and cardinality (all addresses).	JLyle	June 2011
7	5/2011 #7: Added regex constraint to ensure field is a telephone number. (Was conf-21; now GHC conf.)	JLyle	June 2011
8	5/2011 #8: Provided guidance on family names (was conf-24; now conf-10).	JLyle	June 2011
9	5/2011 #9: Use CDC race and ethnicity codes (was conf-28-29; now conf-12)	JLyle	June 2011
10	5/2011 #11: "Vocab OK with either dynamic binding or concept domain binding; due to lack of realm administrative body in US, we will use dynamic"	JLyle	June 2011
11	Articulated section data as clinical statements	JLyle	June 2011
12	Changed template OIDs from IHE to NEMESIS	JLyle	June 2011
13	Updated section on approach to nulls and negatives with resulting changes to medications, medical history, and allergies; added appendix for mapping of NEMESIS values.	JLyle	June 2011
14	Added EncompassingEncounter/Location/HealthCareFacility/Place	JLyle	June 2011
15	Added destination participant	JLyle	June 2011
16	9/2011: all typographical changes	JLyle	June 2011
17	9/2011 #2: added organizer for non-medication allergies	JLyle	Nov 2011
18	9/2011 # 5: changed 'Adverse Event' to 'Exposures or Injuries of EMS Personnel'	JLyle	Nov 2011
19	9/2011 #6: Updated LOINC codes	JLyle	Dec 2011
20	9/2011 #7, 68: Included vocabularies in appendix	JLyle	Dec 2011
21	9/2011 #8: Included copyright information for copyrighted IP	JLyle	Dec 2011
22	9/2011 #9: Provide URL for CDA schema for implementers	JLyle	Dec 2011
23	9/2011 #12: Provide URL for LOINC for implementers	JLyle	Dec 2011
24	9/2011 #13: Provide URL for IHE framework for implementers	JLyle	Dec 2011
25	9/2011 #15: Provide examples of new and old constraints (see change #3 above)	JLyle	Dec 2011
26	9/2011 #18: Moved description of GHC from 6.2 to 6.1, prior to its first use	JLyle	Dec 2011
27	9/2011 #19: Swapped order of conf-1 (GHC) and conf-2 (document) (really?)	JLyle	Dec 2011
28	9/2011 #22: Updated optionality constraints	IP	

29	9/2011 #23: confirmed tel regex	JLyle	Dec 2011
30	9/2011 #24: Ensure all GHC constraints have reference numbers	JLyle	Dec 2011
31	9/2011 #25: Added explanation for 2 nd race code entry	JLyle	Dec 2011
32	9/2011 #29: Added root instructions for dispatch id and performer id (hmm)	JLyle	Dec 2011
33	9/2011 #38: Update value set references with correct format indicating static or dynamic	JLyle	Dec 2011
34	9/2011 #39-46: Updated xpath for entryRelationship/Observation	JLyle	Dec 2011
35	9/2011 #49: added conditional requirement for drug allergy observation	JLyle	Dec 2011
36	9/2011 #50: Changed blood coagulation disorder from SCT to ICD	JLyle	Dec 2011
37	9/2011 #54: Changed pain scale to ordinal	JLyle	Dec 2011
38	9/2011 #55: Corrected Glasgow Coma ranges	JLyle	Dec 2011
39	9/2011 #58: Specified entryRelationship/typeCode (Caus, Comp*, Mfst, Refr, Rson, Subj)	JLyle	Dec 2011
40	9/2011 #59, 61: Update conformance criterion numbering	JLyle	Dec 2011
41	9/2011 #69: Include table of required and optional sections	JLyle	Dec 2011
42	9/2011 #70: Add "open" to template definitions	JLyle	Dec 2011
43	Changed CONF-34 destination entity from id to name	JLyle	Dec 2011

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1. About this document

This document is intended to guide software developers in generating CDA-compliant XML patient care reports, also known as run reports, from EMS agency crews to emergency departments and other interested parties. It consists of a set of constraints on the HL7 CDA R2 model mapped to the National EMS Information System (NEMSIS) data elements.

CDA, or Clinical Document Architecture, is a standard for information exchange. It is based on the HL7 Reference Information Model, but it constrains that model to a specific set of patterns. This document adds further constraints, so that it specifies not just a generic clinical document, but an Emergency Medical Services (EMS) Patient Care Report—a record of an Emergency Medical Services encounter with a patient. An EMS Patient Care Report is also known as a run report.

Further information about CDA is available at HL7.org.

This guide constrains the NEMSIS data set to the HL7 CDA R2 document format. NEMSIS is maintained by the NEMSIS Technical Assistance Center, a US organization funded by the National Highway Transportation Safety Administration, the Centers for Disease Control, the Health Resources and Services Administration, the University of Utah, and the University of North Carolina.

2. Audience

The audience for this document is software developers and development organizations who wish to produce or receive EMS patient care reports.

3. Approach

Our approach was first to convert the NEMSIS specification into an analysis-level class diagram in the Emergency Medical Services Domain Analysis Model (EMS DAM), initially balloted through HL7 in May of 2010 and finalized for the release in May 2011. The analysis model was then constrained to the HL7

Reference Information Model (RIM) in a Domain Information Model (DIM), balloted in January, 2011, and scheduled for minor revisions in September, 2011. The DAM is in the publication process; the DIM has not been published to date; current state versions are available in the HL7 ballot or by request.

This guide is the first implementable specification developed based on the EMS DIM.

An initial iteration, balloted in May 2011, supports what is commonly termed “level one” CDA compliance, i.e., a document with structured header information containing an unstructured document of some form (whether pdf, image, or other recognized format). In addition, this iteration supported “level two” compliance, in which human-readable text information is provided for sections identified in XML. A sender of a document, however, must choose whether to send the “level one” encapsulated document or the “level two” set of XML sections: a document containing both is not acceptable.

This iteration (in September, 2011) models the sections to “level three,” in which the sections also include detailed, structured information representing the section text. This structured information follows standard patterns in such a way that receiving applications will be able to process specific semantically identified elements for storage in medical records, application of business rules, or other computable services. This iteration also includes changes to the level two template assignments, so the May 2011 iteration is no longer correct.

Harmonization with Emergency Department specifications and *Data Elements for Emergency Department Systems* (DEEDS) involved use of extant LOINC codes for shared elements.

4. Change process

We expect this standard to change during the DSTU period. Issues should be reported on the HL7 Draft Standard for Trial Use (DSTU) comment page at <http://www.hl7.org/dstucomments/>. For more information and status on the DSTU period, consult the HL7 wiki.

5. How to use this document

Software developers should use the CDA xml schema to guide their production of EMS patient care reports. Mappings of NEMESIS elements to the CDA schema are included in this document. Coded elements should use the vocabularies referred to in the constraints.

The CDA schema is published by Health Level 7, and is available at <http://www.hl7.org/implement/standards>.

5.1 Coded Values

Coded values are constrained to value sets. Value sets may be enumerated or defined by reference. This specification uses both kinds. Value sets already specified are referenced (ICD-10, RxNorm,, HL7, etc.). Sets defined by NEMESIS are listed in appendix D. These value sets are available from LOINC (<http://search.loinc.org/>); they will be available on the NEMESIS web site (nemesis.org), and via web service from the CDC (phinavs.cdc.gov). The LOINC answers will be registered as SNOMED CT concepts.

Several coded values have not been assigned LOINC answers: these will use the NEMESIS codes in the short term, and will be encoded to appropriate systems.

5.2 Information Scope

The NEMESIS data set supports many uses, including the transfer of patient care reports from EMS crews to emergency departments, the prepopulation of hospital electronic health records, identification of trauma registry candidates, and preparation of data for submission to NEMESIS for research.

Implementers may generate the same patient care reports that they generate today and attach them in “level one” documents, or they may populate the structured sections as specified herein.

Because the NEMESIS data set is so broad, it extends beyond the *Emergency Transfer of Care* specified by *Integrating the Healthcare Enterprise* (IHE). These templates may be harmonized in the future; at this point, they are distinct.

5.3 Implementation

This guide defines the information payload only. Implementers are encouraged to coordinate with one another by using the IHE framework (available at <http://www.ihe.net/>) to address expected capabilities of participating systems, including security and audit considerations.

5.4 Conventions

This document follows the conventions of the *Healthcare Associate Infection* (HAI) implementation guide. Salient conventions are reiterated here.

The terms SHALL, SHALL NOT, SHOULD, SHOULD NOT, and MAY in this document are to be interpreted as described in the HL7 Version 3 Publishing Facilitator's Guide. The keyword "SHALL" implies a lower cardinality of 1 but does not disallow NULL values. If NULL values are to be excluded, it will be via an additional explicit conformance statement.

Constraints that are specific to this guide—for which this guide defines the template—are numbered serially. Those that are inherited from other templates are provided for implementer convenience; they are prefixed with the source abbreviation (“CDA” for the root R2 specification; “GHC” for General header Constraints) and shaded. Those from the root CDA R2 specification are numbered according to the relevant line of the Hierarchical Description document (HD). Those from the General Header Constraints are numbered according to the constraint numbers in the *HL7 Implementation Guide for CDA Release 2: History and Physical (H&P) Notes*, release one.

Example:

- GHC CONF-7a: A ClinicalDocument/recordTarget/PatientRole/addr element SHALL be present, but MAY be null.

Constraints list both the line number of the relevant row in the CDA Hierarchical Definition and the reference to the NEMESIS V3 dataset. Many elements defined in the CDA header have no traceability to pre-existing NEMESIS elements.

Most questions have been assigned clinical LOINC identifiers; the balance are in process. Those not yet assigned are identified as “EMSTEMPCL_###,” where “###” is a serial number. These temporary identifiers will be replaced when the LOINC identifiers are issued.

5.5 Approach for Negation and Null Values

We use RIM attributes for observations that may require explicit negation or null values. If I have checked for signs of drug use, I can assert that a particular sign was found (with a proper value), that whether there were signs is unknown (with a null) or that there were no signs (with negation).

However, in collections of acts other than observations, epistemological attributes may have uncertain semantics. If a procedure is negated, it may not be clear whether the clinician is asserting that the procedure was not performed during the encounter or that it has never been performed on the patient. Similarly, you may document a history of specific disorders, but including a single, general but negated disorder implies assumptions about the scope of the negated disorder that are not explicitly modeled.

As a result, we manage negation and uncertainty for procedures with explicit observations. Using an observation allows the clinician to assert a history of zero disorders, or a lack of knowledge about disorders, without tying that assertion to a notional disorder that may imply unanticipated facts or questions. Questions supporting observations about procedures can differentiate between encounter and patient history, letting assertions about the truth or existence of the knowledge obtain in the appropriate scope.

As a result, the medical history sections include, in addition to problems, procedures, medications, and allergies, observations regarding the existence of problems, procedures, medications, and allergies.

5.6 Null Value Mapping

NEMESIS contains null values not listed in HL7. “Not applicable” maps directly to “Not applicable,” but “Not recorded” and “Not reported” must be represented as the general concept “No information.” These values may also be copied into Observation.text.

NEMESIS also contains “negative action values,” most of which are addressed with negation and special cases in this document. Some of the negative action values, however, are actually null values, and are recorded as “NI,” no information. A mapping of negative action values is provided in Appendix B.

5.7 Units

Physical quantities use the HL7 PQ data type, in which units are expressed in the Unified Code for Units of Measure (UCUM; 2.16.840.1.113883.6.8), available at <http://www.regenstrief.org>. Interface values that are not actual physical units are handled differently: see appendix C for mappings.

5.8 Copyright

The length-based body weight classification (67670-0) is based on values defined by General Electric's Broselow-Luten system. Implementers will require a license to use this field.

Many fields in this guide use codes from the Systematized Nomenclature of Medicine, Clinical Terms (SNOMED CT), published by the International Healthcare Terminology Standards Development Organization (IHTSDO). IHTSDO has licensed these codes for use in the United States. Implementers will need to acquire a (free) license to use SNOMED CT by agreeing to the UMLS Metathesaurus license, available from the National Library of Medicine (nlm.nih.gov).

Many fields in this guide use codes from the Logical Object Identifiers and Codes (LOINC), published by the Regenstrief Institute. Regenstrief grants permission to users subject to terms of use, available at loinc.org.

5.9 DSTU Period

Two major sources of change are likely to affect this specification in the early months of the DSTU period.

First, the Office of the National Coordinator's Standards & Interoperability program is about to publish the results of the Health Story consolidation project, a project designed to harmonize the efforts of several CDA guides currently in use. Where this guide makes recommendations contrary to the design decisions made herein, we will evaluate the benefit of adhering to the published approach against any deleterious effect on requirements.

Second, we plan to implement this guide in the Open Health Tools' Model Driven Health Tool, which will provide three valuable benefits:

- By providing a framework to build the constraints against existing standards, the tool assures that the guide will not contradict constraints inherited from those standards.
- By maintaining the guide in that framework, the tool makes it easier to maintain against future changes to the specification or to the foundational specifications it follows.
- The tool also generates java classes from the model to support vendors who wish to generate instances of the CDA.

6. EMS Patient Care Report Constraints

Items in this specification that are mandated by the CDA specification are indicated by the [CDA] annotation.

6.1 Header

We adopt the General Header Constraints in order to maximize interoperability. Items in this specification that are mandated by this template are indicated by the [GHC] annotation.

- CONF-1: The header SHALL conform to the General Header Constraints template 2.16.840.1.113883.10.20.22.1.1.

6.1.1 Levels of Conformance

A CDA document may conform at level one, two, or three. A level one document contains a header and an attached copy of a document (a pdf, a scan, etc.). A level two document contains the header and sections, but the sections contain only textual information. A level three document contains structured data.

- **GHC CONF-HP-3 To indicate conformance to Level 1 (which also asserts compliance with all general or non-level-specific constraints), ClinicalDocument/templated elements MAY be present with the value shown below.**

```
<templated root='2.16.840.1.113883.10.20.10'/> <!-- conforms to Level 1 guidance -->
```

- **GHC CONF-HP-4 To indicate conformance to Level 2 features (which also asserts compliance with Level 1 requirements and asserts the presence of section codes), ClinicalDocument/templated elements MAY be present with the value shown below.**

```
<templated root='2.16.840.1.113883.10.20.20'/> <!-- conforms to Level 2 guidance -->
```

- **GHC CONF-HP-5 To indicate conformance to Level 3 features (which also asserts compliance with Level 2 requirements and the use of CDA entries in some sections), ClinicalDocument/templated elements MAY be present with the value shown below.**

```
<templated root='2.16.840.1.113883.10.20.30'/> <!-- conforms to Level 3 guidance -->
```

Within the header, there are relationships to the following:

- Patient (record target): NEMESIS Patient section
- Author: includes both the software system (ERecord.02-04) and the EMS professional who generated the report (EOther.08)
- Custodian: the organization that takes responsibility for maintaining the document; in this case, the EMS agency
- Service Event: the EMS dispatch for the patient
- Encompassing Encounter: usually a longer-term entity than the Service Event (designed to model a hospital stay during which there may be many Service Events). In our case, logically coextensive with the Service Event, but used to represent the EMS unit (as a healthcare facility).

6.1.2 Clinical Document

In a CDA document, the top-level element, also called the document element, is ClinicalDocument, in the urn:hl7-org:v3 namespace.

The examples in this specification assume that this is the default namespace, and accordingly show all elements without a namespace prefix. This IG does not require use of any specific namespace prefix.

Header constraints are expressed in relation to the document element.

The templateId refers to this EMS Patient Care Report specification:

- CONF-2: A ClinicalDocument/templateId element SHALL be present representing conformance to the constraints of this Patient Care Report guide (templateId 2.16.840.1.113883.17.3.10.1).
 - CDA HD: not found
 - NEMESIS: no corresponding element

The typeId refers to the base CDA schema:

- CDA CONF-1: A ClinicalDocument/typeId element SHALL be present having @root = "2.16.840.1.113883.1.3" and @extension = "POCD_HD000040"
 - CDA HD: line 1
 - NEMESIS: no corresponding element

The classCode and moodCode are static for all CDA documents.

- CDA CONF-2: A ClinicalDocument/classCode element SHALL be present where the value is "DOCCLIN" (CodeSystem: 2.16.840.1.113883.5.6 HL7ActClass) STATIC
 - CDA HD: line 2
 - NEMESIS: no corresponding element
- CDA CONF-3: A ClinicalDocument/moodCode element SHALL be present where the value is "EVN" (CodeSystem: 2.16.840.1.113883.5.1001 HL7ActMood) STATIC
 - CDA HD: line 3
 - NEMESIS: no corresponding element

The id element uniquely identifies the document. Because a revised document must have a unique id, but the same "setId" as the original, we recommend the following practice: the setId is a unique identifier for a new document, and version id is always set to "1". The id element is then the setId concatenated with the version id, separated with a period ("."). Example: report 12345 would have setId "12345", version "1", and id "12345.1". That way, subsequent versions can be clearly differentiated from the first.

- CD:A CONF-10: A ClinicalDocument/setId element SHALL be present
 - CDA HD: line 10
 - NEMESIS: ERecord.01
- CONF-3: A ClinicalDocument/versionId element SHOULD be present, having value "1" unless there is a ClinicalDocument/relatedDocument/ParentDocument of typeCode "RPLC"
 - CDA HD: line 11
 - NEMESIS: no corresponding element

- CONF-4: A ClinicalDocument/id element SHALL be present and SHOULD have value equivalent to ClinicalDocument/setId & "." & ClinicalDocument/versionId
 - CDA HD: line 4
 - NEMESIS: no corresponding element

The code element identifies the document type as an EMS Patient Care Report.

- CONF-5: A ClinicalDocument/code element SHALL be present where the value of @code is 67796-3 EMS Patient Care Report (Code system: 2.16.840.1.113883.6.1 LOINC) STATIC.
 - CDA HD: line 5
 - NEMESIS: no corresponding element

The title element identifies the document as a Patient Care report.

- CDA CONF-6: A ClinicalDocument/title element SHALL be present, and its value SHOULD be "EMS Patient Care Report.".
 - CDA HD: line 6
 - NEMESIS: no corresponding element

The effective time is for the document, not the encounter.

- CDA CONF-7: A ClinicalDocument/effectiveTime element SHALL be present representing the time of document creation.
 - CDA HD: line 7
 - NEMESIS: no corresponding element
- CDA CONF-8: A ClinicalDocument/confidentialityCode element SHALL be present; the value SHOULD be selected from 2.16.840.1.113883.5.25 (HL7 confidentiality).
 - CDA HD: line 8
 - NEMESIS: no corresponding element
 - Confidentiality defaults to "N," normal.

Language code represents the language in which the report is written.

- CDA CONF-9: A ClinicalDocument/languageCode element SHALL be present where the value SHALL be selected from 2.16.840.1.113883.1.11.11526 (HL7 HumanLanguage).
 - CDA HD: line 9
 - NEMESIS: no corresponding element
- CONF-7: A ClinicalDocument/languageCode element SHOULD have @code value of "en-US".
 - CDA HD: line 9
 - NEMESIS: no corresponding element

6.1.3 Patient

The patient is represented in CDA as the subject of the Record Target class.

- CDA CONF-13: A ClinicalDocument/recordTarget element SHALL be present.
 - CDA HD: line 13
 - NEMESIS: no corresponding element

- CDA CONF-14: A ClinicalDocument/recordTarget/typeCode element SHALL be present having value "RCT".
 - CDA HD: line 14
 - NEMESIS: no corresponding element

- CDA CONF-15: A ClinicalDocument/recordTarget/contextControlCode element SHALL be present having value "OP" (Code system: 2.16.840.1.113883.1.11.16478 HL7 context control) STATIC.
 - CDA HD: line 15
 - NEMESIS: no corresponding element

- CDA CONF-17: A ClinicalDocument/recordTarget/patientRole/classCode element SHALL be present having value "PAT" (Code system: 2.16.840.1.113883.1.11.11555 HL7 role class) STATIC.
 - CDA HD: line 17
 - NEMESIS: no corresponding element

The NEMESIS patient id is the social security number. This is expedient for emergency dispatch, but this specification does not require that type of ID. For patient transfers, the patient ID, scoped by an id @root element of the facility, would be appropriate.

- CDA CONF-13: A ClinicalDocument/recordTarget/PatientRole/id element SHALL be present; more than one MAY be present.
 - CDA HD: line 13
 - NEMESIS:
 - EPatient.01: root= the OID for the generating EMS agency, or "NI"
 - EPatient.12: root=" 2.16.840.1.113883.3.184" (Social Security Administration)
 - EPatient.20 & EPatient.21: root= the OID for the state department of motor vehicles, found at HL7.org, and reproduced as found in March of 2011 in appendix A.

- GHC CONF-7a: A ClinicalDocument/recordTarget/PatientRole/addr element SHALL be present, but MAY be null.
 - CDA HD: line 19
 - NEMESIS:
 - EPatient.05 . . . /PatientRole/addr/streetAddressLine
 - EPatient.06 . . . /PatientRole/addr/city
 - EPatient.07 . . . /PatientRole/addr/county
 - EPatient.08 . . . /PatientRole/addr/state

- EPatient.09 . . . /PatientRole/addr/postalCode
 - EPatient.10 . . . /PatientRole/addr/country

- CONF 8: Addresses SHOULD contain a street address line, a city, a state, and a postal code
 - CDA HD: *passim*
 - NEMESIS: *passim*

- CONF 9: Addresses SHALL NOT contain mixed xml content.
 - CDA HD: *passim*
 - NEMESIS: *passim*

- GHC CONF-7b: A ClinicalDocument/recordTarget/PatientRole/telecom element SHALL be present.
 - CDA HD: line 20
 - NEMESIS: EPatient.18

- GHC CONF-12: Telephone numbers SHALL match the regular expression pattern "tel:\+?[-0-9()\.]+(;ext=[0-9]+)"
 - CDA HD: *passim*
 - NEMESIS: *passim*

- CDA CONF-22: A ClinicalDocument/recordTarget/PatientRole/Patient/classCode element SHALL be present having value "PSN" (code system: 2.16.840.1.113883.5.41 HL7 entity class) STATIC.
 - CDA HD: line 22
 - NEMESIS: no corresponding element

- CDA CONF-23: A ClinicalDocument/recordTarget/PatientRole/Patient/determinerCode element SHALL be present having value "INSTANCE" (code system: 2.16.840.1.113883.5.30 HL7 entity determiner) STATIC.
 - CDA HD: line 23
 - NEMESIS: no corresponding element

- GHC CONF-6: A ClinicalDocument/recordTarget/PatientRole/Patient/name element SHALL be present.
 - CDA HD: line 25
 - NEMESIS:
 - EPatient.02 . . . /PatientRole/Patient/name/family
 - EPatient.03 . . . /PatientRole/Patient/name/given
 - EPatient.04 . . . /PatientRole/Patient/name/given

- CONF-10: If the name element is present, the sub-elements SHOULD be in the following order: family, given, middle (also "given").

- For names from cultures not following the order assumed above, the "family" name SHOULD be populated with whatever name component should be used to sort by. E.g., for a person with a single name, "family" should be used.
 - A name element SHALL NOT contain mixed content.
- **GHC CONF-33: A ClinicalDocument/recordTarget/PatientRole/Patient/administrativeGenderCode element SHALL be present.**
 - CDA HD: line 26
 - NEMESIS: EPatient.13
 - **CONF-11: A ClinicalDocument/recordTarget/PatientRole/Patient/administrativeGenderCode element SHOULD be drawn from 2.16.840.1.113883.1.11.1 (HL7 AdministrativeGenderCode) STATIC.**
 - CDA HD: line 26
 - NEMESIS: EPatient.13
 - **GHC CONF-32: A ClinicalDocument/recordTarget/PatientRole/Patient/birthTime element SHALL be present. The patient/birthTime element SHALL be precise at least to the year, and SHOULD be precise at least to the day, and MAY omit time zone. If unknown, it SHALL be represented using a flavor of null.**
 - CDA HD: line 27
 - NEMESIS: EPatient.17

NEMESIS collects race and ethnicity in the one-question format (see guidance at http://www.whitehouse.gov/omb/fedreg_1997standards), but the HL7 RIM and, therefore, the CDA schema contain separate elements. It is necessary to populate both CDA fields based on the values selected for the NEMESIS question. Further, the CDA model includes a single race code, in order to support multiple race codes as required by OMB, we adopt a second race code entry from the HL7 SDWG namespace. All documents must populate the CDA race code; if more than one race code is recorded, then the SDWG element may also be populated. No semantic priority is implied by the element selection.

- **CONF-12: A ClinicalDocument/recordTarget/PatientRole/Patient/raceCode element MAY be present. If present it SHALL drawn from 2.16.840.1.113883.6.238 (CDC Race and Ethnicity) DYNAMIC.**
 - CDA HD: line 30
 - NEMESIS: EPatient.14

- CONF-13: If raceCode is populated, the patient MAY also contain zero or more [0..*] sdwg:raceCode, which SHALL be selected from ValueSet 2.16.840.1.113883.6.238 (CDC Race and Ethnicity) DYNAMIC.
 - CDA HD: line 30
 - NEMESIS: EPatient.14

- CONF-14: A ClinicalDocument/recordTarget/PatientRole/Patient/ethnicGroupCode element MAY be present. If present it SHALL drawn from 2.16.840.1.113883.6.238 (CDC Race and Ethnicity) DYNAMIC.
 - CDA HD: line 31
 - NEMESIS: EPatient.14

6.1.4 Author

The EMS Patient Care Report is not a hand-written document, but, like the Continuity of Care document, an export of information from an automated system. As a result, the set of authors includes the software used to generate the report as well as the EMS professional who generated the report.

- CDA CONF-71: A ClinicalDocument/author element SHALL be present, having typeCode = "AUT" (code system: 2.16.840.1.113883.5.90 HL7 participation type code) STATIC and contextControlCode="OP" (Code system: 2.16.840.1.113883.1.11.16478 HL7 context control) STATIC.
 - CDA HD: line 71, 72, 74
 - NEMESIS: no corresponding element

- CDA CONF-77: A ClinicalDocument/author/AssignedAuthor element SHALL be present having classCode"ASSIGNED" (code system: 2.16.840.1.113883.5.110 HL7 role class) STATIC.
 - CDA HD: line 77
 - NEMESIS: no corresponding element

- CONF-15: An . . . author/AssignedAuthor/AuthoringDevice/manufactureModelName element SHALL be present.
 - CDA HD: line 88
 - NEMESIS: ERecord.02

The NEMESIS specification records both software name and version. These are concatenated in the CDA EMS Patient Care Report.

- CONF-16: An . . . author/AssignedAuthor/AuthoringDevice/softwareName element SHALL be present.
 - CDA HD: line 88

- NEMESIS: ERecord.03 & ERecord.04 (version), concatenated with an intervening space

The human author is also included. The name, address, and telecom are taken from the Demographic side of the domain model.

- CONF-17: One additional . . . author/AssignedAuthor element MAY be present.
 - CDA HD: line 76
- CONF-18: If present, the additional author SHALL have exactly one . . . author/AssignedAuthor/id.
 - CDA HD: line 78
 - NEMESIS: EOther.08
- GHC CONF-7b: The additional author SHALL have a . . . author/AssignedAuthor/telecom, which MAY be null.
 - CDA HD: line 81
 - NEMESIS: DProfessional.09
- GHC CONF-7a: The additional author SHALL have a . . . author/AssignedAuthor/addr , which MAY be null.
 - CDA HD: line 80
 - NEMESIS:
 - DProfessional.04. . . / AssignedAuthor/addr/streetAddressLine
 - DProfessional.05 . . . / AssignedAuthor/addr/city
 - DProfessional.06. . . / AssignedAuthor/addr/state
 - DProfessional.07. . . / AssignedAuthor/addr/postalCode
 - DProfessional.08. . . / AssignedAuthor/addr/country
- GHC CONF-6: The additional author SHALL have a . . . author/AssignedAuthor/Person/name, which MAY be null.
 - CDA HD: line 80
 - NEMESIS:
 - DProfessional.01 . . . Person/name/family
 - DProfessional.02 . . . Person/name/given
 - DProfessional.03 . . . Person/name/given

6.1.5 Custodian

The custodian is the EMS agency responsible for the service and its documentation.

- CDA CONF-120: A ClinicalDocument/custodian/typeCode element SHALL be present, having value “CST” (code system: 2.16.840.1.113883.5.90 HL7 participation type) STATIC.
 - CDA HD: line 120

- NEMSIS: no corresponding element
- CDA CONF-122: A ClinicalDocument/custodian/AssignedCustodian/classCode element SHALL be present, having value "ASSIGNED" (code system: 2.16.840.1.113883.5.110 HL7 role class) STATIC.
 - CDA HD: line 122
 - NEMSIS: no corresponding element
- CDA CONF-124: A . . . AssignedCustodian/representedCustodianOrganization/classCode element SHALL be present, having value "ORG" (code system: 2.16.840.1.113883.5.41 HL7 entity class) STATIC.
 - CDA HD: line 124
 - NEMSIS: no corresponding element
- CDA CONF-125: A . . . AssignedCustodian/representedCustodianOrganization/determinerCode element SHALL be present, having value "INSTANCE" (code system: 2.16.840.1.113883.5.30 HL7 entity determiner) STATIC.
 - CDA HD: line 125
 - NEMSIS: no corresponding element
- CDA CONF-126: A . . . AssignedCustodian/representedCustodianOrganization/id element SHALL be present.
 - CDA HD: line 126
 - NEMSIS: EResponse.01
- GHC CONF-6: A . . . AssignedCustodian/representedCustodianOrganization/name element SHALL be present.
 - CDA HD: line 127
 - NEMSIS: EResponse.02
- GHC CONF-7a: A . . . AssignedCustodian/representedCustodianOrganization/addr element SHALL be present.
 - CDA HD: line 127
 - NEMSIS:
 - DContact.05. . . / representedCustodianOrganization/addr/streetAddressLine
 - DContact.06 . . . / representedCustodianOrganization/addr/city
 - DContact.07. . . / representedCustodianOrganization/addr/county
 - DContact.08. . . / representedCustodianOrganization/addr/state
 - DContact.09. . . / representedCustodianOrganization/addr/postalCode

- DContact.10. . . / representedCustodianOrganization/addr/country

6.1.6 Service Event

The Service Event is the EMS service provided to the patient.

- CONF-19: A ClinicalDocument/documentationof element SHALL be present, having typecode value “DOC” (code system: 2.16.840.1.113883.5.1002 HL7 act relationship) STATIC.
 - CDA HD: line 172
 - NEMESIS: no corresponding element
- CONF-229: A ClinicalDocument/documentationof/ServiceEvent/classCode element SHALL be present, having value “ACT” (code system: 2.16.840.1.113883.5.6 HL7 act class) STATIC.
 - CDA HD: line 174
 - NEMESIS: no corresponding element
- CDA CONF-175: A ClinicalDocument/documentationof/ServiceEvent/moodCode element SHALL be present, having value “EVN” (code system: 2.16.840.1.113883.5.1001 HL7 act mood) STATIC.
 - CDA HD: line 175
 - NEMESIS: no corresponding element
- CONF-20: A ClinicalDocument/documentationof/ServiceEvent/id element SHALL be present, representing the incident number assigned by the 911 Dispatch System, where the id/@root SHOULD be the OID of the dispatching organization.
 - CDA HD: line 176
 - NEMESIS: EResponse.03
- CONF-21: A ClinicalDocument/documentationof/ServiceEvent/code element SHALL be present, having value drawn from 2.16.840.1.113883.17.3.5.79 (EMS service type) DYNAMIC.
 - CDA HD: line 177
 - NEMESIS: EResponse.05
- CDA CONF-180: For each performer, a . . . /performer/typeCode element SHALL be present, having value drawn from 2.16.840.1.113883.1.11.19601 (HL7 x_ServiceEventPerformer).
 - CDA HD: line 180
 - NEMESIS: no corresponding element

Performers are the EMS crew members. The values in the specified value set are PRF (performer) and SPRF (secondary performer).

- CONF-22: For each performer, a . . . /performer/functionCode element SHALL be present, having value drawn from 2.16.840.1.113883.17.3.5.80 (EMS crew role) DYNAMIC.
 - CDA HD: line 181
 - NEMESIS: ECrew.03

- CDA CONF-101: For each performer, a . . . /performer/assignedEntity/id element SHALL be present.
 - CDA HD: line 183 and 101
 - NEMESIS: ECrew.01

- CONF-23: For each performer, a . . . /performer/assignedEntity/code element SHALL be present, drawn from 2.16.840.1.113883.17.3.5.81 (EMS crew level) DYNAMIC.
 - CDA HD: line 183 and 102
 - NEMESIS: ECrew.02

- GHC CONF-6: For each performer, a . . . /performer/assignedEntity/person/name element SHALL be present.
 - CDA HD: line 183
 - NEMESIS:
 - DProfessional.01 Last: @ENXP="FAM"
 - DProfessional.02 First: @ENXP="GIV"
 - DProfessional.03 Middle: @ENXP="GIV"

- GHC CONF-7a: For each performer, a . . . /performer/assignedentity/addr element SHALL be present.
 - CDA HD: line 183 and 103
 - NEMESIS:
 - DProfessional.04 . . . / assignedentity /addr/streetAddressLine
 - DProfessional.05. . . / assignedentity /addr/city
 - DProfessional.06 . . . / assignedentity /addr/state
 - DProfessional.07 . . . / assignedentity /addr/postalCode
 - DProfessional.08 . . . / assignedentity /addr/country

- GHC CONF-7b: For each performer, a . . . /performer/assignedentity/telecom element SHALL be present.
 - CDA HD: line 183 and 104

- NEMESIS: DProfessional.09

6.1.7 Related Document

If an EMS Patient Care report is updated, it is sent as a “replacement” document, and it refers back to the original. The EMS Patient Care Report has no anticipated need for the “append” or “transform” document types.

- CONF-24: If a document version is greater than 1 (i.e., it replaces a previous document), a ClinicalDocument/relatedDocument element SHALL be present with typecode = “RPLC” (code system: 2.16.840.1.113883.5.1002 HL7 act relationship type) STATIC.
 - CDA HD: line 185
 - NEMESIS: no corresponding element
- CDA CONF-187: For a replacement document, a . . . /relatedDocument/ParentDocument/classCode element SHALL be present with value = “DOCCLIN” (code system: 2.16.840.1.113883.5.6 HL7 act class) STATIC.
 - CDA HD: line 187
 - NEMESIS: no corresponding element
- CDA CONF-188: For a replacement document , a . . . /relatedDocument/ParentDocument/moodCode element SHALL be present with value = “EVN” (code system: 2.16.840.1.113883.5.1001 HL7 act mood) STATIC..
 - CDA HD: line 188
 - NEMESIS: no corresponding element
- CDA CONF 189: For a replacement document , a . . . /relatedDocument/ParentDocument/id element SHALL be present.
 - CDA HD: line 189
 - NEMESIS: the id of the previous document (ERecord.01 of the previous document + the version number of that original document)

6.1.8 Encompassing Encounter

The encompassing encounter is used to relate the ambulance or truck (the facility) to the service.

- CONF-25: A ClinicalDocument/componentOf element SHALL be present, having value = “COMP”.
 - CDA HD: line 203
 - NEMESIS: no corresponding element

- CDA CONF 205: A ClinicalDocument/componentOf/EncompassingEncounter element SHALL be present, having classCode="ENC" and moodCode="EVN" (code system: 2.16.840.1.113883.5.1001 HL7 act mood) STATIC.
 - CDA HD: line 205-206
 - NEMESIS: no corresponding element

- CDA CONF 209: A ClinicalDocument/componentOf/EncompassingEncounter/effectiveTime element SHALL be present.
 - CDA HD: line 209
 - NEMESIS: Etimes.03 (The date the responding unit was notified by dispatch)

- CONF-230: A . . . /EncompassingEncounter/Location/HealthCareFacility/classCode element SHALL be present having value = "SDLOC" (code system: 2.16.840.1.113883.5.41 HL7 entity class) STATIC.
 - CDA HD: line 221
 - NEMESIS: no corresponding element

- CONF-27: A . . . /EncompassingEncounter/Location/HealthCareFacility/id element SHALL be present.
 - CDA HD: line 222
 - NEMESIS: EResponse.04

- CONF-28: A . . . /EncompassingEncounter/Location/HealthCareFacility/code element SHALL be present with a value drawn from 2.16.840.1.113883.17.3.5.82 (EMS unit role) DYNAMIC.
 - CDA HD: line 223
 - NEMESIS: EResponse.07

- CONF-29: A . . . /EncompassingEncounter/Location/HealthCareFacility/Place class SHALL be present with a classCode drawn from ICD-10 place codes 2.16.840.1.113883.6.3 (ICD-10), under parent Y92, DYNAMIC.
 - NEMESIS EScene.09
- CONF-30: A . . . /EncompassingEncounter/Location/HealthCareFacility/Place class MAY contain a name.
 - NEMESIS EScene.13
- CONF-31: A . . . /EncompassingEncounter/Location/HealthCareFacility/Place class MAY contain an address.
 - NEMESIS EScene.15-21

6.1.9 Destination Participant

- CONF-32: A ClinicalDocument/participant element SHALL be present to represent the destination, having typeCode = "DST" (HL7 Participation Type 2.16.840.1.113883.5.90) STATIC.
- CONF-33: A destination participation SHALL have an AssociatedEntity.
- CONF-34: A destination entity SHALL have a name.
 - NEMESIS EDisposition.01
- CONF-35: A destination entity SHALL have an address.
 - NEMESIS EDisposition.03-07
- CONF-36: A destination entity SHALL have a code drawn from 2.16.840.1.113883.17.3.5.69 (HL7 Facility type) DYNAMIC.
 - NEMESIS EDisposition.21
- CONF-37: A destination entity SHALL have an Organization/name.
 - NEMESIS EDisposition.01

6.2 Body

The document may have an embedded non-XML document, an unstructured set of XML sections, or a structured set of XML sections.

If the document conforms to level two, then the following sections may be present with section text only; structured data constraints do not apply to level two documents. However, the text attribute is required for all sections in a level two document.

6.3 Document Sections

A list of the sections defined in this guide, with associated LOINC codes, template OIDs, and whether or not they are required in the run report:

Section	LOINC	Template OID	Required
EMS Advanced Directives	67840-9	2.16.840.1.113883.17.3.10.1.12	O
EMS Allergies & Adverse Reactions	67841-7	2.16.840.1.113883.17.3.10.1.13	R
EMS Billing	67659-3	2.16.840.1.113883.17.3.10.1.5	R
EMS Cardiac Arrest Event	67799-7	2.16.840.1.113883.17.3.10.1.14	O
EMS Current Medications	67844-1	2.16.840.1.113883.17.3.10.1.15	R
EMS Dispatch	67660-1	2.16.840.1.113883.17.3.10.1.2	R
EMS Disposition	67661-9	2.16.840.1.113883.17.3.10.1.4	R
EMS Exposures or Injuries of EMS Personnel	67658-5	2.16.840.1.113883.17.3.10.1.6	O
EMS Injury Incident Description	67800-3	2.16.840.1.113883.17.3.10.1.17	O
EMS Medications Administered	67849-0	2.16.840.1.113883.17.3.10.1.18	O
EMS Past Medical History	67842-5	2.16.840.1.113883.17.3.10.1.19	R
EMS Physical Assessment	67668-4	2.16.840.1.113883.17.3.10.1.20	R
EMS Procedures Performed	67802-9	2.16.840.1.113883.17.3.10.1.21	O
EMS Protocol	67663-5	2.16.840.1.113883.17.3.10.1.7	R
EMS Response	67664-3	2.16.840.1.113883.17.3.10.1.3	R

EMS Scene	67665-0	2.16.840.1.113883.17.3.10.1.8	R
EMS Situation	67666-8	2.16.840.1.113883.17.3.10.1.9	R
EMS Social History	67843-3	2.16.840.1.113883.17.3.10.1.22	R
EMS Times	67667-6	2.16.840.1.113883.17.3.10.1.10	R
EMS Vital Signs	67801-1	2.16.840.1.113883.17.3.10.1.23	R
ENarrative.01	67781-5	2.16.840.1.113883.17.3.10.1.1	R

- CONF-38: The document MAY contain an EMS Injury Incident Description section (2.16.840.1.113883.17.3.10.1.17)
- CONF-51: The document MAY contain an EMS Cardiac Arrest Event section (2.1 EMS cardiac arrest event 6.840.1.113883.17.3.10.1.14)
- CONF-65: The document SHALL contain an EMS Current Medications section (2.16.840.1.113883.17.3.10.1.15).
- CONF-72: The document SHALL contain an EMS Allergies & Adverse Reactions section (2.16.840.1.113883.17.3.10.1.13).
- CONF-76: The document SHALL contain an EMS Past Medical History section (2.16.840.1.113883.17.3.10.1.19).
- CONF-85: The document MAY contain an EMS Advanced Directives section (2.16.840.1.113883.17.3.10.1.12).
- CONF-87: The document SHALL contain an EMS Social History section (2.16.840.1.113883.17.3.10.1.22).
- CONF-90: The document SHALL contain an EMS Vital Signs section (2.16.840.1.113883.17.3.10.1.23).
- CONF-111: The document SHALL contain an EMS Physical Assessment section (2.16.840.1.113883.17.3.10.1.20).
- CONF-130: The document MAY contain an EMS Medications Administered section (2.16.840.1.113883.17.3.10.1.18).
- CONF-141: The document MAY contain an EMS Procedures Performed section (2.16.840.1.113883.17.3.10.1.21).
- CONF-156: The document SHALL contain an EMS Patient Care Report Narrative section (2.16.840.1.113883.17.3.10.1.1).
- CONF-158: The document SHALL contain an EMS Dispatch section (2.16.840.1.113883.17.3.10.1.2).
- CONF-161: The document SHALL contain an EMS Response section (2.16.840.1.113883.17.3.10.1.3).

- CONF-181: The document SHALL contain an EMS Disposition section (2.16.840.1.113883.17.3.10.1.4).
- CONF-190: The document SHALL contain an EMS Billing section (2.16.840.1.113883.17.3.10.1.5).
- CONF-193: The document MAY contain an EMS Exposures or Injuries of EMS Personnel section (2.16.840.1.113883.17.3.10.1.6).
- CONF-196: The document SHALL contain an EMS Protocol section (2.16.840.1.113883.17.3.10.1.7).
- CONF-200: The document SHALL contain an EMS Scene section (2.16.840.1.113883.17.3.10.1.8).
- CONF-205: The document SHALL contain an EMS Situation section (2.16.840.1.113883.17.3.10.1.9).
- CONF-218: The document SHALL contain an EMS Times section (2.16.840.1.113883.17.3.10.1.10).

6.4 Section Constraints

6.4.1 Injury Incident Description

- CONF-39: The Injury Incident section SHALL have code = 11374-6 Injury incident description (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC, OPEN.
- CONF-40: An EMS injury incident section SHALL have a Section/entry/Observation class for injury cause category, having code 69543-7 (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC and value drawn from 2.16.840.1.113883.6.3 (ICD-10), chapter XX, external causes, DYNAMIC.
 - NEMESIS EInjury.01
- CONF-42: An EMS injury incident section MAY have an /Observation class for injury mechanism, having code 67494-5 (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC with value drawn from value set 2.16.840.1.113883.17.3.5.1 Mechanism of injury (NEMESIS) DYNAMIC.
 - NEMESIS EInjury.02
- CONF-43: An EMS injury incident section MAY have an /Observation class for trauma center criteria, having code 67495-2 (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC with value drawn from 2.16.840.1.113883.17.3.5.3 CDC field triage criteria (NEMESIS) DYNAMIC.
 - NEMESIS EInjury.03
- CONF-44: An EMS injury incident section MAY have an /Observation class for risk factors, having code 67496-0 (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC with value drawn from 2.16.840.1.113883.17.3.5.4 Injury risk factor (NEMESIS) DYNAMIC.
 - NEMESIS EInjury.04
- CONF-45: An EMS injury incident section MAY have an /Observation class for vehicle impact area, having code 67497-8 (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC with value drawn from 2.16.840.1.113883.17.3.5.5 Vehicle impact area (NEMESIS) DYNAMIC.

- NEMESIS EInjury.05
- CONF-46: An EMS injury incident section MAY have an /Observation class for patient location in vehicle, having code 67498-6 (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC with value drawn from 2.16.840.1.113883.17.3.5.6 Location of patient in vehicle (NEMESIS) DYNAMIC.
 - NEMESIS EInjury.06
- CONF-47: An EMS injury incident section MAY have an /Observation class for the use of occupant safety equipment, having code 67499-4 (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC with value drawn from 2.16.840.1.113883.17.3.5.7 Safety equipment used by patient (NEMESIS) DYNAMIC.
 - NEMESIS EInjury.07
- CONF-48: An EMS injury incident section MAY have an /Observation class for airbag deployment status, having a code 67500-9 (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC and value drawn from 2.16.840.1.113883.17.3.5.8 Airbag status (NEMESIS) DYNAMIC.
 - NEMESIS EInjury.08
- CONF-49: An EMS injury incident section MAY have an /Observation class for height of fall, having a code 67501-7 (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC and value of type PQ.
 - NEMESIS EInjury.09
- CONF-50: An EMS injury incident section MAY have an /Observation class for disaster type, having a code 69463-8 (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC and value drawn from 2.16.840.1.113883.17.3.5.9 Disaster type (NEMESIS) DYNAMIC.
 - NEMESIS EOther.07

6.4.2 Cardiac Arrest Event

- CONF-52: The EMS History of Present Illness section shall have code = 67799-7 EMS CARDIAC ARREST EVENT (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC, OPEN.
- CONF-53: The History of Present Illness section MAY contain an /Observation having code = "ASSERTION" and value = 410429000 cardiac arrest (SNOMED CT) STATIC.
 - If NEMESIS EArrest.01 is "Yes," include this class.
- CONF-54: A cardiac arrest observation MAY have an effectiveTime.
 - NEMESIS EArrest.14
- CONF-55: A cardiac arrest observation MAY have an entryRelationship such that it
 - **SHALL** contain exactly one [1..1] @typeCode="SUBJ" Has subject (CodeSystem: HL7ActRelationshipType 2.16.840.1.113883.5.1002)

- **SHALL** contain exactly one [1..1] **@inversionInd="true"** True
 - **SHALL** contain exactly one /Observation having code = 67502-5 (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC and value drawn from 2.16.840.1.113883.17.3.5.91 Cardiac arrest timing (NEMESIS) DYNAMIC.
 - NEMESIS EArrest.01
- CONF-56: A cardiac arrest observation MAY have an entryRelationship such that it
 - **SHALL** contain exactly one [1..1] **@typeCode="SUBJ"** Has subject (CodeSystem: HL7ActRelationshipType 2.16.840.1.113883.5.1002)
 - **SHALL** contain exactly one [1..1] **@inversionInd="true"** True
 - **SHALL** contain exactly one Observation having code = 67503-3 (Cardiac arrest cause) (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC and value drawn from 2.16.840.1.113883.17.3.5.10 Cardiac arrest cause (NEMESIS) DYNAMIC.
 - NEMESIS EArrest.02
- CONF-57: A cardiac arrest observation MAY have an informant/RelatedEntity having code = 67505-8 (Cardiac arrest witness) (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC drawn from 2.16.840.1.113883.17.3.5.11 Cardiac arrest witness type(NEMESIS) DYNAMIC.
 - NEMESIS EArrest.04
- CONF-58: A cardiac arrest observation MAY have an entryRelationship such that it
 - **SHALL** contain exactly one [1..1] **@typeCode="SUBJ"** Has subject (CodeSystem: HL7ActRelationshipType 2.16.840.1.113883.5.1002)
 - **SHALL** contain exactly one [1..1] **@inversionInd="true"** True
 - **SHALL** contain exactly one Observation having code = 67506-6 (CPR prior to EMS arrival) (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC and Boolean value.
 - If NEMESIS EArrest.05 is “Yes,” include this class.
- CONF-59: A cardiac arrest observation CPR act MAY have a participant/ParticipantRole having code drawn from 2.16.840.1.113883.17.3.5.12 Resuscitation provider type(NEMESIS) DYNAMIC.
 - NEMESIS EArrest.06
- CONF-60: A cardiac arrest observation MAY have an entryRelationship such that it
 - **SHALL** contain exactly one [1..1] **@typeCode="SUBJ"** Has subject (CodeSystem: HL7ActRelationshipType 2.16.840.1.113883.5.1002)
 - **SHALL** contain exactly one [1..1] **@inversionInd="true"** True
 - **SHALL** contain exactly one Observation having code 67508-2 (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC with value drawn from 2.16.840.1.113883.17.3.5.13 AED use prior to EMS arrival (NEMESIS) DYNAMIC.
 - NEMESIS EArrest.07
- CONF-61: A cardiac arrest AED Use observation MAY have a participant/ParticipantRole having code drawn from 2.16.840.1.113883.17.3.5.12 Resuscitation provider type (NEMESIS) DYNAMIC.
 - NEMESIS EArrest.08
- CONF-62: A cardiac arrest observation MAY have an entryRelationship such that it
 - **SHALL** contain exactly one [1..1] **@typeCode="SUBJ"** Has subject (CodeSystem: HL7ActRelationshipType 2.16.840.1.113883.5.1002)

- **SHALL** contain exactly one [1..1] **@inversionInd="true"** True
- **SHALL** contain exactly one Observation having code 67512-4 (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC with value drawn from 2.16.840.1.113883.17.3.5.14 Arrest rhythm (NEMESIS) DYNAMIC.
 - NEMESIS EArrest.11
- CONF-63: A cardiac arrest observation MAY have an entryRelationship such that it
 - **SHALL** contain exactly one [1..1] **@typeCode="SUBJ"** Has subject (CodeSystem: HL7ActRelationshipType 2.16.840.1.113883.5.1002)
 - **SHALL** contain exactly one [1..1] **@inversionInd="true"** True
 - **SHALL** contain exactly one Observation having code 67513-2 (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC with value drawn from 2.16.840.1.113883.17.3.5.15 Spontaneous return of circulation (NEMESIS) DYNAMIC.
 - NEMESIS EArrest.12
- CONF-64: A cardiac arrest observation MAY have an entryRelationship such that it
 - **SHALL** contain exactly one [1..1] **@typeCode="SUBJ"** Has subject (CodeSystem: HL7ActRelationshipType 2.16.840.1.113883.5.1002)
 - **SHALL** contain exactly one [1..1] **@inversionInd="true"** True
 - **SHALL** contain exactly one Observation having code 67514-0 (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC with value drawn from 2.16.840.1.113883.17.3.5.16 Cardiac rhythm (NEMESIS) DYNAMIC.
 - NEMESIS EArrest.17

6.4.3 Current Medications

- An EMS Current Medications section (2.16.840.1.113883.17.3.10.1.15) SHALL have code = 67844-1 EMS CURRENT MEDICATIONS (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC.
- CONF-66: An EMS Current Medications section SHALL contain at least one EMS medication Observation or at least one SubstanceAdministration.
- CONF-67: An EMS medication Observation SHALL have LOINC code = 67791-4 currently on medication (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC (Boolean, nullable).
 - If EHistory.12 has the value "None Reported," the value is "False"
 - If EHistory.12 has the value "Refused" or "Unable to Complete," the value is "NI"; the original value may be recorded in Observation.text.
- CONF-68: An EMS medication Observation MAY have LOINC code = 69749-0 (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC currently on anticoagulants (Boolean, nullable).
 - If EHistory.12 has the value "No anticoagulants," the value is False
- CONF-69: A SubstanceAdministration shall have a consumable/ManufacturedProduct/LabeledDrug having a code taken from 2.16.840.1.113883.6.88 (RxNorm) DYNAMIC.
 - NEMESIS EHistory.12
- CONF-70: A SubstanceAdministration shall have a doseQuantity with a PQ value.
 - NEMESIS EHistory.13
 - NEMESIS EHistory.14

- CONF-71: A SubstanceAdministration shall have a routeCode with a value drawn from 2.16.840.1.113883.17.3.5.17 EMS medication administration route (NEMESIS) DYNAMIC.
 - NEMESIS EHistory.15

6.4.4 Allergies & Adverse Reactions

- CONF-245: An EMS Allergies section (2.16.840.1.113883.17.3.10.1.13) SHALL have code = 67841-7 EMS ALLERGIES & ADVERSE REACTIONS (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC.
- CONF-73: An EMS Allergies & Adverse Reactions section SHALL contain a medication allergies organizer.
- CONF-74: An EMS Medication Allergies organizer SHALL contain an Existence of drug allergy Observation or at least one Drug allergy Observation
- CONF-75: An Existence of drug allergy Observation SHALL have code 67794-8 (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC and a Boolean value.
 - If NEMESIS EHistory.06 is “Refused “ or “Unable to Complete,” the value should be “NI”; the original value may be recorded in Observation.text.
 - If NEMESIS EHistory.06 is “No Known Drug Allergies,” the value should be FALSE.
- If the Existence of drug allergy Observation is True, the Medication Allergies organizer SHALL contain at least one Drug allergy Observation.
- CONF-231: A Drug allergy Observation SHALL have code 67850-8 (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC and a value taken from 2.16.840.1.113883.6.88 (RxNorm) DYNAMIC.
 - NEMESIS EHistory.06
- CONF-75: A Drug allergy Observation SHALL have code 67850-8
 - And a
- CONF-232: An EMS Allergies & Adverse Reactions section MAY contain an environmental allergies organizer.
- CONF-233: An EMS Allergies & Adverse Reactions organizer SHALL contain an existence of environmental allergies observation having LOINC code 69747-4 (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC and a Boolean value.
- CONF-234: If the existence of environmental allergies observation value is True, its environmental allergies organizer SHALL contain at least one environmental allergies observation.
 - NEMESIS EHistory.07
- CONF-235: An environmental allergies observation SHALL have code 69748-2 (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC and a value taken from 2.16.840.1.113883.17.3.5.83 (NEMESIS) DYNAMIC.
 - NEMESIS EHistory.07

6.4.5 Past Medical History

- CONF-246: An EMS Past Medical History section (2.16.840.1.113883.17.3.10.1.19) SHALL have code = 67842-5 HISTORY OF PAST ILLNESS (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC.
- CONF-77: An EMS Past Medical History section MAY contain an entry/Organizer for conditions

- CONF-78: A condition organizer SHALL have either an Existence of Condition observation or at least one Condition observation.
- CONF-80: An Existence of condition observation SHALL have code 67793-0 (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC and a Boolean value
 - If NEMESIS EHistory. 08 is “Refused “ or “Unable to Complete,” the value should be “NI”; the original value may be recorded in Observation.text.
 - If NEMESIS EHistory. 08 is “None Reported,” the value should be FALSE.
 - If NEMESIS EHistory. 08 has proper values, the value should be TRUE.
- CONF-79: A history observation SHALL have code 68487-8 History of past illness (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC and value from ICD-10 CM (CodeSystem = 2.16.840.1.113883.6.90 ICD-10 CM) DYNAMIC.
 - If NEMESIS EHistory.08 is “No bleeding disorder,” the value should be the appropriate ICD-10 code (D66, D67, D68) and negationIndicator should be TRUE.
- CONF-81: An EMS Past Medical History section MAY contain an entry/Organizer for procedures
- CONF-82: A procedure organizer SHALL have either an Existence of procedure observation or at least one procedure.
- CONF-83: An Existence of procedure observation SHALL have code 67792-2 (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC and a Boolean value.
 - If NEMESIS EHistory. 08 is “Refused “ or “Unable to Complete,” the value should be “NI”; the original value may be recorded in Observation.text.
 - If NEMESIS EHistory. 08 is “None Reported,” the value should be FALSE.
- CONF-84: A procedure SHALL have a code drawn from 2.16.840.1.113883.6.4 (ICD-10 PC) DYNAMIC.

6.4.6 Advanced Directives

- CONF-247: An EMS Advanced Directives section (2.16.840.1.113883.17.3.10.1.12) SHALL have code = 42348-3 ADVANCE DIRECTIVES (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC.
- CONF-86: An Advanced directives section SHALL contain an advanced directive observation having code = 67516-5 (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC and value taken from 2.16.840.1.113883.17.3.5.63 Advanced directive (NEMESIS) DYNAMIC.
 - NEMESIS EHistory.05

6.4.7 Social History

- CONF-248: An EMS Social History section (2.16.840.1.113883.17.3.10.1.22) SHALL have code = 67843-3 SOCIAL HISTORY (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC.
- CONF-88: An EMS Social History section SHALL contain a drug use indicator presence observation, having code = 69757-3 (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC and Boolean value.
 - NEMESIS EHistory.17, to manage positive, negative, and null values

- CONF-89: An EMS Social History section MAY contain a drug use indicator observation with code 67669-2 (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC and value taken from 2.16.840.1.113883.17.3.5.18 Drug use indicator (NEMESIS) DYNAMIC.
 - NEMESIS EHistory.17, for proper values

6.4.8 Vital Signs

- CONF-248: An EMS Vital Signs section (2.16.840.1.113883.17.3.10.1.23) SHALL have code = 67801-1 EMS VITAL SIGNS (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC.
- CONF-91: An EMS Vital signs section MAY contain one or more organizers of observations .
- CONF-92: An organizer SHALL have an effectiveTime.
 - EVitals.01
- CONF-93: An organizer SHALL contain an observation of code 67518-1 Prior Aid (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC with a Boolean value.
 - EVitals.02
- CONF-94: For any observation within the organizer, if the NEMESIS value is “Refused,” the value SHALL be “NI;” the string “Refused” MAY be recorded in Observation.text.
- CONF-95: An organizer MAY contain an observation with code 67519-9 Cardiac rhythm (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC and value taken from 2.16.840.1.113883.17.3.5.16 Cardiac rhythm (NEMESIS) DYNAMIC.
 - NEMESIS EVitals.03
- CONF-96: This cardiac rhythm observation SHALL have a methodCode drawn from 2.16.840.1.113883.17.3.5.20 ECG interpretation method (NEMESIS) DYNAMIC.
 - NEMESIS EVitals.05
- CONF-97: This cardiac rhythm observation SHALL have a participant/ParticipantRole/Device with code drawn from 2.16.840.1.113883.17.3.5.19 ECG type (NEMESIS) DYNAMIC.
 - NEMESIS EVitals.04
- An organizer MUST contain the following observation values:
 - CONF-98: Systolic Blood Pressure, with code 8480-6 (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC and quantity value.
 - NEMESIS EVitals.06
 - UCUM units SHOULD be “mm[Hg]”.
 - CONF-99: Diastolic Blood Pressure, with code 8462-4 (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC and quantity value.
 - NEMESIS EVitals.07
 - UCUM units SHOULD be “mm[Hg]”.
 - CONF-100: Heart rate, with code 8867-4 (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC and quantity value.
 - NEMESIS EVitals.10
 - UCUM units SHOULD be “/min”.
 - CONF-101: Respiratory rate, with code 9279-1 (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC and quantity value.
 - NEMESIS EVitals.14
 - UCUM units SHOULD be “/min”.

- CONF-102: Body Temperature, with code 8310-5 (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC and quantity value.
 - NEMESIS EVitals.24
 - UCUM units SHOULD be “Cel”.
- An organizer MAY contain any or all of the following observation values:
 - CONF-103: Oxygen saturation (by oximetry), with code 2710-2 (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC and quantity value.
 - NEMESIS EVitals.12
 - UCUM units will typically be “%”.
 - CONF-104: Carbon Dioxide (end tidal) with code 19889-5 (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC and quantity value.
 - NEMESIS EVitals.16
 - UCUM units will typically be “%”.
 - CONF-105: Carbon Monoxide, with code 19911-7 (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC and quantity value.
 - NEMESIS EVitals.17
 - UCUM units will typically be “[ppm]”.
 - CONF-106: Blood Glucose, with code 2339-0 (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC and quantity value.
 - NEMESIS EVitals.18
 - UCUM units will typically be “mg/dl”.
 - CONF-107: Level of Responsiveness, with code 67775-7 (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC and value drawn from 2.16.840.1.113883.17.3.5.21 Level of responsiveness (NEMESIS) DYNAMIC.
 - NEMESIS EVitals.26
 - CONF-108: Pain score, with code 56840-2 (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC and an ordinal value between 0 and 10, inclusive.
 - NEMESIS EVitals.27
 - There are three scales, but the values are equivalent
 - CONF-109: Stroke scale score, with code 67520-7 (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC and value drawn from 2.16.840.1.113883.17.3.5.22 Stroke scale score (NEMESIS) DYNAMIC, and with observationMethod drawn from 2.16.840.1.113883.17.3.5.23 Stroke scale (NEMESIS) DYNAMIC.
 - NEMESIS EVitals.29, 30
 - CONF-110: A Glasgow Coma Scale Score, with code 9269-2 (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC and integer value equaling the sum of its component ordinals, which MAY have one or two (0..2) entryRelationships with code = COMP and /Observation
 - CONF-236: Glasgow Coma eye total score, with code 9269-2 (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC and integer value equal to the sum of the other components.
 - CONF-237: Glasgow Coma special circumstances codes, with code 55285-1 (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC and value from LOINC answer codes.
 - And SHALL have three entryRelationships with code = COMP and /Observations for
 - CONF-111: Glasgow Coma eye response score, with code 9267-6 (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC and integer value between 1 and 4, inclusive.

- CONF-238: Glasgow Coma verbal response score, with code 9270-0 (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC and integer value between 1 and 5, inclusive.
- CONF-239: Glasgow Coma motor response score, with code 9268-4 (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC and integer value between 1 and 6, inclusive.
 - NEMSIS EVitals.19-23

6.4.9 Physical Assessment

- CONF-248: An EMS Physical Assessment section (2.16.840.1.113883.17.3.10.1.20) SHALL have code = 67668-4 (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC.
- CONF-112: An EMS Physical Assessment section SHALL contain at least one entry/Organizer, each of which SHALL have an effectiveTime.
 - NEMSIS EExam.03
- CONF-113: An EMS Physical Assessment Organizer MAY have zero or more of each of the following /Observations:
 - CONF-114: A body weight, with code = 8335-2 (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC and quantity value.
 - NEMSIS EExam.01
 - UCUM units SHOULD be “kg”.
 - CONF-115: A length-based body weight classification, with code = 67670-0 (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC and value drawn from 2.16.840.1.113883.17.3.5.24 Weight classification (NEMSIS) DYNAMIC.
 - NEMSIS EExam.02
 - Note: a license is required to implement the Broselow-Luten measure.
 - CONF-116: A skin assessment, with code = 67524-9 (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC and value drawn from 2.16.840.1.113883.17.3.5.25 Skin assessment (NEMSIS) DYNAMIC.
 - NEMSIS EExam.04
 - CONF-117: A head assessment, with code = 67525-6 (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC and value drawn from 2.16.840.1.113883.17.3.5.26 Head assessment (NEMSIS) DYNAMIC.
 - NEMSIS EExam.05
 - CONF-118: A face assessment, with code = 67526-4 (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC and value drawn from 2.16.840.1.113883.17.3.5.27 Face assessment (NEMSIS) DYNAMIC.
 - NEMSIS EExam.06
 - CONF-119: A neck assessment, with code = 67527-2 (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC and value drawn from 2.16.840.1.113883.17.3.5.28 Neck assessment (NEMSIS) DYNAMIC.
 - NEMSIS EExam.07
 - CONF-120: A chest & lungs assessment, with code = 67528-0 (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC and value drawn from 2.16.840.1.113883.17.3.5.29 Chest and Lungs assessment (NEMSIS) DYNAMIC.
 - NEMSIS EExam.08

- CONF-240: A heart assessment, with code = 67529-8 (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC and value drawn from 2.16.840.1.113883.17.3.5.30 Heart assessment (NEMESIS) DYNAMIC.
 - NEMESIS EExam.09
- CONF-121: An abdomen assessment, with code = 67530-6 (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC, value drawn from 2.16.840.1.113883.17.3.5.31 Abdomen assessment (NEMESIS) DYNAMIC, and targetSiteCode drawn from 2.16.840.1.113883.17.3.5.32 Abdomen finding location (NEMESIS) DYNAMIC.
 - NEMESIS EExam.10, 11
- CONF-122: A pelvic & genitourinary assessment with code = 67531-4 (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC and value drawn from 2.16.840.1.113883.17.3.5.33 Pelvic and genitourinary assessment.
 - NEMESIS EExam.12
- CONF-123: A back and spine assessment, with code = 67532-2 (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC, value drawn from 2.16.840.1.113883.17.3.5.34 Back and Spine assessment (NEMESIS) DYNAMIC, and targetSiteCode drawn from 2.16.840.1.113883.17.3.5.35 Back and Spine finding location (NEMESIS) DYNAMIC.
 - NEMESIS EExam.13, 14
- CONF-124: An extremities assessment, with code = 67533-0 (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC, value drawn from 2.16.840.1.113883.17.3.5.36 Extremities assessment (NEMESIS) DYNAMIC, and targetSiteCode drawn from 2.16.840.1.113883.17.3.5.37 Extremities finding location (NEMESIS) DYNAMIC.
 - NEMESIS EExam.15, 16
- CONF-125: An eye assessment, with code = 67534-8 (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC, value drawn from 2.16.840.1.113883.17.3.5.38 Eye assessment (NEMESIS) DYNAMIC, and targetSiteCode drawn from 2.16.840.1.113883.17.3.5.39 Eye finding location (NEMESIS) DYNAMIC.
 - NEMESIS EExam.17, 18
- CONF-126: A mental status assessment, with code = 67535-5 (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC, and value drawn from 2.16.840.1.113883.17.3.5.84 Mental status assessment (NEMESIS) DYNAMIC.
 - NEMESIS EExam.19
- CONF-127: A neurological assessment, with code = 67536-3 (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC, and value drawn from 2.16.840.1.113883.17.3.5.40 Neurological assessment (NEMESIS) DYNAMIC.
 - NEMESIS EExam.20
- CONF-: CONF-112: An EMS Physical Assessment section MAY contain an assessment of patient pregnancy having code = 67471-3 (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC and value drawn from 2.16.840.1.113883.17.3.5.42 Pregnancy status (NEMESIS) DYNAMIC.
 - NEMESIS EHistory.18
- CONF-128: CONF-112: An EMS Physical Assessment section MAY contain an observation of the time of last oral intake having code = 67517-3 (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC and a datetime value.
 - NEMESIS eHistory.19
- CONF-129: CONF-112: An EMS Physical Assessment section SHALL contain an observation of the patient's age, having code = 30525-0 (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC and a PQ value.
 - NEMESIS ePatient.15, 16

- UCUM units will typically be “a”.
- CONF-240: CONF-112: An EMS Physical Assessment section MAY contain an observation of thrombolytic contraindications having code = 67523-1 (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC and value drawn from 2.16.840.1.113883.17.3.5.41 Existence of contraindications to thrombolytic use (NEMESIS) DYNAMIC.
 - NEMESIS EVitals.31
- CONF-241: An EMS Physical Assessment section SHALL contain an entry/observation for barriers to patient care having code = 67523-1 (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC, with value taken from 2.16.840.1.113883.17.3.5.85 (NEMESIS) DYNAMIC.
 - NEMESIS eHistory.01

6.4.10 Medications Administered

- CONF-248: An EMS Medications Administered section (2.16.840.1.113883.17.3.10.1.18) SHALL have code = 67849-0 MEDICATION ADMINISTERED (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC.
- CONF-131: An EMS Medications Administered section MAY contain zero or more entry/SubstanceAdministration.
- CONF-132: A substance administration SHALL have an effectiveTime
 - NEMESIS EMedications.01
- CONF-133: A substance administration SHALL have a consumable/ManufacturedProduct/LabeledDrug with code drawn from 2.16.840.1.113883.6.88 (RxNorm) DYNAMIC.
 - NEMESIS EMedications.03
- CONF-241: If a substance is recorded as not given, it shall be recorded with a negationInd = True, and with an entryRelationship such that it
 - **SHALL** contain exactly one [1..1] @typeCode="RSON" Has reason (CodeSystem: HL7ActRelationshipType 2.16.840.1.113883.5.1002)
 - **SHALL** contain exactly one [1..1] @inversionInd="true" True
 - **SHALL** contain exactly one /Observation with code drawn from 2.16.840.1.113883.17.3.5.42 Medication omission reason and value = “Assertion.”
 - NEMESIS EMedications.03 negative action values
- CONF-134: A substance administration SHALL have a routeCode drawn from 2.16.840.1.113883.17.3.5.43 EMS medication route code (NEMESIS) DYNAMIC.
 - NEMESIS EMedications.04
- CONF-135: A substance administration SHALL have a doseQuantity.
 - NEMESIS EMedications.05, 06
 - See appendix C for dose quantity unit mappings to UCUM
- CONF-136: A substance administration SHALL have an entryRelationship/Observation for patient response to medication with code 67540-5 (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC and value drawn from 2.16.840.1.113883.17.3.5.44 Response to medication (NEMESIS) DYNAMIC.
 - NEMESIS EMedications.07
- CONF-137: A substance administration SHALL have an entryRelationship/Observation for medication complications with code 67541-3 (CodeSystem = 2.16.840.1.113883.6.1 LOINC)

STATIC and value drawn from 2.16.840.1.113883.17.3.5.45 Medication complication (NEMESIS) DYNAMIC.

- NEMESIS EMedications.08
- CONF-138: A substance administration SHALL have an entryRelationship/Observation to indicate whether the medication was administered prior to the EMS unit's care with code 67539-7 (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC with a Boolean value.
 - NEMESIS EMedications.02
- CONF-139: If the medication was administered by the EMS unit (i.e., 67539-7 is False), the substance administration SHALL have a performer/AssignedEntity with roleCode drawn from 2.16.840.1.113883.17.3.5.46 Performer role (NEMESIS) STATIC and ID equal to the EMS professional's agency ID number.
 - NEMESIS EMedications.10, 09
- CONF-140: A substance administration SHALL have an entryRelationship/Act to indicate the kind of authorization for the administration, having classCode = "INFRM", moodCode = "EVN", and code drawn from 2.16.840.1.113883.17.3.5.47 Authorization type (NEMESIS) DYNAMIC.
 - NEMESIS EMedications.11

6.4.11 Procedures Performed

- CONF-249: An EMS Procedures Performed section (2.16.840.1.113883.17.3.10.1.21) SHALL have code = 67802-9 EMS PROCEDURES PERFORMED (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC.
- CONF-141: An EMS Procedures Performed section MAY contain zero or more entry/Procedures.
- CONF-142: A procedure SHOULD have a code, drawn from ICD-10 PC (CodeSystem = 2.16.840.1.113883.6.4 ICD-10 PCS).
 - NEMESIS EProcedures.03
 - NEMESIS EArrest.10 (therapeutic hypothermia, ICD-10 PCS "6A4")
- CONF-143: A procedure MAY have a code drawn from 2.16.840.1.113883.17.3.5.57 Resuscitation type (NEMESIS) DYNAMIC.
 - NEMESIS EArrest.09
- CONF-144: A procedure SHALL have an effectiveTime.
 - NEMESIS EProcedures.01
- CONF-242: If an abandoned time is recorded,
 - the procedure SHALL have statusCode = "aborted" (CodeSystem = 2.16.840.1.113883.1.11.20309 HL7) STATIC.
 - the abandon time SHALL be recorded in effectiveTime.high.
 - the procedure SHALL have an entryRelationship/Observation for the reason, with code = "Assertion" and value drawn from 2.16.840.1.113883.17.3.5.62 Reason for discontinuing procedure (NEMESIS) DYNAMIC..
 - NEMESIS EArrest.15, 16
- CONF-145: If the procedure is an Intravenous catheterization, (code = 3E03), it SHALL have an approachSiteCode drawn from 2.16.840.1.113883.17.3.5.56 IV site (NEMESIS) DYNAMIC..
 - EProcedures.13
- CONF-146: An EMS Procedures Performed section MAY contain an entryRelationship/Observation with code = 67504-1 (CodeSystem = 2.16.840.1.113883.6.1

LOINC) STATIC and value drawn from 2.16.840.1.113883.17.3.5.90 Resuscitation attempt (NEMESIS) DYNAMIC.

- NEMESIS EArrest.03
- Note: If and when ICD-10 PC provides a code for CPR, this can be modeled as a procedure, though negative values will need to be managed as individual cases.
- CONF-147: A procedure SHALL have an entryRelationship/Observation stating whether the procedure was performed prior to the EMS encounter, having code 67542-1 (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC and Boolean value, nullable.
 - NEMESIS EProcedures.02
- CONF-243: A procedure SHALL have an entryRelationship/Observation giving the number of attempts, having code 67543-9 (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC, and integer value, nullable.
 - NEMESIS EProcedures.05
- CONF-148: A procedure SHALL have an entryRelationship/Observation stating whether the procedure was successful, having code 67544-7 (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC and Boolean value, nullable.
 - NEMESIS EProcedures.06
- CONF-149: A procedure SHALL have at least one entryRelationship/Observation identifying complications, having code 67545-4 (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC and value drawn from 2.16.840.1.113883.17.3.5.58 Procedure complication (NEMESIS) DYNAMIC.
 - NEMESIS EProcedures.07
- CONF-150: A procedure SHALL have an entryRelationship/Observation describing the patient response, having code 67546-2 (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC and value drawn from 2.16.840.1.113883.17.3.5.59 Patient response (NEMESIS) DYNAMIC.
 - NEMESIS EProcedures.08
- CONF-151: A procedure SHALL have a performer/AssignedEntity, having code drawn from 2.16.840.1.113883.17.3.5.46 Performer role and ID equal to the EMS professional's agency ID number.
 - NEMESIS EProcedures.09, 10
- CONF-152: An airway placement procedure (code = 0CHY7B) SHOULD have an entryRelationship/Procedure with a confirmation, with methodCode drawn from 2.16.840.1.113883.17.3.5.60 Airway confirmation method (NEMESIS) DYNAMIC.
 - NEMESIS EAirway.04
- CONF-153: An airway confirmation procedure SHALL have an effectiveTime.
 - NEMESIS EAirway.02
- CONF-154: An airway placement procedure SHALL have a participant/ParticipantRole/Device with code drawn from 2.16.840.1.113883.17.3.5.61 Airway device (NEMESIS) DYNAMIC.
 - NEMESIS EAirway.03
- CONF-155: If the airway placement is not confirmed, the placement confirmation SHALL be negated and its effectiveTime SHALL be the null value "NA" (CodeSystem = 2.16.840.1.113883.5.1008) STATIC.

6.4.12 Patient Care Report Narrative

The Narrative is a written description of the encounter.

- CONF-250: An EMS Patient Care Report Narrative section (2.16.840.1.113883.17.3.10.1.1) SHALL have code = 67781-5 (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC.
- CONF-157: An EMS Patient Care Report Narrative section SHALL contain a textual description of the encounter in Section.text.
 - NEMESIS ENarrative.01

6.4.13 Dispatch

Dispatch includes information received from the dispatching organization.

- CONF-251: An EMS Dispatch section (2.16.840.1.113883.17.3.10.1.2) SHALL have code = 67660-1 EMS Dispatch (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC.
- CONF-159: An EMS Dispatch section MAY contain an entryRelationship/Observation with code = 67488-7 (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC and value drawn from 2.16.840.1.113883.17.3.5.48 Emergency medical dispatch performance (NEMESIS) DYNAMIC.
 - NEMESIS EDispatch.02
- CONF-160: An EMS Dispatch section MAY contain an entryRelationship/Observation for the complaint reported by Dispatch, with code 67570-2 (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC and value drawn from 2.16.840.1.113883.17.3.5.49 Emergency medical dispatch complaint (NEMESIS) DYNAMIC.
 - NEMESIS EDispatch.01

6.4.14 Response

Response includes information regarding how the agency deploys a unit.

- CONF-252: An EMS Response section (2.16.840.1.113883.17.3.10.1.3) SHALL have code = 67664-3 EMS Response (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC.
- CONF-162: An EMS Response section SHALL contain an entry/Organizer for delay information.
- CONF-163: A delay organizer SHALL contain entryRelationship/Observations with the following values:
 - CONF-164: A dispatch delay observation with code = 67480-4 (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC and value drawn from 2.16.840.1.113883.17.3.5.50 Dispatch delay (NEMESIS) DYNAMIC.
 - NEMESIS EResponse.08
 - CONF-165: A response delay observation with code = 67557-9 (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC and value drawn from 2.16.840.1.113883.17.3.5.51 Response delay (NEMESIS) DYNAMIC.
 - NEMESIS EResponse.09
 - CONF-166: A scene delay observation with code = 67558-7 (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC and value drawn from 2.16.840.1.113883.17.3.5.52 Scene delay (NEMESIS) DYNAMIC.
 - NEMESIS EResponse.10
 - CONF-167: A transport delay observation with code = 67559-5 (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC and value drawn from 2.16.840.1.113883.17.3.5.53 Transport delay (NEMESIS) DYNAMIC.
 - NEMESIS EResponse.11

- CONF-168: A turn-around delay observation with code = 67560-3 (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC and value drawn from 2.16.840.1.113883.17.3.5.54 Turn-around delay (NEMESIS) DYNAMIC.
 - NEMESIS EResponse.12
- CONF-169: An EMS Response section MAY contain an an entry/Organizer for the dispatch location.
- CONF-170: A dispatch location organizer MAY contain any or all of the following actRelationship/Observations:
 - CONF-171: The dispatch location name, with code = 69466-1 (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC and a text value.
 - NEMESIS EResponse.16
 - CONF-172: The dispatch location degrees latitude, with code = 52002-3 (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC and a PQ value.
 - NEMESIS EResponse.17
 - UCUM units will typically be “deg”. This may require conversion from a parsed “degree + minutes” representation.
 - CONF-173: The dispatch location degrees longitude, with code = 52003-1 (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC and a PQ value.
 - NEMESIS EResponse.17
 - UCUM units will typically be “deg”. This may require conversion from a parsed “degree + minutes” representation.
- CONF-174: An EMS Response section MAY contain an an entry/Organizer for the unit odometer readings.
- CONF-175: A unit odometer organizer MAY contain any or all of the following actRelationship/Observations:
 - CONF-176: The beginning reading, with code = 67484-6 (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC and a PQ value.
 - NEMESIS EResponse.19
 - UCUM units will typically be “[mi_i]”.
 - CONF-177: The on-scene reading, with code = 67485-3 (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC and a PQ value.
 - NEMESIS EResponse.20
 - UCUM units will typically be “[mi_i]”.
 - CONF-178: The patient destination reading, with code = 67486-1 (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC and a PQ value.
 - NEMESIS EResponse.21
 - UCUM units will typically be “[mi_i]”.
 - CONF-179: The ending reading, with code = 67487-9 (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC and a PQ value.
 - NEMESIS EResponse.22
 - UCUM units will typically be “[mi_i]”.
- CONF-180: An EMS Response section SHALL contain an entryRelationship/Observation for the response mode to scene, having code = 67482-0 (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC and value drawn from 2.16.840.1.113883.17.3.5.55 Emergent transportation mode (NEMESIS) DYNAMIC.
 - NEMESIS EResponse.23

6.4.15 Disposition

Disposition includes information regarding where the crew took the patient and in what condition the patient arrived.

- CONF-253: An EMS Disposition section (2.16.840.1.113883.17.3.10.1.4), SHALL have code = 67796-3 EMS Disposition (LOINC).
- CONF-182: An EMS Disposition SHALL contain the following entryRelationship/Observations:
 - CONF-183: The number of patients, with code 67547-0 (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC and integer value
 - NEMESIS EDisposition.11
 - CONF-184: The disposition, with code = 67548-8 (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC and value drawn from 2.16.840.1.113883.17.3.5.64 EMS disposition (NEMESIS) DYNAMIC.
 - NEMESIS EDisposition.12
 - CONF-244: The transport method, with code = 67549-6 (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC and value drawn from 2.16.840.1.113883.17.3.5.65 EMS transport method (NEMESIS) DYNAMIC.
 - NEMESIS EDisposition.16
 - CONF-185: The transport mode, with code = 67550-4 (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC and value drawn from 2.16.840.1.113883.17.3.5.66 EMS transport mode (NEMESIS) DYNAMIC.
 - NEMESIS EDisposition.17
 - CONF-186: The patient condition at destination, with code = 67551-2 (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC and value drawn from 2.16.840.1.113883.17.3.5.59 Patient arrival condition (NEMESIS) DYNAMIC.
 - NEMESIS EDisposition.19
 - CONF-187: The reason for choosing the destination, with code = 67552-0 (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC and value drawn from 2.16.840.1.113883.17.3.5.68 Destination choice reason (NEMESIS) DYNAMIC.
 - NEMESIS EDisposition.20
 - CONF-188: Whether prearrival activation was performed, with code = 69462-0 (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC and Boolean value, including an effective time.
 - NEMESIS EDisposition.24
 - NEMESIS EDisposition.25

6.4.16 Billing

Billing includes information required by CMS or other payer organizations.

- CONF-254: An EMS Billing section (2.16.840.1.113883.17.3.10.1.5) SHALL have code = 67659-3 EMS Billing (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC.
- CONF-191: The billing section SHALL contain an entryRelationship/Observation representing the level of service provided, having code = 69464-6 (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC and value drawn from 2.16.840.1.113883.17.3.5.70 EMS level of service (NEMESIS) DYNAMIC.
 - NEMESIS EPayment.50
- CONF-192: The billing section SHALL contain an entryRelationship/Observation representing the patient's billing condition, having code = 67556-1 (CodeSystem = 2.16.840.1.113883.6.1 LOINC)

STATIC and value drawn from 2.16.840.1.113883.17.3.5.71 EMS billing condition (NEMESIS) DYNAMIC.

- NEMESIS EPayment.51

6.4.17 Exposures or Injuries of EMS Personnel

Exposures or Injuries of EMS Personnel includes information regarding injury or exposure of EMS personnel.

- CONF-255: An EMS Exposures or Injuries of EMS Personnel section (2.16.840.1.113883.17.3.10.1.6) SHALL have code = 67658-5 (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC.
- CONF-194: An Exposures or Injuries of EMS Personnel section SHALL contain an entryRelationship/Observation indicating whether this sort of event occurred during this encounter, with code = 67554-6 (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC and Boolean value.
 - NEMESIS EOther.05
- CONF-195: A positive indication of this sort of event SHALL contain an entryRelationship/Observation with code = 67555-3 (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC and value drawn from 2.16.840.1.113883.17.3.5.72 EMS work-related injury (NEMESIS) DYNAMIC.
 - NEMESIS EOther.06

6.4.18 Protocol

Protocol includes information regarding the protocols that the crew followed in handling the patient.

- CONF-256: An EMS Protocol section (2.16.840.1.113883.17.3.10.1.7) SHALL have code = 67537-1 EMS Protocol (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC.
- CONF-197: A protocol section SHALL contain an entryRelationship/Observation identifying the protocol used, with code = 67537-1 (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC and value drawn from 2.16.840.1.113883.17.3.5.73 EMS protocol (NEMESIS) DYNAMIC.
 - NEMESIS EProtocols.01
- CONF-198: A protocol section SHALL contain an entryRelationship/Observation identifying the age category for the protocol, with code = 67538-9 (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC and value drawn from 2.16.840.1.113883.17.3.5.86 EMS protocol age category (NEMESIS) DYNAMIC.
 - NEMESIS EProtocols.02
- CONF-199: A protocol section SHALL contain an entryRelationship/Observation identifying candidate registries for the patient, with code = 67553-8 (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC and value drawn from 2.16.840.1.113883.17.3.5.74 Registry type (NEMESIS) DYNAMIC.
 - NEMESIS EOther.02

6.4.19 Scene

Scene includes information regarding the location of the incident.

- CONF-257: An EMS Scene section (2.16.840.1.113883.17.3.10.1.8) SHALL have code = 67665-0 EMS Scene (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC
- CONF-201: A scene section SHALL contain an entryRelationship/Observation indicating whether the reporting EMS unit was the first unit on the scene, having code = 67481-2 (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC and Boolean value.
 - NEMESIS EScene.01
- CONF-202: A scene section MAY contain an entryRelationship/Observation naming the first EMS unit on the scene, having code = 67481-2 (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC and text value.
 - NEMESIS EScene.02
- CONF-203: A scene section MAY contain an entryRelationship/Observation indicating the number of patients at the scene, having code = 67489-5 (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC and value drawn from 2.16.840.1.113883.17.3.5.75 Patients at scene (NEMESIS) DYNAMIC.
 - NEMESIS EScene.06
- CONF-204: A scene section MAY contain an entryRelationship/Observation indicating whether the incident is a mass casualty incident, having code = 67490-3 (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC and Boolean value (NEMESIS) DYNAMIC.
 - NEMESIS EScene.07

6.4.20 Situation

Situation includes information that can be used to understand the onset of a problem.

- CONF-258: An EMS Situation section (2.16.840.1.113883.17.3.10.1.9) SHALL have code = 67666-8 (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC.
- CONF-206: A situation section SHALL contain one entryRelationship/Observation describing the chief complaint, having code = 10154-3 (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC and text value.
 - NEMESIS ESituation.04
- CONF-208: A complaint observation SHALL have an entryRelationship/Observation describing the duration of the complaint, having code = 67491-1 (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC and a PQ value.
 - NEMESIS ESituation.05, 06
 - See appendix C for NEMESIS mappings to UCUM units
- CONF-209: A chief complaint observation SHALL have an effectiveTime.low specifying the onset time of the complaint.
 - NEMESIS ESituation.01
- CONF-210: A chief complaint observation SHALL have an entryRelationship/Observation indicating whether the complaint is due to an injury, having code = 69467-9 (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC and a Boolean value, nullable.
 - NEMESIS ESituation.02
- CONF-211: A chief complaint observation SHALL have a targetSiteCode describing the anatomical location of the complaint, having value drawn from 2.16.840.1.113883.17.3.5.76 Chief complaint site (NEMESIS) DYNAMIC.
 - NEMESIS ESituation.07

- CONF-212: A chief complaint observation SHALL have an entryRelationship/Observation describing the organ system of the complaint, having code = 69468-7 (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC and value drawn from 2.16.840.1.113883.17.3.5.77 Chief complaint system (NEMESIS) DYNAMIC.
 - NEMESIS ESituation.08
- CONF-213: A chief complaint observation SHALL have an entryRelationship/Observation describing the EMS professional's impression of the complaint, having code = 67492-9 (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC and value drawn from ICD-10 CM (CodeSystem = 2.16.840.1.113883.6.90) DYNAMIC.
 - NEMESIS ESituation.11
- CONF-214: A chief complaint observation SHALL have an entryRelationship/Observation describing the primary symptom of the complaint, having code = 67774-0 (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC and value drawn from ICD-10 CM (CodeSystem = 2.16.840.1.113883.6.90) DYNAMIC.
 - NEMESIS ESituation.09
- CONF-215: A chief complaint observation MAY have one or more entryRelationship/Observations describing other symptoms of the complaint, having code = 67776-5 (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC and value drawn from ICD-10 CM (CodeSystem = 2.16.840.1.113883.6.90) DYNAMIC.
 - NEMESIS ESituation.10
- CONF-216: A complaint observation other than the chief complaint MAY have one or more entryRelationship/Observations describing the EMS professional's impression of the complaint, having code = EMSTEMPCL_39 (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC and value drawn from ICD-10 CM (CodeSystem = 2.16.840.1.113883.6.90) DYNAMIC.
 - NEMESIS ESituation.12
- CONF-217: A situation section SHALL have an entryRelationship/Observation indicating the condition of the patient on the unit's arrival at the scene, having code 67493-7 (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC and value drawn from 2.16.840.1.113883.17.3.5.78 Triage status (NEMESIS) DYNAMIC.
 - NEMESIS ESituation.13

6.4.21 Times

Times includes timestamps for defined events in the EMS service provision process.

- CONF-259: An EMS Times section (2.16.840.1.113883.17.3.10.1.10) SHALL have code = EMSTEMPCL_10 EMS Times (LOINC).
- CONF-219: A times section SHALL contain entryRelationship/Observations with the date/time values and following codes:
 - CONF-220: Call time, with code = 69469-5 (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC.
 - NEMESIS ETimes.01
 - CONF-220: Unit notified time, with code = 69471-1 (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC.
 - NEMESIS ETimes.03
 - This is a duplicate of the time in the encompassing encounter in the header
 - CONF-222: Unit en route, with code = 69472-9 (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC.

- NEMSIS ETimes.05
 - CONF-223: Unit on scene, with code = 69473-7 (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC.
 - NEMSIS ETimes.06
 - CONF-224: Unit arrived at patient, with code = 69474-5 (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC.
 - NEMSIS ETimes.07
 - CONF-225: Unit left scene, with code = 69475-2 (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC.
 - NEMSIS ETimes.09
 - CONF-226: Patient arrived at destination, with code = 69476-0 (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC.
 - NEMSIS ETimes.11
 - CONF-227: Unit back in service, with code = 69477-8 (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC.
 - NEMSIS ETimes.13
- CONF-228: A times section MAY contain an entryRelationship/Observation for dispatch notified time, with code = 69470-3 (CodeSystem = 2.16.840.1.113883.6.1 LOINC) STATIC.
 - CONF-220: NEMSIS ETimes.02

Appendix A: Object Identifiers for State Motor Vehicle Administrators

Recorded from HL7 repository, March, 2011

OID	State Administrator
2.16.840.1.113883.4.3.1	Alabama Motor Vehicle Bureau
2.16.840.1.113883.4.3.2	Alaska Motor Vehicle Bureau
2.16.840.1.113883.4.3.4	Arizona Motor Vehicle Bureau
2.16.840.1.113883.4.3.5	Arkansas Motor Vehicle Bureau
2.16.840.1.113883.4.3.6	California Motor Vehicle Bureau
2.16.840.1.113883.4.3.8	Colorado Motor Vehicle Bureau
2.16.840.1.113883.4.3.9	Connecticut Motor Vehicle Bureau
2.16.840.1.113883.4.3.10	Delaware Motor Vehicle Bureau
2.16.840.1.113883.4.3.11	District of Columbia Motor Vehicle Bureau
2.16.840.1.113883.4.3.12	Florida Motor Vehicle Bureau
2.16.840.1.113883.4.3.13	Georgia Motor Vehicle Bureau
2.16.840.1.113883.4.3.15	Hawaii Motor Vehicle Bureau
2.16.840.1.113883.4.3.16	Idaho Motor Vehicle Bureau
2.16.840.1.113883.4.3.17	Illinois Motor Vehicle Bureau
2.16.840.1.113883.4.3.18	Indiana Bureau for Motor Vehicles (BMV)
2.16.840.1.113883.4.3.19	Iowa Motor Vehicle Bureau
2.16.840.1.113883.4.3.20	Kansas Motor Vehicle Bureau
2.16.840.1.113883.4.3.21	Kentucky Motor Vehicle Bureau
2.16.840.1.113883.4.3.22	Louisiana Motor Vehicle Bureau
2.16.840.1.113883.4.3.23	Maine Motor Vehicle Bureau
2.16.840.1.113883.4.3.24	Maryland Motor Vehicle Bureau
2.16.840.1.113883.4.3.25	Massachusetts Motor Vehicle Bureau
2.16.840.1.113883.4.3.26	Michigan Motor Vehicle Bureau
2.16.840.1.113883.4.3.27	Minnesota Motor Vehicle Bureau
2.16.840.1.113883.4.3.28	Mississippi Motor Vehicle Bureau
2.16.840.1.113883.4.3.29	Missouri Motor Vehicle Bureau
2.16.840.1.113883.4.3.30	Montana Motor Vehicle Bureau
2.16.840.1.113883.4.3.31	Nebraska Motor Vehicle Bureau
2.16.840.1.113883.4.3.32	Nevada Motor Vehicle Bureau
2.16.840.1.113883.4.3.33	New Hampshire Motor Vehicle Bureau
2.16.840.1.113883.4.3.34	New Jersey Motor Vehicle Bureau
2.16.840.1.113883.4.3.35	New Mexico Motor Vehicle Bureau

OID	State Administrator
2.16.840.1.113883.4.3.36	New York Motor Vehicle Bureau
2.16.840.1.113883.4.3.37	North Carolina Motor Vehicle Bureau
2.16.840.1.113883.4.3.38	North Dakota Motor Vehicle Bureau
2.16.840.1.113883.4.3.39	Ohio Motor Vehicle Bureau
2.16.840.1.113883.4.3.40	Oklahoma Motor Vehicle Bureau
2.16.840.1.113883.4.3.41	Oregon Motor Vehicle Bureau
2.16.840.1.113883.4.3.42	Pennsylvania Motor Vehicle Bureau
2.16.840.1.113883.4.3.44	Rhode Island Motor Vehicle Bureau
2.16.840.1.113883.4.3.45	South Carolina Motor Vehicle Bureau
2.16.840.1.113883.4.3.46	South Dakota Motor Vehicle Bureau
2.16.840.1.113883.4.3.47	Tennessee Motor Vehicle Bureau
2.16.840.1.113883.4.3.48	Texas Motor Vehicle Bureau
2.16.840.1.113883.4.3.49	Utah Motor Vehicle Bureau
2.16.840.1.113883.4.3.50	Vermont Motor Vehicle Bureau
2.16.840.1.113883.4.3.51	Virginia Motor Vehicle Bureau
2.16.840.1.113883.4.3.53	Washington Motor Vehicle Bureau
2.16.840.1.113883.4.3.54	West Virginia Motor Vehicle Bureau
2.16.840.1.113883.4.3.55	Wisconsin Motor Vehicle Bureau
2.16.840.1.113883.4.3.56	Wyoming Motor Vehicle Bureau

Appendix B: Nulls and Negative Action Values

	NEMESIS Negative Action Values	Type	NullFlavor	Case	Solution
1	Unable to Complete	null	NI	observation	Observation.value = null (NI); obs.text = "unable to complete"
2	Unable to Complete	null	NI	medication	Add Boolean observation; put null value in observation.text = "unable to complete"
3	Unable to Complete	null	NI	procedure	Add Boolean observation; put null value in observation.text = "unable to complete"
4	Refused	null	ASKU (NT)	observation	Observation.value = null (ASKU)
5	Refused	neg		observation	Observation.value = null (ASKU); with a relationship to an act with this code
6	Refused	null	ASKU (NT)	medication history	Add Boolean observation; Observation.value = null (ASKU)
7	Refused	neg		medication given	negate specific medication with a relationship to an act with this code (refused)
8	Refused	null	ASKU (NT)	procedure history	Add Boolean observation; Observation.value = null (ASKU)
9	Refused	neg		procedure performed	negate specific procedure with a relationship to an act with this code
10	Exam finding not present	null	NAV	observation	Observation.value = null (NAV)
11	No known drug allergies	none		observation: negation value	q= allergy; negate; a="no known drug allergies"
12	None reported	none		observation: alcohol	q= alcohol/drug ind; a="none"
13	None reported	none		observation: history (condition)	Add Boolean observation; observation.value = "none"
14	None reported	none		medication	Add Boolean observation; observation.value = "none"
15	None reported	none		procedure	Add Boolean observation; observation.value = "none"
16	No anticoagulants or	none		medication	Negate med code = 372862008 anticoagulant (Type:= substance) or

	bleeding disorder				81839001 anticoagulant (Type:= pharmaceutical / biologic product)
17	No anticoagulants or bleeding disorder	none		observation	Negate observation value = 64779008 bleeding disorder (Type:= clinical finding). There is no single coherent IDC-10 code for bleeding disorder
18	Contraindication noted	neg		medication, procedure	negate specific procedure or medication with a relationship to an act with this code
19	Denied by order	neg		medication, procedure	negate specific procedure or medication with a relationship to an act with this code
20	Medication allergy	neg		medication	negate specific medication with a relationship to an act with this code
21	Medication already taken	neg		medication	negate specific medication with a relationship to an act with this code
	Null Values				
22	Not Applicable	null	NA		null: NA
23	Not Recorded	null	NI		null: NI; add detail to obs.text or proc.text
24	Not Reported	null	NI		null: NI; add detail to obs.text or proc.text

Appendix C: Unit Mappings

NEMESIS Question	NEMESIS Code	Description	PQ QTY	PQ Units (UCUM)	Supporting values
emedications.06	3706001	Grams	Yes	g	
emedications.06	3706003	Inches	Yes	[IN_I]	
emedications.06	3706005	International Units	Yes	[iU]	
emedications.06	3706007	Keep Vein Open (To Keep Open)	NULL	NULL	substanceAdministration.value.nullFlavor = QS (sufficient quantity); codeSystem = 2.16.840.1.113883.5.1008
emedications.06	3706009	Liters	Yes	L	
emedications.06	3706011	Liters Per Minute	Yes	L/min	
emedications.06	3706013	MDI Puffs	Yes	1	substanceAdministration.administrationUnitCode = PUFF; codeSystem = 2.16.840.1.113883.1.11.14570
emedications.06	3706015	Micrograms	Yes	ug	
emedications.06	3706017	Micrograms per Kilogram per Minute	Yes	ug/kg/min	
emedications.06	3706019	Milliequivalents	Yes	meq	
emedications.06	3706021	Milligrams	Yes	mg	
emedications.06	3706023	Milligrams Per Kilogram Per Minute	Yes	mg/kg/min	
emedications.06	3706025	Milliliters	Yes	mL	
emedications.06	3706027	Milliliters Per Hour	Yes	mL/h	
emedications.06	3706029	Other	Yes	1	substanceAdministration.value.units = OTH; codeSystem = 2.16.840.1.113883.5.1008
ehistory.14	3114001	cm	Yes	cm	
ehistory.14	3114003	gms	Yes	g	
ehistory.14	3114005	gtts (drops)	Yes	1	substanceAdministration.administrationUnitCode = DROP; codeSystem = 2.16.840.1.113883.1.11.14420
ehistory.14	3114007	inches	Yes	[IN_I]	
ehistory.14	3114009	iu	Yes	[iU]	

NEMESIS Question	NEMESIS Code	Description	PQ QTY	PQ Units (UCUM)	Supporting values
ehistory.14	3114011	kvo (keep vein open)	NULL	NULL	substanceAdministration.value.nullFlavor = QS (sufficient quantity); codeSystem = 2.16.840.1.113883.5.1008
ehistory.14	3114013	l/min (fluid administration)	Yes	L/min	
ehistory.14	3114015	liters	Yes	L	
ehistory.14	3114017	LPM (gas administration)	Yes	L/min	
ehistory.14	3114019	mcg	Yes	ug	
ehistory.14	3114021	mcg/kg/min	Yes	ug/kg/min	
ehistory.14	3114023	mcg/min	Yes	ug/min	
ehistory.14	3114025	meq	Yes	meq	
ehistory.14	3114027	metered dose	Yes	1	substanceAdministration.value.units = OTH; codeSystem = 2.16.840.1.113883.5.1008
ehistory.14	3114029	mg	Yes	mg	
ehistory.14	3114031	mg/kg	Yes	mg/kg	
ehistory.14	3114033	mg/kg/min	Yes	mg/kg/min	
ehistory.14	3114035	mg/min	Yes	mg/min	
ehistory.14	3114037	ml	Yes	mL	
ehistory.14	3114039	ml/hr	Yes	mL/h	
ehistory.14	3114041	other (Not Listed)	Yes	1	substanceAdministration.value.units = OTH; codeSystem = 2.16.840.1.113883.5.1008
ehistory.14	3114043	puffs	Yes	1	substanceAdministration.administrationUnitCode = PUFF; codeSystem = 2.16.840.1.113883.1.11.14570
ehistory.14	3114045	units/hr	Yes	1/h	
epatient.16	2516001	Days	Yes	d	
epatient.16	2516003	Hours	Yes	h	
epatient.16	2516005	Minutes	Yes	min	
epatient.16	2516007	Months	Yes	mo	
epatient.16	2516009	Years	Yes	a	

NEMSIS Question	NEMSIS Code	Description	PQ QTY	PQ Units (UCUM)	Supporting values
esituation.06	2806001	Seconds	Yes	s	
esituation.06	2806003	Minutes	Yes	min	
esituation.06	2806005	Hours	Yes	h	
esituation.06	2806007	Days	Yes	d	
esituation.06	2806009	Weeks	Yes	wk	
esituation.06	2806011	Months	Yes	mo	
esituation.06	2806013	Years	Yes	a	

Appendix D: Value Sets

Value sets are available at nemsis.org, and will also be posted at the CDC's PHIN VADS, <https://phinvads.cdc.gov/>.

As of 12/31/2011, their values are as follows:

Section	NEMESIS Element	LOINC	Code Description	Value Set	NEMESIS Code	LOINC Answer String
Injury Incident	EInjury.02	67494-5	Mechanism of Injury	2.16.840.1.113883.17.3.5.1		
			Blunt	2.16.840.1.113883.17.3.5.1	2902001	LA17335-3
			Burn	2.16.840.1.113883.17.3.5.1	2902003	LA7318-4
			Other	2.16.840.1.113883.17.3.5.1	2902005	LA46-8
			Penetrating	2.16.840.1.113883.17.3.5.1	2902007	LA17336-1
EMS cardiac arrest event	EArrest.02	67503-3	Cardiac Arrest Etiology	2.16.840.1.113883.17.3.5.10		
			Cardiac (Presumed)	2.16.840.1.113883.17.3.5.10	3002001	LA17056-5
			Drowning/Submersion	2.16.840.1.113883.17.3.5.10	3002003	LA17977-2
			Drug Overdose	2.16.840.1.113883.17.3.5.10	3002005	LA17978-0
			Electrocution	2.16.840.1.113883.17.3.5.10	3002007	LA9539-3
			Exsanguination	2.16.840.1.113883.17.3.5.10	3002009	LA17979-8
			Other (Not Listed)	2.16.840.1.113883.17.3.5.10	3002011	LA17059-9
			Respiratory/Asphyxia	2.16.840.1.113883.17.3.5.10	3002013	LA17980-6
			Trauma	2.16.840.1.113883.17.3.5.10	3002015	LA17058-1
EMS cardiac arrest event	EArrest.04	67505-8	Arrest Witnessed by	2.16.840.1.113883.17.3.5.11		
			Not Witnessed	2.16.840.1.113883.17.3.5.11	3004001	LA18023-4
			Witnessed by Family Member	2.16.840.1.113883.17.3.5.11	3004003	LA18020-0
			Witnessed by Healthcare Provider	2.16.840.1.113883.17.3.5.11	3004005	LA18021-8
			Witnessed by Lay Person	2.16.840.1.113883.17.3.5.11	3004007	LA18022-6
EMS cardiac arrest	EArrest.06	67507-4	Who Provided CPR Prior to	2.16.840.1.113883.17.3.5.12		

event			EMS Arrival			
EMS cardiac arrest event	EArrest.08	67509-0	Who Used AED Prior to EMS Arrival	2.16.840.1.113883.17.3.5.12		
			Family Member	2.16.840.1.113883.17.3.5.12		LA9277-0
			First Responder (Fire, Law, EMS)	2.16.840.1.113883.17.3.5.12		LA18016-8
			Healthcare Professional (Non-EMS)	2.16.840.1.113883.17.3.5.12		LA18017-6
			Lay Person (Non-Family)	2.16.840.1.113883.17.3.5.12		LA18018-4
			Other EMS Professional (not part of dispatched response)	2.16.840.1.113883.17.3.5.12		LA18019-2
EMS cardiac arrest event	EArrest.07	67508-2	AED Use Prior to EMS Arrival	2.16.840.1.113883.17.3.5.13		
			No	2.16.840.1.113883.17.3.5.13	3007001	LA32-8
			Yes, Applied without Defibrillation	2.16.840.1.113883.17.3.5.13	3007003	LA17067-2
			Yes, With Defibrillation	2.16.840.1.113883.17.3.5.13	3007005	LA17066-4
EMS cardiac arrest event	EArrest.11	67512-4	First Monitored Arrest Rhythm of the Patient	2.16.840.1.113883.17.3.5.14		
			Asystole	2.16.840.1.113883.17.3.5.14	3011001	LA17068-0
			Bradycardia	2.16.840.1.113883.17.3.5.14	3011003	LA17394-0
			PEA	2.16.840.1.113883.17.3.5.14	3011005	LA17070-6
			Unknown AED Non-Shockable Rhythm	2.16.840.1.113883.17.3.5.14	3011007	LA17071-4
			Unknown AED Shockable Rhythm	2.16.840.1.113883.17.3.5.14	3011009	LA17072-2
			Ventricular Fibrillation	2.16.840.1.113883.17.3.5.14	3011011	LA17073-0
			Ventricular Tachycardia-Pulseless	2.16.840.1.113883.17.3.5.14	3011013	
EMS cardiac arrest event	EArrest.12	67513-2	Any Return of Spontaneous Circulation	2.16.840.1.113883.17.3.5.15		
			No	2.16.840.1.113883.17.3.5.15	3012001	

			Yes, At Arrival at the ED	2.16.840.1.113883.17.3.5.15	3012003	LA17076-3
			Yes, Prior to Arrival at the ED	2.16.840.1.113883.17.3.5.15	3012005	LA17075-5
			Yes, Sustained for 20 consecutive minutes	2.16.840.1.113883.17.3.5.15	3012007	LA17077-1
EMS cardiac arrest event	EArrest.17	67514-0	Cardiac Rhythm on Arrival at Destination	2.16.840.1.113883.17.3.5.16		
Vital Signs	EVitals.03	67519-9	Cardiac Rhythm and Electrocardiography	2.16.840.1.113883.17.3.5.16		
			Agonal/Idioventricular	2.16.840.1.113883.17.3.5.16	9901001	LA17083-9
			Asystole	2.16.840.1.113883.17.3.5.16	9901003	LA17068-0
			Artifact	2.16.840.1.113883.17.3.5.16	9901005	LA12904-1
			Artifact	2.16.840.1.113883.17.3.5.16	9901005	LA12904-1
			Artifact	2.16.840.1.113883.17.3.5.16	9901005	LA12904-1
			Artifact	2.16.840.1.113883.17.3.5.16	9901005	LA12904-1
			Atrial Fibrillation	2.16.840.1.113883.17.3.5.16	9901007	LA17084-7
			Atrial Flutter	2.16.840.1.113883.17.3.5.16	9901009	LA17085-4
			AV Block-1st Degree	2.16.840.1.113883.17.3.5.16	9901011	LA17086-2
			AV Block-2nd Degree-Type 1	2.16.840.1.113883.17.3.5.16	9901013	LA17087-0
			AV Block-2nd Degree-Type 2	2.16.840.1.113883.17.3.5.16	9901015	LA17088-8
			AV Block-3rd Degree	2.16.840.1.113883.17.3.5.16	9901017	LA17089-6
			Junctional	2.16.840.1.113883.17.3.5.16	9901019	LA17090-4
			Left Bundle Branch Block	2.16.840.1.113883.17.3.5.16	9901021	LA17091-2
			Non-STEMI Anterior Ischemia	2.16.840.1.113883.17.3.5.16	9901023	LA18205-7
			Non-STEMI Inferior Ischemia	2.16.840.1.113883.17.3.5.16	9901025	LA18206-5
			Non-STEMI Lateral Ischemia	2.16.840.1.113883.17.3.5.16	9901027	LA18207-3
			Non-STEMI Posterior Ischemia	2.16.840.1.113883.17.3.5.16	9901029	LA18208-1
			Other (Not Listed)	2.16.840.1.113883.17.3.5.16	9901031	LA17059-9
			Paced Rhythm	2.16.840.1.113883.17.3.5.16	9901033	LA17093-8
			PEA	2.16.840.1.113883.17.3.5.16	9901035	LA17070-6
			Premature Atrial Contractions	2.16.840.1.113883.17.3.5.16	9901037	LA17094-6

		Premature Ventricular Contractions	2.16.840.1.113883.17.3.5.16	9901039	LA17095-3
		Right Bundle Branch Block	2.16.840.1.113883.17.3.5.16	9901041	LA17096-1
		Sinus Arrhythmia	2.16.840.1.113883.17.3.5.16	9901043	LA17097-9
		Sinus Bradycardia	2.16.840.1.113883.17.3.5.16	9901045	LA17098-7
		Sinus Rhythm	2.16.840.1.113883.17.3.5.16	9901047	LA17718-0
		Sinus Tachycardia	2.16.840.1.113883.17.3.5.16	9901049	LA17099-5
		STEMI Anterior Ischemia	2.16.840.1.113883.17.3.5.16	9901051	LA17703-2
		STEMI Inferior Ischemia	2.16.840.1.113883.17.3.5.16	9901053	LA17704-0
		STEMI Lateral Ischemia	2.16.840.1.113883.17.3.5.16	9901055	LA17705-7
		STEMI Posterior Ischemia	2.16.840.1.113883.17.3.5.16	9901057	LA17706-5
		Supraventricular Tachycardia	2.16.840.1.113883.17.3.5.16	9901059	LA17100-1
		Torsades De Points	2.16.840.1.113883.17.3.5.16	9901061	LA17101-9
		Unknown AED Non-Shockable Rhythm	2.16.840.1.113883.17.3.5.16	9901063	LA17071-4
		Unknown AED Shockable Rhythm	2.16.840.1.113883.17.3.5.16	9901065	LA17072-2
		Ventricular Fibrillation	2.16.840.1.113883.17.3.5.16	9901067	LA17073-0
		Ventricular Tachycardia (With Pulse)	2.16.840.1.113883.17.3.5.16	9901069	LA17708-1
		Ventricular Tachycardia (Pulseless)	2.16.840.1.113883.17.3.5.16	9901071	LA17074-8
current medications	EHistory.15	Current Medication Administration Route	2.16.840.1.113883.17.3.5.17		
		Endotracheal Tube	2.16.840.1.113883.17.3.5.17	3115001	
		Gastrostomy/Feeding Tube	2.16.840.1.113883.17.3.5.17	3115003	
		Inhalation	2.16.840.1.113883.17.3.5.17	3115005	
		Intra-Nasal	2.16.840.1.113883.17.3.5.17	3115007	
		Intramuscular (IM)	2.16.840.1.113883.17.3.5.17	3115009	
		Intraocular	2.16.840.1.113883.17.3.5.17	3115011	
		Intraosseous (IO)	2.16.840.1.113883.17.3.5.17	3115013	

			Intravenous (IV)	2.16.840.1.113883.17.3.5.17	3115015	
			Nasal Cannula	2.16.840.1.113883.17.3.5.17	3115017	
			Nasogastric	2.16.840.1.113883.17.3.5.17	3115019	
			Non-Rebreather Mask	2.16.840.1.113883.17.3.5.17	3115021	
			Ophthalmic	2.16.840.1.113883.17.3.5.17	3115023	
			Oral	2.16.840.1.113883.17.3.5.17	3115025	
			Other/miscellaneous	2.16.840.1.113883.17.3.5.17	3115027	
			Otic	2.16.840.1.113883.17.3.5.17	3115029	
			Rectal	2.16.840.1.113883.17.3.5.17	3115031	
			Subcutaneous	2.16.840.1.113883.17.3.5.17	3115033	
			Sublingual	2.16.840.1.113883.17.3.5.17	3115035	
			Topical	2.16.840.1.113883.17.3.5.17	3115037	
			Tracheostomy	2.16.840.1.113883.17.3.5.17	3115039	
			Transdermal	2.16.840.1.113883.17.3.5.17	3115041	
			Urethral	2.16.840.1.113883.17.3.5.17	3115043	
			Ventimask	2.16.840.1.113883.17.3.5.17	3115045	
			Wound	2.16.840.1.113883.17.3.5.17	3115047	
Social History	EHistory.17	67669-2	Alcohol/Drug Use Indicators	2.16.840.1.113883.17.3.5.18		
			Alcohol Containers/Paraphernalia at Scene	2.16.840.1.113883.17.3.5.18	3117001	LA17323-9
			Drug Paraphernalia at Scene	2.16.840.1.113883.17.3.5.18	3117003	LA17324-7
			Patient Admits to Alcohol Use	2.16.840.1.113883.17.3.5.18	3117005	LA17325-4
			Patient Admits to Drug Use	2.16.840.1.113883.17.3.5.18	3117007	LA17326-2
			Positive Level known from Law Enforcement or Hospital Record	2.16.840.1.113883.17.3.5.18	3117009	LA17327-0
			Smell of Alcohol on Breath	2.16.840.1.113883.17.3.5.18	3117011	LA17328-8
Vital Signs	EVitals.04		ECG Type	2.16.840.1.113883.17.3.5.19		
			3 Lead	2.16.840.1.113883.17.3.5.19	3304001	

			4 Lead	2.16.840.1.113883.17.3.5.19	3304003	
			5 Lead	2.16.840.1.113883.17.3.5.19	3304005	
			12 Lead-Left Sided (Normal)	2.16.840.1.113883.17.3.5.19	3304007	
			12 Lead-Right Sided	2.16.840.1.113883.17.3.5.19	3304009	
			15 Lead	2.16.840.1.113883.17.3.5.19	3304011	
			18 Lead	2.16.840.1.113883.17.3.5.19	3304013	
			Other (Not Listed)	2.16.840.1.113883.17.3.5.19	3304015	
Vital Signs	EVitals.05		Method of ECG Interpretation	2.16.840.1.113883.17.3.5.20		
			Computer Interpretation	2.16.840.1.113883.17.3.5.20	3305001	
			Manual Interpretation	2.16.840.1.113883.17.3.5.20	3305003	
			Transmission with No Interpretation	2.16.840.1.113883.17.3.5.20	3305005	
			Transmission with Remote Interpretation	2.16.840.1.113883.17.3.5.20	3305007	
Vital Signs	EVitals.26	67775-7	Level of Responsiveness (APVU)	2.16.840.1.113883.17.3.5.21		
			Alert	2.16.840.1.113883.17.3.5.21	3326001	LA9340-6
			Verbal	2.16.840.1.113883.17.3.5.21	3326003	LA17108-4
			Painful	2.16.840.1.113883.17.3.5.21	3326005	LA17107-6
			Unresponsive	2.16.840.1.113883.17.3.5.21	3326007	LA9343-0
assessment	EExam.02	67670-0	Length Based Tape Measure	2.16.840.1.113883.17.3.5.24		
			Blue	2.16.840.1.113883.17.3.5.24	3502001	LA15553-3
			Green	2.16.840.1.113883.17.3.5.24	3502003	LA15555-8
			Grey	2.16.840.1.113883.17.3.5.24	3502005	LA15554-1
			Orange	2.16.840.1.113883.17.3.5.24	3502007	LA17196-9
			Pink	2.16.840.1.113883.17.3.5.24	3502009	LA17192-8
			Purple	2.16.840.1.113883.17.3.5.24	3502011	LA17194-4
			Red	2.16.840.1.113883.17.3.5.24	3502013	LA17193-6
			White	2.16.840.1.113883.17.3.5.24	3502015	LA4457-3
			Yellow	2.16.840.1.113883.17.3.5.24	3502017	LA17195-1

assessment	EExam.04	67524-9	Skin Assessment	2.16.840.1.113883.17.3.5.25		
			Clammy	2.16.840.1.113883.17.3.5.25	3504001	LA17197-7
			Cold	2.16.840.1.113883.17.3.5.25	3504003	LA15475-9
			Cyanotic	2.16.840.1.113883.17.3.5.25	3504005	LA17198-5
			Diaphoretic	2.16.840.1.113883.17.3.5.25	3504007	LA18217-2
			Dry	2.16.840.1.113883.17.3.5.25	3504009	LA17199-3
			Flushed	2.16.840.1.113883.17.3.5.25	3504011	LA17201-7
			Hot	2.16.840.1.113883.17.3.5.25	3504013	LA17202-5
			Jaundiced	2.16.840.1.113883.17.3.5.25	3504015	LA17203-3
			Lividity	2.16.840.1.113883.17.3.5.25	3504017	LA17204-1
			Mottled	2.16.840.1.113883.17.3.5.25	3504019	LA17205-8
			Normal	2.16.840.1.113883.17.3.5.25	3504021	LA6626-1
			Not Done	2.16.840.1.113883.17.3.5.25	3504023	LA6630-3
			Pale	2.16.840.1.113883.17.3.5.25	3504025	LA17206-6
			Poor Turgor	2.16.840.1.113883.17.3.5.25	3504027	LA18218-0
			Red (Erythematous)	2.16.840.1.113883.17.3.5.25	3504029	LA17200-9
			Tenting	2.16.840.1.113883.17.3.5.25	3504031	LA18219-8
			Warm	2.16.840.1.113883.17.3.5.25	3504033	LA17207-4
assessment	EExam.05	67525-6	Head Assessment	2.16.840.1.113883.17.3.5.26		
assessment	EExam.05	67525-6	Abrasion	2.16.840.1.113883.17.3.5.26	3505001	LA7410-9
			Avulsion	2.16.840.1.113883.17.3.5.26	3505003	LA18220-6
			Bleeding Controlled	2.16.840.1.113883.17.3.5.26	3505005	LA17208-2
			Bleeding Uncontrolled	2.16.840.1.113883.17.3.5.26	3505007	LA17209-0
			Burn-Blistering	2.16.840.1.113883.17.3.5.26	3505009	LA18221-4
			Burn-Charring	2.16.840.1.113883.17.3.5.26	3505011	LA18222-2
			Burn-Redness	2.16.840.1.113883.17.3.5.26	3505013	LA18223-0
			Burn-White/Waxy	2.16.840.1.113883.17.3.5.26	3505015	LA18224-8
			Decapitation	2.16.840.1.113883.17.3.5.26	3505017	LA17210-8
			Deformity	2.16.840.1.113883.17.3.5.26	3505019	LA18225-5
			Drainage	2.16.840.1.113883.17.3.5.26	3505021	LA17211-6

			Foreign Body	2.16.840.1.113883.17.3.5.26	3505023	LA18226-3
			Gunshot Wound-Entry	2.16.840.1.113883.17.3.5.26	3505025	LA17244-7
			Gunshot Wound-Exit	2.16.840.1.113883.17.3.5.26	3505027	LA17245-4
			Laceration	2.16.840.1.113883.17.3.5.26	3505029	LA7452-1
			Mass/Lesion	2.16.840.1.113883.17.3.5.26	3505031	LA17213-2
			Normal	2.16.840.1.113883.17.3.5.26	3505033	LA6626-1
			Not Done	2.16.840.1.113883.17.3.5.26	3505035	LA6630-3
			Pain	2.16.840.1.113883.17.3.5.26	3505037	LA7460-4
			Puncture/Stab Wound	2.16.840.1.113883.17.3.5.26	3505039	LA17214-0
			Swelling/Bruising/Contusion with Pain	2.16.840.1.113883.17.3.5.26	3505041	LA17215-7
			Swelling/Bruising/Contusion without Pain	2.16.840.1.113883.17.3.5.26	3505043	LA17220-7
assessment	EExam.06	67526-4	Face Assessment	2.16.840.1.113883.17.3.5.27		
			Abrasion	2.16.840.1.113883.17.3.5.27	3506001	LA7410-9
			Asymmetric Smile or Droop	2.16.840.1.113883.17.3.5.27	3506003	LA17216-5
			Avulsion	2.16.840.1.113883.17.3.5.27	3506005	LA18220-6
			Bleeding Controlled	2.16.840.1.113883.17.3.5.27	3506007	LA17208-2
			Bleeding Uncontrolled	2.16.840.1.113883.17.3.5.27	3506009	LA17209-0
			Burn-Blistering	2.16.840.1.113883.17.3.5.27	3506011	LA18221-4
			Burn-Charring	2.16.840.1.113883.17.3.5.27	3506013	LA18222-2
			Burn-Redness	2.16.840.1.113883.17.3.5.27	3506015	LA18223-0
			Burn-White/Waxy	2.16.840.1.113883.17.3.5.27	3506017	LA18224-8
			Decapitation	2.16.840.1.113883.17.3.5.27	3506019	LA17210-8
			Deformity	2.16.840.1.113883.17.3.5.27	3506021	LA18225-5
			Drainage	2.16.840.1.113883.17.3.5.27	3506023	LA17211-6
			Foreign Body	2.16.840.1.113883.17.3.5.27	3506025	LA18226-3
			Gunshot Wound-Entry	2.16.840.1.113883.17.3.5.27	3506027	LA17244-7
			Gunshot Wound-Exit	2.16.840.1.113883.17.3.5.27	3506029	LA17245-4
			Laceration	2.16.840.1.113883.17.3.5.27	3506031	LA7452-1

			Mass/Lesion	2.16.840.1.113883.17.3.5.27	3506033	LA17213-2
			Normal	2.16.840.1.113883.17.3.5.27	3506035	LA6626-1
			Not Done	2.16.840.1.113883.17.3.5.27	3506037	LA6630-3
			Pain	2.16.840.1.113883.17.3.5.27	3506039	LA7460-4
			Puncture/Stab Wound	2.16.840.1.113883.17.3.5.27	3506041	LA17214-0
			Swelling/Bruising/Contusion with Pain	2.16.840.1.113883.17.3.5.27	3506043	LA17215-7
			Swelling/Bruising/Contusion without Pain	2.16.840.1.113883.17.3.5.27	3506045	LA17220-7
assessment	EExam.07	67527-2	Neck Assessment	2.16.840.1.113883.17.3.5.28		
			Abrasion	2.16.840.1.113883.17.3.5.28	3507001	LA7410-9
			Avulsion	2.16.840.1.113883.17.3.5.28	3507003	LA18220-6
			Bleeding Controlled	2.16.840.1.113883.17.3.5.28	3507005	LA17208-2
			Bleeding Uncontrolled	2.16.840.1.113883.17.3.5.28	3507007	LA17209-0
			Burn-Blistering	2.16.840.1.113883.17.3.5.28	3507009	LA18221-4
			Burn-Charring	2.16.840.1.113883.17.3.5.28	3507011	LA18222-2
			Burn-Redness	2.16.840.1.113883.17.3.5.28	3507013	LA18223-0
			Burn-White/Waxy	2.16.840.1.113883.17.3.5.28	3507015	LA18224-8
			Decapitation	2.16.840.1.113883.17.3.5.28	3507017	LA17210-8
			Foreign Body	2.16.840.1.113883.17.3.5.28	3507019	LA18226-3
			Gunshot Wound-Entry	2.16.840.1.113883.17.3.5.28	3507021	LA17244-7
			Gunshot Wound-Exit	2.16.840.1.113883.17.3.5.28	3507023	LA17245-4
			JVD	2.16.840.1.113883.17.3.5.28	3507025	LA17217-3
			Laceration	2.16.840.1.113883.17.3.5.28	3507027	LA7452-1
			Normal	2.16.840.1.113883.17.3.5.28	3507029	LA6626-1
			Not Done	2.16.840.1.113883.17.3.5.28	3507031	LA6630-3
			Pain	2.16.840.1.113883.17.3.5.28	3507033	LA7460-4
			Puncture/Stab Wound	2.16.840.1.113883.17.3.5.28	3507035	LA17214-0
			Stridor	2.16.840.1.113883.17.3.5.28	3507037	LA17612-5
			Subcutaneous Air	2.16.840.1.113883.17.3.5.28	3507039	LA17219-9

			Swelling/Bruising/Contusion with Pain	2.16.840.1.113883.17.3.5.28	3507041	LA17215-7
			Swelling/Bruising/Contusion without Pain	2.16.840.1.113883.17.3.5.28	3507043	LA17220-7
			Tracheal Deviation-Left	2.16.840.1.113883.17.3.5.28	3507045	LA18228-9
			Tracheal Deviation-Right	2.16.840.1.113883.17.3.5.28	3507047	LA18227-1
assessment	EExam.08	67528-0	Chest/Lungs Assessment	2.16.840.1.113883.17.3.5.29		
			Abrasion	2.16.840.1.113883.17.3.5.29	3508001	LA7410-9
			Avulsion	2.16.840.1.113883.17.3.5.29	3508003	LA18220-6
			Accessory Muscles Used with Breathing	2.16.840.1.113883.17.3.5.29	3508005	LA17222-3
			Bleeding Controlled	2.16.840.1.113883.17.3.5.29	3508007	LA17208-2
			Bleeding Uncontrolled	2.16.840.1.113883.17.3.5.29	3508009	LA17209-0
			Breath Sounds-Absent-Left	2.16.840.1.113883.17.3.5.29	3508011	LA17223-1
			Breath Sounds-Absent-Right	2.16.840.1.113883.17.3.5.29	3508013	LA17224-9
			Breath Sounds-Decreased Left	2.16.840.1.113883.17.3.5.29	3508015	LA17225-6
			Breath Sounds-Decreased Right	2.16.840.1.113883.17.3.5.29	3508017	LA17226-4
			Breath Sounds-Equal	2.16.840.1.113883.17.3.5.29	3508019	
			Breath Sounds-Normal-Left	2.16.840.1.113883.17.3.5.29	3508021	LA17227-2
			Breath Sounds-Normal-Right	2.16.840.1.113883.17.3.5.29	3508023	LA17228-0
			Burn-Blistering	2.16.840.1.113883.17.3.5.29	3508025	LA18221-4
			Burn-Charring	2.16.840.1.113883.17.3.5.29	3508027	LA18222-2
			Burn-Redness	2.16.840.1.113883.17.3.5.29	3508029	LA18223-0
			Burn-White/Waxy	2.16.840.1.113883.17.3.5.29	3508031	LA18224-8
			Crush Injury	2.16.840.1.113883.17.3.5.29	3508033	LA17229-8
			Deformity	2.16.840.1.113883.17.3.5.29	3508035	LA18225-5
			Flail Segment-Left	2.16.840.1.113883.17.3.5.29	3508037	LA17230-6
			Flail Segment-Right	2.16.840.1.113883.17.3.5.29	3508039	LA17231-4
			Foreign Body	2.16.840.1.113883.17.3.5.29	3508041	LA18226-3

		Gunshot Wound-Entry	2.16.840.1.113883.17.3.5.29	3508043	LA17244-7
		Gunshot Wound-Exit	2.16.840.1.113883.17.3.5.29	3508045	LA17245-4
		Increased Respiratory Effort	2.16.840.1.113883.17.3.5.29	3508047	LA17232-2
		Implanted Device	2.16.840.1.113883.17.3.5.29	3508049	LA18236-2
		Laceration	2.16.840.1.113883.17.3.5.29	3508051	LA7452-1
		Normal	2.16.840.1.113883.17.3.5.29	3508053	LA6626-1
		Not Done	2.16.840.1.113883.17.3.5.29	3508055	LA6630-3
		Pain	2.16.840.1.113883.17.3.5.29	3508057	LA7460-4
		Pain with Inspiration/expiration-Left	2.16.840.1.113883.17.3.5.29	3508059	LA17233-0
		Pain with Inspiration/expiration-Right	2.16.840.1.113883.17.3.5.29	3508061	LA17234-8
		Puncture/Stab Wound	2.16.840.1.113883.17.3.5.29	3508063	LA17214-0
		Rales-Left	2.16.840.1.113883.17.3.5.29	3508065	LA18229-7
		Rales-Right	2.16.840.1.113883.17.3.5.29	3508067	LA18230-5
		Retraction	2.16.840.1.113883.17.3.5.29	3508069	LA18231-3
		Rhonchi-Left	2.16.840.1.113883.17.3.5.29	3508071	LA18232-1
		Rhonchi-Right	2.16.840.1.113883.17.3.5.29	3508073	LA18233-9
		Rhonchi/Wheezing	2.16.840.1.113883.17.3.5.29	3508075	LA17236-3
		Stridor-Left	2.16.840.1.113883.17.3.5.29	3508077	LA18234-7
		Stridor-Right	2.16.840.1.113883.17.3.5.29	3508079	LA18235-4
		Swelling/Bruising/Contusion with Pain	2.16.840.1.113883.17.3.5.29	3508081	LA17215-7
		Swelling/Bruising/Contusion without Pain	2.16.840.1.113883.17.3.5.29	3508083	LA17220-7
		Tenderness-Left	2.16.840.1.113883.17.3.5.29	3508085	LA17237-1
		Tenderness-Right	2.16.840.1.113883.17.3.5.29	3508087	LA17238-9
		Wheezing-Expiratory - Left	2.16.840.1.113883.17.3.5.29	3508089	LA18238-8
		Wheezing-Expiratory - Right	2.16.840.1.113883.17.3.5.29	3508091	LA18237-0
		Wheezing-Inspiratory - Left	2.16.840.1.113883.17.3.5.29	3508093	LA18239-6

			Wheezing-Inspiratory - Right	2.16.840.1.113883.17.3.5.29	3508095	LA18240-4
Injury Incident	EInjury.03	67495-2	Trauma Center Criteria	2.16.840.1.113883.17.3.5.3		
			Amputation Proximal to Wrist and Ankle	2.16.840.1.113883.17.3.5.3	2903001	LA17340-3
			Crushed, Degloved, or Mangled Extremity	2.16.840.1.113883.17.3.5.3	2903003	LA17341-1
			Flail Chest	2.16.840.1.113883.17.3.5.3	2903005	LA17342-9
			Glasgow Coma Score less than 14	2.16.840.1.113883.17.3.5.3	2903007	LA17337-9
			Open or Depressed Skull Fracture	2.16.840.1.113883.17.3.5.3	2903009	LA17343-7
			Paralysis	2.16.840.1.113883.17.3.5.3	2903011	LA17344-5
			Pelvic Fracture(s)	2.16.840.1.113883.17.3.5.3	2903013	LA17345-2
			Penetrating Injury to Head, Neck, Torso, and Extremities Proximal to Elbow and Knee	2.16.840.1.113883.17.3.5.3	2903015	LA17346-0
			Respiratory Rate <10 or >29 OR (<20 in infant < one year)	2.16.840.1.113883.17.3.5.3	2903017	LA17338-7
			Systolic Blood Pressure less than 90	2.16.840.1.113883.17.3.5.3	2903019	LA17339-5
			Two or More Proximal Long-Bone Fractures	2.16.840.1.113883.17.3.5.3	2903021	LA17347-8
assessment	EExam.09	67529-8	Heart Assessment	2.16.840.1.113883.17.3.5.30		
			Clicks	2.16.840.1.113883.17.3.5.30	3509001	LA18241-2
			Heart Sounds Decreased	2.16.840.1.113883.17.3.5.30	3509003	LA17239-7
			Murmur-Diastolic	2.16.840.1.113883.17.3.5.30	3509005	LA17240-5
			Murmur-Systolic	2.16.840.1.113883.17.3.5.30	3509007	LA17241-3
			Normal	2.16.840.1.113883.17.3.5.30	3509009	LA6626-1
			Not Done	2.16.840.1.113883.17.3.5.30	3509011	LA6630-3
			Rubs	2.16.840.1.113883.17.3.5.30	3509013	LA18246-1
			S1	2.16.840.1.113883.17.3.5.30	3509015	LA18242-0

			S2	2.16.840.1.113883.17.3.5.30	3509017	LA18243-8
			S3	2.16.840.1.113883.17.3.5.30	3509019	LA18244-6
			S4	2.16.840.1.113883.17.3.5.30	3509021	LA18245-3
assessment	EExam.11	67530-6	Abdomen Assessment	2.16.840.1.113883.17.3.5.31		
			Abrasion	2.16.840.1.113883.17.3.5.31	3511001	LA7410-9
			Avulsion	2.16.840.1.113883.17.3.5.31	3511003	LA18220-6
			Bleeding Controlled	2.16.840.1.113883.17.3.5.31	3511005	LA17208-2
			Bleeding Uncontrolled	2.16.840.1.113883.17.3.5.31	3511007	LA17209-0
			Bowel Sounds-Absent	2.16.840.1.113883.17.3.5.31	3511009	LA18247-9
			Bowel Sounds-Present	2.16.840.1.113883.17.3.5.31	3511011	LA18248-7
			Burn-Blistering	2.16.840.1.113883.17.3.5.31	3511013	LA18221-4
			Burn-Charring	2.16.840.1.113883.17.3.5.31	3511015	LA18222-2
			Burn-Redness	2.16.840.1.113883.17.3.5.31	3511017	LA18223-0
			Burn-White/Waxy	2.16.840.1.113883.17.3.5.31	3511019	LA18224-8
			Distention	2.16.840.1.113883.17.3.5.31	3511021	LA17242-1
			Foreign Body	2.16.840.1.113883.17.3.5.31	3511023	
			Guarding	2.16.840.1.113883.17.3.5.31	3511025	LA17243-9
			Gunshot Wound-Entry	2.16.840.1.113883.17.3.5.31	3511027	LA17244-7
			Gunshot Wound-Exit	2.16.840.1.113883.17.3.5.31	3511029	LA17245-4
			Laceration	2.16.840.1.113883.17.3.5.31	3511031	LA7452-1
			Mass/Lesion	2.16.840.1.113883.17.3.5.31	3511033	LA17213-2
			Mass-Pulsating	2.16.840.1.113883.17.3.5.31	3511035	LA17246-2
			Normal	2.16.840.1.113883.17.3.5.31	3511037	LA6626-1
			Not Done	2.16.840.1.113883.17.3.5.31	3511039	LA6630-3
			Pain	2.16.840.1.113883.17.3.5.31	3511041	LA7460-4
			Pregnant-Palpable Uterus	2.16.840.1.113883.17.3.5.31	3511043	LA17247-0
			Puncture/Stab Wound	2.16.840.1.113883.17.3.5.31	3511045	LA17214-0
			Swelling/Bruising/Contusion with Pain	2.16.840.1.113883.17.3.5.31	3511047	LA17215-7

			Swelling/Bruising/Contusion without Pain	2.16.840.1.113883.17.3.5.31	3511049	LA17220-7
			Tenderness	2.16.840.1.113883.17.3.5.31	3511051	LA17709-9
assessment	EExam.10		Abdominal Exam Finding Location	2.16.840.1.113883.17.3.5.32		
			Generalized	2.16.840.1.113883.17.3.5.32	3510001	
			Left Lower Quadrant	2.16.840.1.113883.17.3.5.32	3510003	
			Left Upper Quadrant	2.16.840.1.113883.17.3.5.32	3510005	
			Periumbilical	2.16.840.1.113883.17.3.5.32	3510007	
			Right Lower Quadrant	2.16.840.1.113883.17.3.5.32	3510009	
			Right Upper Quadrant	2.16.840.1.113883.17.3.5.32	3510011	
assessment	EExam.12	67531-4	Pelvis/Genitourinary Assessment	2.16.840.1.113883.17.3.5.33		
			Abrasion	2.16.840.1.113883.17.3.5.33	3512001	LA7410-9
			Avulsion	2.16.840.1.113883.17.3.5.33	3512003	LA18220-6
			Bleeding Controlled	2.16.840.1.113883.17.3.5.33	3512005	LA17208-2
			Bleeding Uncontrolled	2.16.840.1.113883.17.3.5.33	3512007	LA17209-0
			Bleeding-Rectal	2.16.840.1.113883.17.3.5.33	3512009	LA17248-8
			Bleeding-Urethral	2.16.840.1.113883.17.3.5.33	3512011	LA17249-6
			Bleeding-Vaginal	2.16.840.1.113883.17.3.5.33	3512013	LA17250-4
			Burn-Blistering	2.16.840.1.113883.17.3.5.33	3512015	LA18221-4
			Burn-Charring	2.16.840.1.113883.17.3.5.33	3512017	LA18222-2
			Burn-Redness	2.16.840.1.113883.17.3.5.33	3512019	LA18223-0
			Burn-White/Waxy	2.16.840.1.113883.17.3.5.33	3512021	LA18224-8
			Deformity	2.16.840.1.113883.17.3.5.33	3512023	LA18225-5
			Foreign Body	2.16.840.1.113883.17.3.5.33	3512025	LA18226-3
			Genital Injury	2.16.840.1.113883.17.3.5.33	3512027	LA17251-2
			Gunshot Wound-Entry	2.16.840.1.113883.17.3.5.33	3512029	LA17244-7
			Gunshot Wound-Exit	2.16.840.1.113883.17.3.5.33	3512031	LA17245-4
			Laceration	2.16.840.1.113883.17.3.5.33	3512033	LA7452-1

			Mass/Lesion	2.16.840.1.113883.17.3.5.33	3512035	LA17213-2
			Normal	2.16.840.1.113883.17.3.5.33	3512037	LA6626-1
			Not Done	2.16.840.1.113883.17.3.5.33	3512039	LA6630-3
			Pain	2.16.840.1.113883.17.3.5.33	3512041	LA7460-4
			Pelvic Fracture	2.16.840.1.113883.17.3.5.33	3512043	LA17252-0
			Pelvic Instability	2.16.840.1.113883.17.3.5.33	3512045	LA17253-8
			Penile Priapism/Erection	2.16.840.1.113883.17.3.5.33	3512047	LA17254-6
			Pregnant-Crowning	2.16.840.1.113883.17.3.5.33	3512049	LA17255-3
			Puncture/Stab Wound	2.16.840.1.113883.17.3.5.33	3512051	LA17214-0
			Swelling/Bruising/Contusion with Pain	2.16.840.1.113883.17.3.5.33	3512053	LA17215-7
			Swelling/Bruising/Contusion without Pain	2.16.840.1.113883.17.3.5.33	3512055	LA17220-7
			Tenderness	2.16.840.1.113883.17.3.5.33	3512057	LA17709-9
assessment	EExam.14	67532-2	Back and Spine Assessment	2.16.840.1.113883.17.3.5.34		
			Abrasion	2.16.840.1.113883.17.3.5.34	3514001	LA7410-9
			Avulsion	2.16.840.1.113883.17.3.5.34	3514003	LA18220-6
			Bleeding Controlled	2.16.840.1.113883.17.3.5.34	3514005	LA17208-2
			Bleeding Uncontrolled	2.16.840.1.113883.17.3.5.34	3514007	LA17209-0
			Burn-Blistering	2.16.840.1.113883.17.3.5.34	3514009	LA18221-4
			Burn-Charring	2.16.840.1.113883.17.3.5.34	3514011	LA18222-2
			Burn-Redness	2.16.840.1.113883.17.3.5.34	3514013	LA18223-0
			Burn-White/Waxy	2.16.840.1.113883.17.3.5.34	3514015	LA18224-8
			Deformity	2.16.840.1.113883.17.3.5.34	3514017	LA18225-5
			Foreign Body	2.16.840.1.113883.17.3.5.34	3514019	LA18226-3
			Gunshot Wound-Entry	2.16.840.1.113883.17.3.5.34	3514021	LA17244-7
			Gunshot Wound-Exit	2.16.840.1.113883.17.3.5.34	3514023	LA17245-4
			Laceration	2.16.840.1.113883.17.3.5.34	3514025	LA7452-1
			Normal	2.16.840.1.113883.17.3.5.34	3514027	LA6626-1
			Not Done	2.16.840.1.113883.17.3.5.34	3514029	LA6630-3

			Pain	2.16.840.1.113883.17.3.5.34	3514031	LA7460-4
			Pain with Range of Motion	2.16.840.1.113883.17.3.5.34	3514033	LA17256-1
			Puncture/Stab Wound	2.16.840.1.113883.17.3.5.34	3514035	LA17214-0
			Swelling/Bruising/Contusion with Pain	2.16.840.1.113883.17.3.5.34	3514037	LA17215-7
			Swelling/Bruising/Contusion without Pain	2.16.840.1.113883.17.3.5.34	3514039	LA17220-7
			Tenderness Costovertebral Angle	2.16.840.1.113883.17.3.5.34	3514041	LA17257-9
			Tenderness Midline Spinous Process	2.16.840.1.113883.17.3.5.34	3514043	LA17258-7
			Tenderness Paraspinous	2.16.840.1.113883.17.3.5.34	3514045	LA17259-5
assessment	EExam.13		Back and Spine Assessment Finding Location	2.16.840.1.113883.17.3.5.35		
			Back-General	2.16.840.1.113883.17.3.5.35	3513001	
			Cervical-Left	2.16.840.1.113883.17.3.5.35	3513003	
			Cervical-Midline	2.16.840.1.113883.17.3.5.35	3513005	
			Cervical-Right	2.16.840.1.113883.17.3.5.35	3513007	
			Lumbar-Left	2.16.840.1.113883.17.3.5.35	3513009	
			Lumbar-Midline	2.16.840.1.113883.17.3.5.35	3513011	
			Lumbar-Right	2.16.840.1.113883.17.3.5.35	3513013	
			Thoracic-Left	2.16.840.1.113883.17.3.5.35	3513015	
			Thoracic-Midline	2.16.840.1.113883.17.3.5.35	3513017	
			Thoracic-Right	2.16.840.1.113883.17.3.5.35	3513019	
			Sacral-Left	2.16.840.1.113883.17.3.5.35	3513021	
			Sacral-Midline	2.16.840.1.113883.17.3.5.35	3513023	
			Sacral-Right	2.16.840.1.113883.17.3.5.35	3513025	
assessment	EExam.16	67533-0	Extremities Assessment	2.16.840.1.113883.17.3.5.36		
			Abrasion	2.16.840.1.113883.17.3.5.36	3516001	LA7410-9
			Amputation-Acute	2.16.840.1.113883.17.3.5.36	3516003	LA17260-3

		Amputation-Previous	2.16.840.1.113883.17.3.5.36	3516005	LA17261-1
		Avulsion	2.16.840.1.113883.17.3.5.36	3516007	LA18220-6
		Bleeding Controlled	2.16.840.1.113883.17.3.5.36	3516009	LA17208-2
		Bleeding Uncontrolled	2.16.840.1.113883.17.3.5.36	3516011	LA17209-0
		Burn-Blistering	2.16.840.1.113883.17.3.5.36	3516013	LA18221-4
		Burn-Charring	2.16.840.1.113883.17.3.5.36	3516015	
		Burn-Redness	2.16.840.1.113883.17.3.5.36	3516017	
		Burn-White/Waxy	2.16.840.1.113883.17.3.5.36	3516019	
		Clubbing (of fingers)	2.16.840.1.113883.17.3.5.36	3516021	LA18249-5
		Crush Injury	2.16.840.1.113883.17.3.5.36	3516023	LA17229-8
		Deformity	2.16.840.1.113883.17.3.5.36	3516025	LA18225-5
		Dislocation	2.16.840.1.113883.17.3.5.36	3516027	LA17262-9
		Edema	2.16.840.1.113883.17.3.5.36	3516029	LA17263-7
		Foreign Body	2.16.840.1.113883.17.3.5.36	3516031	LA18226-3
		Fracture-Closed	2.16.840.1.113883.17.3.5.36	3516033	LA17264-5
		Fracture-Open	2.16.840.1.113883.17.3.5.36	3516035	LA17265-2
		Gunshot Wound-Entry	2.16.840.1.113883.17.3.5.36	3516037	LA17244-7
		Gunshot Wound-Exit	2.16.840.1.113883.17.3.5.36	3516039	LA17245-4
		Laceration	2.16.840.1.113883.17.3.5.36	3516041	LA7452-1
		Motor Function- Abnormal/Weakness	2.16.840.1.113883.17.3.5.36	3516043	LA17266-0
		Motor Function-Absent	2.16.840.1.113883.17.3.5.36	3516045	LA17267-8
		Motor Function-Normal	2.16.840.1.113883.17.3.5.36	3516047	LA17268-6
		Normal	2.16.840.1.113883.17.3.5.36	3516049	LA6626-1
		Not Done	2.16.840.1.113883.17.3.5.36	3516051	LA6630-3
		Pain	2.16.840.1.113883.17.3.5.36	3516053	LA7460-4
		Paralysis	2.16.840.1.113883.17.3.5.36	3516055	LA17344-5
		Pulse-Abnormal	2.16.840.1.113883.17.3.5.36	3516057	LA17269-4
		Pulse-Absent	2.16.840.1.113883.17.3.5.36	3516059	LA17270-2
		Pulse-Normal	2.16.840.1.113883.17.3.5.36	3516061	LA17271-0

		Puncture/Stab Wound	2.16.840.1.113883.17.3.5.36	3516063	LA17214-0
		Sensation-Abnormal	2.16.840.1.113883.17.3.5.36	3516065	LA17272-8
		Sensation-Absent	2.16.840.1.113883.17.3.5.36	3516067	LA17273-6
		Sensation-Normal	2.16.840.1.113883.17.3.5.36	3516069	LA17274-4
		Swelling/Bruising/Contusion with Pain	2.16.840.1.113883.17.3.5.36	3516071	LA17215-7
		Swelling/Bruising/Contusion without Pain	2.16.840.1.113883.17.3.5.36	3516073	LA17220-7
		Tenderness	2.16.840.1.113883.17.3.5.36	3516075	LA17709-9
assessment	EExam.15	Extremity Assessment Finding Location	2.16.840.1.113883.17.3.5.37		
		Ankle-Left	2.16.840.1.113883.17.3.5.37	3515001	
		Ankle-Right	2.16.840.1.113883.17.3.5.37	3515003	
		Arm-Upper-Left	2.16.840.1.113883.17.3.5.37	3515005	
		Arm-Upper-Right	2.16.840.1.113883.17.3.5.37	3515007	
		Elbow-Left	2.16.840.1.113883.17.3.5.37	3515009	
		Elbow-Right	2.16.840.1.113883.17.3.5.37	3515011	
		Finger-2nd (Index)-Left	2.16.840.1.113883.17.3.5.37	3515013	
		Finger-2nd (Index)-Right	2.16.840.1.113883.17.3.5.37	3515015	
		Finger-3rd (Middle)-Left	2.16.840.1.113883.17.3.5.37	3515017	
		Finger-3rd (Middle)-Right	2.16.840.1.113883.17.3.5.37	3515019	
		Finger-4th (Ring)-Left	2.16.840.1.113883.17.3.5.37	3515021	
		Finger-4th (Ring)-Right	2.16.840.1.113883.17.3.5.37	3515023	
		Finger-5th (Smallest)-Left	2.16.840.1.113883.17.3.5.37	3515025	
		Finger-5th (Smallest)-Right	2.16.840.1.113883.17.3.5.37	3515027	
		Foot-Dorsal-Left	2.16.840.1.113883.17.3.5.37	3515029	
		Foot-Dorsal-Right	2.16.840.1.113883.17.3.5.37	3515031	
		Foot-Plantar-Left	2.16.840.1.113883.17.3.5.37	3515033	
		Foot-Plantar-Right	2.16.840.1.113883.17.3.5.37	3515035	
		Forearm-Left	2.16.840.1.113883.17.3.5.37	3515037	

			Forearm-Right	2.16.840.1.113883.17.3.5.37	3515039	
			Hand-Dorsal-Left	2.16.840.1.113883.17.3.5.37	3515041	
			Hand-Dorsal-Right	2.16.840.1.113883.17.3.5.37	3515043	
			Hand-Palm-Left	2.16.840.1.113883.17.3.5.37	3515045	
			Hand-Palm-Right	2.16.840.1.113883.17.3.5.37	3515047	
			Hip-Left	2.16.840.1.113883.17.3.5.37	3515049	
			Hip-Right	2.16.840.1.113883.17.3.5.37	3515051	
			Knee-Left	2.16.840.1.113883.17.3.5.37	3515053	
			Knee-Right	2.16.840.1.113883.17.3.5.37	3515055	
			Leg-Lower-Left	2.16.840.1.113883.17.3.5.37	3515057	
			Leg-Lower-Right	2.16.840.1.113883.17.3.5.37	3515059	
			Leg-Upper-Left	2.16.840.1.113883.17.3.5.37	3515061	
			Leg-Upper-Right	2.16.840.1.113883.17.3.5.37	3515063	
			Shoulder-Left	2.16.840.1.113883.17.3.5.37	3515065	
			Shoulder-Right	2.16.840.1.113883.17.3.5.37	3515067	
			Thumb-Left	2.16.840.1.113883.17.3.5.37	3515069	
			Thumb-Right	2.16.840.1.113883.17.3.5.37	3515071	
			Toe-1st (Big)-Left	2.16.840.1.113883.17.3.5.37	3515073	
			Toe-1st (Big)-Right	2.16.840.1.113883.17.3.5.37	3515075	
			Toe-2nd-Left	2.16.840.1.113883.17.3.5.37	3515077	
			Toe-2nd-Right	2.16.840.1.113883.17.3.5.37	3515079	
			Toe-3rd-Left	2.16.840.1.113883.17.3.5.37	3515081	
			Toe-3rd-Right	2.16.840.1.113883.17.3.5.37	3515083	
			Toe-4th-Left	2.16.840.1.113883.17.3.5.37	3515085	
			Toe-4th-Right	2.16.840.1.113883.17.3.5.37	3515087	
			Toe-5th (Smallest)-Left	2.16.840.1.113883.17.3.5.37	3515089	
			Toe-5th (Smallest)-Right	2.16.840.1.113883.17.3.5.37	3515091	
			Wrist-Left	2.16.840.1.113883.17.3.5.37	3515093	
			Wrist-Right	2.16.840.1.113883.17.3.5.37	3515095	
assessment	EExam.18	67534-8	Eye Assessment	2.16.840.1.113883.17.3.5.38		

		1-mm	2.16.840.1.113883.17.3.5.38	3518001	LA17275-1
		2-mm	2.16.840.1.113883.17.3.5.38	3518003	LA17276-9
		3-mm	2.16.840.1.113883.17.3.5.38	3518005	LA17277-7
		4-mm	2.16.840.1.113883.17.3.5.38	3518007	LA17278-5
		5-mm	2.16.840.1.113883.17.3.5.38	3518009	LA17279-3
		6-mm	2.16.840.1.113883.17.3.5.38	3518011	LA17280-1
		7-mm	2.16.840.1.113883.17.3.5.38	3518013	LA17281-9
		8-mm or >	2.16.840.1.113883.17.3.5.38	3518015	LA18258-6
		Blind	2.16.840.1.113883.17.3.5.38	3518017	LA17710-7
		Cataract Present	2.16.840.1.113883.17.3.5.38	3518019	LA18250-3
		Clouded	2.16.840.1.113883.17.3.5.38	3518021	LA17282-7
		Deformity	2.16.840.1.113883.17.3.5.38	3518023	LA18225-5
		Dysconjugate Gaze	2.16.840.1.113883.17.3.5.38	3518025	LA18251-1
		Foreign Body	2.16.840.1.113883.17.3.5.38	3518027	LA18226-3
		Glaucoma Present	2.16.840.1.113883.17.3.5.38	3518029	
		Hyphema	2.16.840.1.113883.17.3.5.38	3518031	LA17283-5
		Jaundiced Sclera	2.16.840.1.113883.17.3.5.38	3518033	LA18253-7
		Missing	2.16.840.1.113883.17.3.5.38	3518035	LA14698-7
		Non-Reactive	2.16.840.1.113883.17.3.5.38	3518037	LA15256-3
		Not Done	2.16.840.1.113883.17.3.5.38	3518039	LA6630-3
		Non-Reactive Prosthetic	2.16.840.1.113883.17.3.5.38	3518041	LA18254-5
		Nystagmus Noted	2.16.840.1.113883.17.3.5.38	3518043	LA18255-2
		Open Globe	2.16.840.1.113883.17.3.5.38	3518045	LA17284-3
		PERRL	2.16.840.1.113883.17.3.5.38	3518047	LA18256-0
		Pupil-Irregular/Teardrop	2.16.840.1.113883.17.3.5.38	3518049	LA17285-0
		Reactive	2.16.840.1.113883.17.3.5.38	3518051	LA15255-5
		Sluggish	2.16.840.1.113883.17.3.5.38	3518053	LA18257-8
assessment	EExam.17	Eye Assessment Finding Location	2.16.840.1.113883.17.3.5.39		
		Bilateral	2.16.840.1.113883.17.3.5.39	3517001	

			Left	2.16.840.1.113883.17.3.5.39	3517003	
			Right	2.16.840.1.113883.17.3.5.39	3517005	
Injury Incident	EInjury.04	67496-0	Vehicular, Pedestrian, or Other Injury Risk Factor	2.16.840.1.113883.17.3.5.4		
			Auto v. Pedestrian/Bicyclist Thrown, Run Over, or > 20 MPH Impact	2.16.840.1.113883.17.3.5.4	2904001	LA17360-1
			Fall Adults: > 20 ft. (one story is equal to 10 ft.)	2.16.840.1.113883.17.3.5.4	2904003	LA17348-6
			Fall Children: > 10 ft. or 2-3 times the height of the child	2.16.840.1.113883.17.3.5.4	2904005	LA17349-4
			Crash Death in Same Passenger Compartment	2.16.840.1.113883.17.3.5.4	2904007	LA17352-8
			Crash Ejection (partial or complete) from vehicle	2.16.840.1.113883.17.3.5.4	2904009	LA17353-6
			Crash Intrusion: > 12 in. occupant site; > 18 in. any site	2.16.840.1.113883.17.3.5.4	2904011	LA17357-7
			Crash Vehicle Telemetry Data (AACN) Consistent with High Risk of Injury	2.16.840.1.113883.17.3.5.4	2904013	LA18124-0
			Motorcycle Crash > 20 MPH	2.16.840.1.113883.17.3.5.4	2904015	LA17350-2
assessment	EExam.20	67536-3	Neurological Assessment	2.16.840.1.113883.17.3.5.40		
			Aphagia	2.16.840.1.113883.17.3.5.40	3520001	LA18261-0
			Aphasia	2.16.840.1.113883.17.3.5.40	3520003	LA18262-8
			Cerebellar Function-Abnormal	2.16.840.1.113883.17.3.5.40	3520005	LA17291-8
			Cerebellar Function-Normal	2.16.840.1.113883.17.3.5.40	3520007	LA17292-6
			Decerebrate Posturing	2.16.840.1.113883.17.3.5.40	3520009	LA18263-6
			Decorticate Posturing	2.16.840.1.113883.17.3.5.40	3520011	LA18264-4
			Gait-Abnormal	2.16.840.1.113883.17.3.5.40	3520013	LA17293-4
			Gait-Normal	2.16.840.1.113883.17.3.5.40	3520015	LA17294-2
			Hemiplegia-Left	2.16.840.1.113883.17.3.5.40	3520017	LA17295-9

			Hemiplegia-Right	2.16.840.1.113883.17.3.5.40	3520019	LA17296-7
			Normal Baseline for Patient	2.16.840.1.113883.17.3.5.40	3520021	LA17286-8
			Not Done	2.16.840.1.113883.17.3.5.40	3520023	LA6630-3
			Seizures	2.16.840.1.113883.17.3.5.40	3520025	LA15899-0
			Speech Normal	2.16.840.1.113883.17.3.5.40	3520027	LA17297-5
			Speech Slurring	2.16.840.1.113883.17.3.5.40	3520029	LA17298-3
			Strength-Asymmetric	2.16.840.1.113883.17.3.5.40	3520031	LA18265-1
			Strength-Normal	2.16.840.1.113883.17.3.5.40	3520033	LA17299-1
			Strength-Symmetric	2.16.840.1.113883.17.3.5.40	3520035	LA17300-7
			Tremors	2.16.840.1.113883.17.3.5.40	3520037	LA17301-5
			Weakness-Facial Droop-Left	2.16.840.1.113883.17.3.5.40	3520039	LA17302-3
			Weakness-Facial Droop-Right	2.16.840.1.113883.17.3.5.40	3520041	LA17303-1
			Weakness-Left Sided	2.16.840.1.113883.17.3.5.40	3520043	LA17304-9
			Weakness-Right Sided	2.16.840.1.113883.17.3.5.40	3520045	LA17305-6
assessment	EVitals.31	67523-1	Reperfusion Checklist	2.16.840.1.113883.17.3.5.41		
			Definite Contraindications to Thrombolytic Use	2.16.840.1.113883.17.3.5.41	3331001	LA17114-2
			No Contraindications to Thrombolytic Use	2.16.840.1.113883.17.3.5.41	3331003	LA17116-7
			Possible Contraindications to Thrombolytic Use	2.16.840.1.113883.17.3.5.41	3331005	LA17115-9
assessment	EHistory.18	67471-3	Pregnancy	2.16.840.1.113883.17.3.5.42		
			No	2.16.840.1.113883.17.3.5.42	3118001	LA32-8
			Possible, Unconfirmed	2.16.840.1.113883.17.3.5.42	3118003	LA17332-0
			Yes, Confirmed 12 to 20 Weeks	2.16.840.1.113883.17.3.5.42	3118005	LA17331-2
			Yes, Confirmed Greater Than 20 Weeks	2.16.840.1.113883.17.3.5.42	3118007	LA17330-4
			Yes, Confirmed Less Than 12 Weeks	2.16.840.1.113883.17.3.5.42	3118009	LA17329-6
medications administered	EMedications.04		Medication Administered Route	2.16.840.1.113883.17.3.5.43		

			Endotracheal tube	2.16.840.1.113883.17.3.5.43	3704001	
			Gastrostomy tube	2.16.840.1.113883.17.3.5.43	3704003	
			Inhalation	2.16.840.1.113883.17.3.5.43	3704005	
			Intraarterial	2.16.840.1.113883.17.3.5.43	3704007	
			Intramuscular	2.16.840.1.113883.17.3.5.43	3704009	
			Intranasal	2.16.840.1.113883.17.3.5.43	3704011	
			Intraocular	2.16.840.1.113883.17.3.5.43	3704013	
			Intraosseous	2.16.840.1.113883.17.3.5.43	3704015	
			Intravenous	2.16.840.1.113883.17.3.5.43	3704017	
			Nasal	2.16.840.1.113883.17.3.5.43	3704019	
			Nasal prongs	2.16.840.1.113883.17.3.5.43	3704021	
			Nasogastric	2.16.840.1.113883.17.3.5.43	3704023	
			Nasotracheal Tube	2.16.840.1.113883.17.3.5.43	3704025	
			Ophthalmic	2.16.840.1.113883.17.3.5.43	3704027	
			Oral	2.16.840.1.113883.17.3.5.43	3704029	
			Other/miscellaneous	2.16.840.1.113883.17.3.5.43	3704031	
			Otic	2.16.840.1.113883.17.3.5.43	3704033	
			Re-breather mask	2.16.840.1.113883.17.3.5.43	3704035	
			Rectal	2.16.840.1.113883.17.3.5.43	3704037	
			Subcutaneous	2.16.840.1.113883.17.3.5.43	3704039	
			Sublingual	2.16.840.1.113883.17.3.5.43	3704041	
			Topical	2.16.840.1.113883.17.3.5.43	3704043	
			Tracheostomy	2.16.840.1.113883.17.3.5.43	3704045	
			Transdermal	2.16.840.1.113883.17.3.5.43	3704047	
			Urethral	2.16.840.1.113883.17.3.5.43	3704049	
			Ventimask	2.16.840.1.113883.17.3.5.43	3704051	
			Wound	2.16.840.1.113883.17.3.5.43	3704053	
medications administered	EMedications.08	67541-3	Medication Complication	2.16.840.1.113883.17.3.5.45		
			Altered Mental Status	2.16.840.1.113883.17.3.5.45	3708001	LA17392-4

		Apnea	2.16.840.1.113883.17.3.5.45	3708003	LA17393-2
		Bleeding	2.16.840.1.113883.17.3.5.45	3708005	LA7418-2
		Bradycardia	2.16.840.1.113883.17.3.5.45	3708007	LA17394-0
		Bradypnea	2.16.840.1.113883.17.3.5.45	3708009	LA18266-9
		Diarrhea	2.16.840.1.113883.17.3.5.45	3708011	LA15424-7
		Extravasation	2.16.840.1.113883.17.3.5.45	3708013	LA7434-9
		Hypertension	2.16.840.1.113883.17.3.5.45	3708015	LA7444-8
		Hyperthermia	2.16.840.1.113883.17.3.5.45	3708017	LA9540-1
		Hypotension	2.16.840.1.113883.17.3.5.45	3708019	LA7443-0
		Hypothermia	2.16.840.1.113883.17.3.5.45	3708021	LA9541-9
		Hypoxia	2.16.840.1.113883.17.3.5.45	3708023	LA17396-5
		Injury	2.16.840.1.113883.17.3.5.45	3708025	LA17713-1
		Itching/Urticaria	2.16.840.1.113883.17.3.5.45	3708027	LA17397-3
		Nausea	2.16.840.1.113883.17.3.5.45	3708029	LA15098-9
		None	2.16.840.1.113883.17.3.5.45	3708031	LA137-2
		Other (Not Listed)	2.16.840.1.113883.17.3.5.45	3708033	LA17059-9
		Respiratory Distress	2.16.840.1.113883.17.3.5.45	3708035	LA9548-4
		Tachycardia	2.16.840.1.113883.17.3.5.45	3708037	LA17714-9
		Tachypnea	2.16.840.1.113883.17.3.5.45	3708039	LA18267-7
		Vomiting	2.16.840.1.113883.17.3.5.45	3708041	LA15099-7
medications administered	EMedications.10	EMS or Healthcare Professional Type Administering	2.16.840.1.113883.17.3.5.46		
procedures performed	EProcedures.10	EMS or Healthcare Professional Type Performing the	2.16.840.1.113883.17.3.5.46		
		2009 Advanced Emergency Medical Technician (AEMT)	2.16.840.1.113883.17.3.5.46	9905001	
		2009 Emergency Medical Responder (EMR)	2.16.840.1.113883.17.3.5.46	9905003	

			2009 Emergency Medical Technician (EMT)	2.16.840.1.113883.17.3.5.46	9905005	
			2009 Paramedic	2.16.840.1.113883.17.3.5.46	9905007	
			EMT-Basic	2.16.840.1.113883.17.3.5.46	9905009	
			EMT-Intermediate	2.16.840.1.113883.17.3.5.46	9905011	
			EMT-Paramedic (Based on pre-2009 Curriculum)	2.16.840.1.113883.17.3.5.46	9905013	
			First Responder	2.16.840.1.113883.17.3.5.46	9905015	
			Nurse	2.16.840.1.113883.17.3.5.46	9905017	
			Other Healthcare Professional	2.16.840.1.113883.17.3.5.46	9905019	
			Other Non-Healthcare Professional	2.16.840.1.113883.17.3.5.46	9905021	
			Patient/Lay Person	2.16.840.1.113883.17.3.5.46	9905023	
			Physician	2.16.840.1.113883.17.3.5.46	9905025	
			Respiratory Therapist	2.16.840.1.113883.17.3.5.46	9905027	
			Student	2.16.840.1.113883.17.3.5.46	9905029	
			Critical Care Paramedic	2.16.840.1.113883.17.3.5.46	9905031	
			Community Paramedicine	2.16.840.1.113883.17.3.5.46	9905033	
medications administered	EMedications.11		Medication Authorization	2.16.840.1.113883.17.3.5.47		
			On-Line (Remote Verbal Order)	2.16.840.1.113883.17.3.5.47	9918001	
			On-Scene	2.16.840.1.113883.17.3.5.47	9918003	
			Protocol (Standing Order)	2.16.840.1.113883.17.3.5.47	9918005	
			Written Orders (Patient Specific)	2.16.840.1.113883.17.3.5.47	9918007	
Dispatch	EDispatch.02	67488-7	EMD Performed	2.16.840.1.113883.17.3.5.48		
			No	2.16.840.1.113883.17.3.5.48	2302001	LA32-8
			Yes, With Pre-Arrival Instructions	2.16.840.1.113883.17.3.5.48	2302003	LA17151-4
			Yes, Without Pre-Arrival	2.16.840.1.113883.17.3.5.48	2302005	LA17152-2

			Instructions			
			Yes, Unknown if Pre-Arrival Instructions Given	2.16.840.1.113883.17.3.5.48	2302007	LA17153-0
Dispatch	EDispatch.01	67570-2	Complaint Reported by Dispatch	2.16.840.1.113883.17.3.5.49		
			Abdominal Pain/Problems	2.16.840.1.113883.17.3.5.49	2301001	LA15468-4
			Allergic Reaction/Stings	2.16.840.1.113883.17.3.5.49	2301003	LA17117-5
			Animal Bite	2.16.840.1.113883.17.3.5.49	2301005	LA17118-3
			Assault	2.16.840.1.113883.17.3.5.49	2301007	LA17119-1
			Automated Crash Notification	2.16.840.1.113883.17.3.5.49	2301009	LA17120-9
			Back Pain (Non-Traumatic)	2.16.840.1.113883.17.3.5.49	2301011	LA17121-7
			Breathing Problem	2.16.840.1.113883.17.3.5.49	2301013	LA17122-5
			Burns/Explosion	2.16.840.1.113883.17.3.5.49	2301015	LA17123-3
			Carbon Monoxide/Hazmat/Inhalation/CBRN	2.16.840.1.113883.17.3.5.49	2301017	LA17124-1
			Cardiac Arrest/Death	2.16.840.1.113883.17.3.5.49	2301019	LA17125-8
			Chest Pain (Non-Traumatic)	2.16.840.1.113883.17.3.5.49	2301021	LA17126-6
			Choking	2.16.840.1.113883.17.3.5.49	2301023	LA17127-4
			Convulsions/Seizure	2.16.840.1.113883.17.3.5.49	2301025	LA17128-2
			Diabetic Problem	2.16.840.1.113883.17.3.5.49	2301027	LA17129-0
			Electrocution/Lightning	2.16.840.1.113883.17.3.5.49	2301029	LA17131-6
			Eye Problem/Injury	2.16.840.1.113883.17.3.5.49	2301031	LA17132-4
			Falls	2.16.840.1.113883.17.3.5.49	2301033	LA17133-2
			Fire	2.16.840.1.113883.17.3.5.49	2301035	LA18093-7
			Headache	2.16.840.1.113883.17.3.5.49	2301037	LA15903-0
			Healthcare Professional/Admission	2.16.840.1.113883.17.3.5.49	2301039	LA17134-0
			Heart Problems/AICD	2.16.840.1.113883.17.3.5.49	2301041	LA17135-7
			Heat/Cold Exposure	2.16.840.1.113883.17.3.5.49	2301043	LA17136-5
			Hemorrhage/Laceration	2.16.840.1.113883.17.3.5.49	2301045	LA17137-3

			Industrial Accident/Inaccessible Incident/Other Entrapments (Non-Vehicle)	2.16.840.1.113883.17.3.5.49	2301047	LA17138-1
			Medical Alarm	2.16.840.1.113883.17.3.5.49	2301049	LA18210-7
			No Other Appropriate Choice	2.16.840.1.113883.17.3.5.49	2301051	LA18209-9
			Overdose/Poisoning/Ingestion	2.16.840.1.113883.17.3.5.49	2301053	LA17140-7
			Pandemic/Epidemic/Outbreak	2.16.840.1.113883.17.3.5.49	2301055	LA17141-5
			Pregnancy/Childbirth/Miscarriage	2.16.840.1.113883.17.3.5.49	2301057	LA17142-3
			Psychiatric Problem/Abnormal Behavior/Suicide Attempt	2.16.840.1.113883.17.3.5.49	2301059	LA17143-1
			Sick Person	2.16.840.1.113883.17.3.5.49	2301061	LA17144-9
			Stab/Gunshot Wound/Penetrating Trauma	2.16.840.1.113883.17.3.5.49	2301063	LA17145-6
			Standby	2.16.840.1.113883.17.3.5.49	2301065	LA17150-6
			Stroke/CVA	2.16.840.1.113883.17.3.5.49	2301067	LA9553-4
			Traffic/Transportation Incident	2.16.840.1.113883.17.3.5.49	2301069	LA17146-4
			Transfer/Interfacility/Palliative Care	2.16.840.1.113883.17.3.5.49	2301071	LA17147-2
			Traumatic Injury	2.16.840.1.113883.17.3.5.49	2301073	LA9555-9
			Well Person Check	2.16.840.1.113883.17.3.5.49	2301075	LA18211-5
			Unconscious/Fainting/Near-Fainting	2.16.840.1.113883.17.3.5.49	2301077	LA17148-0
			Unknown Problem/Person Down	2.16.840.1.113883.17.3.5.49	2301079	LA17149-8
Injury Incident	EInjury.05	67497-8	Main Area of the Vehicle impacted by the collision	2.16.840.1.113883.17.3.5.5		
				1 2.16.840.1.113883.17.3.5.5		LA6112-2
				2 2.16.840.1.113883.17.3.5.5		LA6113-0
				3 2.16.840.1.113883.17.3.5.5		LA6114-8

4	2.16.840.1.113883.17.3.5.5	LA6115-5
5	2.16.840.1.113883.17.3.5.5	LA10137-0
6	2.16.840.1.113883.17.3.5.5	LA10138-8
7	2.16.840.1.113883.17.3.5.5	LA10139-6
8	2.16.840.1.113883.17.3.5.5	LA10140-4
9	2.16.840.1.113883.17.3.5.5	LA10141-2
10	2.16.840.1.113883.17.3.5.5	LA13942-0
11	2.16.840.1.113883.17.3.5.5	LA14557-5
12	2.16.840.1.113883.17.3.5.5	LA14558-3

Response	EResponse.08	67480-4	Type of Dispatch Delay	2.16.840.1.113883.17.3.5.50		
			Caller (Uncooperative)	2.16.840.1.113883.17.3.5.50	2208001	LA17579-6
			Diversion/Failure (of previous unit)	2.16.840.1.113883.17.3.5.50	2208003	LA17183-7
			High Call Volume	2.16.840.1.113883.17.3.5.50	2208005	LA17580-4
			Language Barrier	2.16.840.1.113883.17.3.5.50	2208007	LA7540-3
			Location (Inability to Obtain)	2.16.840.1.113883.17.3.5.50	2208009	LA17581-2
			No EMS Vehicles (Units) Available	2.16.840.1.113883.17.3.5.50	2208011	LA17582-0
			None/No Delay	2.16.840.1.113883.17.3.5.50	2208013	LA18081-2
			Other (Not Listed)	2.16.840.1.113883.17.3.5.50	2208015	LA17059-9
			Technical Failure (Computer, Phone etc.)	2.16.840.1.113883.17.3.5.50	2208017	LA17584-6
Response	EResponse.09	67557-9	Type of Response Delay	2.16.840.1.113883.17.3.5.51		
			Crowd	2.16.840.1.113883.17.3.5.51	2209001	LA17585-3
			Directions/Unable to Locate	2.16.840.1.113883.17.3.5.51	2209003	LA17586-1
			Distance	2.16.840.1.113883.17.3.5.51	2209005	LA17587-9
			Diversion (Different Incident)	2.16.840.1.113883.17.3.5.51	2209007	LA18301-4
			HazMat	2.16.840.1.113883.17.3.5.51	2209009	LA17588-7
			None/No Delay	2.16.840.1.113883.17.3.5.51	2209011	

			Other (Not Listed)	2.16.840.1.113883.17.3.5.51	2209013	LA18081-2
			Other (Not Listed)	2.16.840.1.113883.17.3.5.51	2209013	LA17059-9
			Rendezvous Transport Unavailable	2.16.840.1.113883.17.3.5.51	2209015	LA18270-1
			Route Obstruction (e.g., train)	2.16.840.1.113883.17.3.5.51	2209017	LA18271-9
			Scene Safety (Not Secure for EMS)	2.16.840.1.113883.17.3.5.51	2209019	LA17583-8
			Staff Delay	2.16.840.1.113883.17.3.5.51	2209021	LA17590-3
			Traffic	2.16.840.1.113883.17.3.5.51	2209023	LA17591-1
			Vehicle Crash Involving this Unit	2.16.840.1.113883.17.3.5.51	2209025	LA17592-9
			Vehicle Failure of this Unit	2.16.840.1.113883.17.3.5.51	2209027	LA17593-7
			Weather	2.16.840.1.113883.17.3.5.51	2209029	LA17594-5
Response	EResponse. 10	67558-7	Type of Scene Delay	2.16.840.1.113883.17.3.5.52		
			Awaiting Air Unit	2.16.840.1.113883.17.3.5.52	2210001	LA18272-7
			Awaiting Ground Unit	2.16.840.1.113883.17.3.5.52	2210003	LA18273-5
			Crowd	2.16.840.1.113883.17.3.5.52	2210005	LA17585-3
			Directions/Unable to Locate	2.16.840.1.113883.17.3.5.52	2210007	LA17586-1
			Distance	2.16.840.1.113883.17.3.5.52	2210009	LA17587-9
			Extrication	2.16.840.1.113883.17.3.5.52	2210011	LA17595-2
			HazMat	2.16.840.1.113883.17.3.5.52	2210013	LA17588-7
			Language Barrier	2.16.840.1.113883.17.3.5.52	2210015	LA7540-3
			None/No Delay	2.16.840.1.113883.17.3.5.52	2210017	LA18081-2
			Other (Not Listed)	2.16.840.1.113883.17.3.5.52	2210019	LA17059-9
			Patient Access	2.16.840.1.113883.17.3.5.52	2210021	LA18275-0
			Safety-Crew/Staging	2.16.840.1.113883.17.3.5.52	2210023	LA17596-0
			Safety-Patient	2.16.840.1.113883.17.3.5.52	2210025	LA17597-8
			Staff Delay	2.16.840.1.113883.17.3.5.52	2210027	LA17590-3
			Traffic	2.16.840.1.113883.17.3.5.52	2210029	LA17591-1
			Triage/Multiple Patients	2.16.840.1.113883.17.3.5.52	2210031	LA18276-8

			Vehicle Crash Involving this Unit	2.16.840.1.113883.17.3.5.52	2210033	LA17592-9
			Vehicle Failure of this Unit	2.16.840.1.113883.17.3.5.52	2210035	LA17593-7
			Weather	2.16.840.1.113883.17.3.5.52	2210037	LA17594-5
Response	EResponse. 11	67559-5	Type of Transport Delay	2.16.840.1.113883.17.3.5.53		
			Crowd	2.16.840.1.113883.17.3.5.53	2211001	LA17585-3
			Directions/Unable to Locate	2.16.840.1.113883.17.3.5.53	2211003	LA17586-1
			Distance	2.16.840.1.113883.17.3.5.53	2211005	LA17587-9
			Diversion	2.16.840.1.113883.17.3.5.53	2211007	LA18301-4
			HazMat	2.16.840.1.113883.17.3.5.53	2211009	LA17588-7
			None/No Delay	2.16.840.1.113883.17.3.5.53	2211011	LA18081-2
			Other (Not Listed)	2.16.840.1.113883.17.3.5.53	2211013	LA17059-9
			Rendezvous Transport Unavailable	2.16.840.1.113883.17.3.5.53	2211015	LA18270-1
			Route Obstruction (e.g., Train)	2.16.840.1.113883.17.3.5.53	2211017	LA18271-9
			Safety	2.16.840.1.113883.17.3.5.53	2211019	LA17589-5
			Staff Delay	2.16.840.1.113883.17.3.5.53	2211021	LA17590-3
			Traffic	2.16.840.1.113883.17.3.5.53	2211023	LA17591-1
			Vehicle Crash Involving this Unit	2.16.840.1.113883.17.3.5.53	2211025	LA17592-9
			Vehicle Failure of this Unit	2.16.840.1.113883.17.3.5.53	2211027	LA17593-7
			Weather	2.16.840.1.113883.17.3.5.53	2211029	LA17594-5
Response	EResponse. 12	67560-3	Type of Turn-Around Delay	2.16.840.1.113883.17.3.5.54		
			Clean-up	2.16.840.1.113883.17.3.5.54	2212001	LA17598-6
			Decontamination	2.16.840.1.113883.17.3.5.54	2212003	LA17599-4
			Distance	2.16.840.1.113883.17.3.5.54	2212005	
			Documentation	2.16.840.1.113883.17.3.5.54	2212007	LA17600-0
			ED Overcrowding / Transfer of Care	2.16.840.1.113883.17.3.5.54	2212009	LA17601-8

			Equipment Failure	2.16.840.1.113883.17.3.5.54	2212011	LA7497-6
			Equipment/Supply Replenishment	2.16.840.1.113883.17.3.5.54	2212013	LA17602-6
			None/No Delay	2.16.840.1.113883.17.3.5.54	2212015	LA18081-2
			Other (Not Listed)	2.16.840.1.113883.17.3.5.54	2212017	LA17059-9
			Rendezvous Transport Unavailable	2.16.840.1.113883.17.3.5.54	2212019	LA18270-1
			Route Obstruction (e.g. Train)	2.16.840.1.113883.17.3.5.54	2212021	LA18271-9
			Staff Delay	2.16.840.1.113883.17.3.5.54	2212023	LA17590-3
			Traffic	2.16.840.1.113883.17.3.5.54	2212025	LA17603-4
			Vehicle Crash of this Unit	2.16.840.1.113883.17.3.5.54	2212027	LA17592-9
			Vehicle Failure of this Unit	2.16.840.1.113883.17.3.5.54	2212029	LA17593-7
			Weather	2.16.840.1.113883.17.3.5.54	2212031	LA17594-5
Response	EResponse. 23	67482-0	Response Mode to Scene	2.16.840.1.113883.17.3.5.55		
			Emergent (Immediate Response)	2.16.840.1.113883.17.3.5.55	2223001	
			Emergent Downgraded to Non-Emergent	2.16.840.1.113883.17.3.5.55	2223003	
			Non-Emergent	2.16.840.1.113883.17.3.5.55	2223005	
			Non-Emergent Upgraded to Emergent	2.16.840.1.113883.17.3.5.55	2223007	
procedures performed	EProcedures.13		IV Site Location	2.16.840.1.113883.17.3.5.56		
			Antecubital-Left	2.16.840.1.113883.17.3.5.56	3913001	
			Antecubital-Right	2.16.840.1.113883.17.3.5.56	3913003	
			External Jugular-Left	2.16.840.1.113883.17.3.5.56	3913005	
			External Jugular-Right	2.16.840.1.113883.17.3.5.56	3913007	
			Femoral-Left IV	2.16.840.1.113883.17.3.5.56	3913009	
			Femoral-Right IV	2.16.840.1.113883.17.3.5.56	3913011	
			Foot-Right	2.16.840.1.113883.17.3.5.56	3913013	

		Foot-Left	2.16.840.1.113883.17.3.5.56	3913015	
		Forearm-Left	2.16.840.1.113883.17.3.5.56	3913017	
		Forearm-Right	2.16.840.1.113883.17.3.5.56	3913019	
		Hand-Left	2.16.840.1.113883.17.3.5.56	3913021	
		Hand-Right	2.16.840.1.113883.17.3.5.56	3913023	
		Internal Jugular-Left	2.16.840.1.113883.17.3.5.56	3913025	
		Internal Jugular-Right	2.16.840.1.113883.17.3.5.56	3913027	
		IO-Iliac Crest-Left	2.16.840.1.113883.17.3.5.56	3913029	
		IO-Iliac Crest-Right	2.16.840.1.113883.17.3.5.56	3913031	
		IO-Femoral-Left Distal	2.16.840.1.113883.17.3.5.56	3913033	
		IO-Femoral-Right Distal IO	2.16.840.1.113883.17.3.5.56	3913035	
		IO-Humeral-Left	2.16.840.1.113883.17.3.5.56	3913037	
		IO-Humeral-Right	2.16.840.1.113883.17.3.5.56	3913039	
		IO-Tibia-Left Distal	2.16.840.1.113883.17.3.5.56	3913041	
		IO-Sternum	2.16.840.1.113883.17.3.5.56	3913043	
		IO-Tibia-Right Distal	2.16.840.1.113883.17.3.5.56	3913045	
		IO-Tibia-Left Proximal	2.16.840.1.113883.17.3.5.56	3913047	
		IO-Tibia-Right Proximal	2.16.840.1.113883.17.3.5.56	3913049	
		Lower Extremity-Left	2.16.840.1.113883.17.3.5.56	3913051	
		Lower Extremity-Right	2.16.840.1.113883.17.3.5.56	3913053	
		Other Peripheral (Not Listed)	2.16.840.1.113883.17.3.5.56	3913055	
		Other Central (PICC, Portacath, Not Listed)	2.16.840.1.113883.17.3.5.56	3913057	
		Scalp	2.16.840.1.113883.17.3.5.56	3913059	
		Subclavian-Left	2.16.840.1.113883.17.3.5.56	3913061	
		Subclavian-Right	2.16.840.1.113883.17.3.5.56	3913063	
		Umbilical	2.16.840.1.113883.17.3.5.56	3913065	
		Venous Cutdown-Left Lower Extremity	2.16.840.1.113883.17.3.5.56	3913067	
		Venous Cutdown-Right Lower	2.16.840.1.113883.17.3.5.56	3913069	

			Extremity			
procedures performed	EArrest.03	67504-1	Resuscitation Attempted By EMS	2.16.840.1.113883.17.3.5.90		
			Attempted defibrillation	2.16.840.1.113883.17.3.5.90	3003001	LA17060-7
			Attempted ventilation	2.16.840.1.113883.17.3.5.90	3003003	LA17061-5
			Initiated chest compressions	2.16.840.1.113883.17.3.5.90	3003005	LA17062-3
			Not attempted-considered futile	2.16.840.1.113883.17.3.5.90	3003007	LA17063-1
			Not attempted-DNR orders	2.16.840.1.113883.17.3.5.90	3003009	LA17064-9
			Not attempted-signs of circulation	2.16.840.1.113883.17.3.5.90	3003011	LA17065-6
procedures performed	EArrest.09		Type of CPR Provided	2.16.840.1.113883.17.3.5.57		
			Compressions-Continuous	2.16.840.1.113883.17.3.5.57	3009001	
			Compressions-External Band Type Device	2.16.840.1.113883.17.3.5.57	3009003	
			Compressions-External Plunger Type Device	2.16.840.1.113883.17.3.5.57	3009005	
			Compressions-External Thumper Type Device	2.16.840.1.113883.17.3.5.57	3009007	
			Compressions-Intermittent with Ventilation	2.16.840.1.113883.17.3.5.57	3009009	
			Compressions-Other Device (Not Listed)	2.16.840.1.113883.17.3.5.57	3009011	
			Ventilation-Bag Valve Mask	2.16.840.1.113883.17.3.5.57	3009013	
			Ventilation-Impedence Threshold Device	2.16.840.1.113883.17.3.5.57	3009015	
			Ventilation-Mouth to Mouth	2.16.840.1.113883.17.3.5.57	3009017	
			Ventilation-Pocket Mask	2.16.840.1.113883.17.3.5.57	3009019	
procedures performed	EProcedure s.07	67545-4	Procedure Complication	2.16.840.1.113883.17.3.5.58		
			Altered Mental Status	2.16.840.1.113883.17.3.5.58	3907001	LA17392-4

			Apnea	2.16.840.1.113883.17.3.5.58	3907003	LA17393-2
			Bleeding	2.16.840.1.113883.17.3.5.58	3907005	LA7418-2
			Bradypnea	2.16.840.1.113883.17.3.5.58	3907007	LA17394-0
			Diarrhea	2.16.840.1.113883.17.3.5.58	3907009	LA15424-7
			Esophageal Intubation- immediately	2.16.840.1.113883.17.3.5.58	3907011	LA17489-8
			Esophageal Intubation-other	2.16.840.1.113883.17.3.5.58	3907013	LA17490-6
			Extravasation	2.16.840.1.113883.17.3.5.58	3907015	LA7434-9
			Hypertension	2.16.840.1.113883.17.3.5.58	3907017	LA7444-8
			Hyperthermia	2.16.840.1.113883.17.3.5.58	3907019	LA9540-1
			Hypotension	2.16.840.1.113883.17.3.5.58	3907021	LA7443-0
			Hypothermia	2.16.840.1.113883.17.3.5.58	3907023	LA9541-9
			Hypoxia	2.16.840.1.113883.17.3.5.58	3907025	LA17396-5
			Injury	2.16.840.1.113883.17.3.5.58	3907027	LA17713-1
			Itching/Urticaria	2.16.840.1.113883.17.3.5.58	3907029	LA17397-3
			Nausea	2.16.840.1.113883.17.3.5.58	3907031	LA15098-9
			None	2.16.840.1.113883.17.3.5.58	3907033	LA137-2
			Other (Not Listed)	2.16.840.1.113883.17.3.5.58	3907035	LA17059-9
			Portacath	2.16.840.1.113883.17.3.5.58	3907037	LA18268-5
			Respiratory Distress	2.16.840.1.113883.17.3.5.58	3907039	LA9548-4
			Tachycardia	2.16.840.1.113883.17.3.5.58	3907041	LA17714-9
			Tachypnea	2.16.840.1.113883.17.3.5.58	3907043	LA18267-7
			Vomiting	2.16.840.1.113883.17.3.5.58	3907045	LA15099-7
Injury Incident	EInjury.06	67498-6	Location of Patient in Vehicle	2.16.840.1.113883.17.3.5.6		
			Front Seat-Left Side (or motorcycle driver)	2.16.840.1.113883.17.3.5.6	2906001	LA17361-9
			Front Seat-Middle	2.16.840.1.113883.17.3.5.6	2906003	LA17363-5
			Front Seat-Right Side	2.16.840.1.113883.17.3.5.6	2906005	LA17362-7

		Passenger in other enclosed passenger or cargo area (non-trailing unit such as a bus, etc.)	2.16.840.1.113883.17.3.5.6	2906007	LA17371-8
		Passenger in unenclosed passenger or cargo area (non-trailing unit such as a pickup, etc.)	2.16.840.1.113883.17.3.5.6	2906009	LA17372-6
		Riding on Vehicle Exterior (non-trailing unit)	2.16.840.1.113883.17.3.5.6	2906011	LA17374-2
		Second Seat-Left Side (or motorcycle passenger)	2.16.840.1.113883.17.3.5.6	2906013	LA17364-3
		Second Seat-Middle	2.16.840.1.113883.17.3.5.6	2906015	LA17365-0
		Second Seat-Right Side	2.16.840.1.113883.17.3.5.6	2906017	LA17366-8
		Sleeper Section of Cab (truck)	2.16.840.1.113883.17.3.5.6	2906019	LA17370-0
		Third Row-Left Side (or motorcycle passenger)	2.16.840.1.113883.17.3.5.6	2906021	LA17367-6
		Third Row-Middle	2.16.840.1.113883.17.3.5.6	2906023	LA17369-2
		Third Row-Right Side	2.16.840.1.113883.17.3.5.6	2906025	LA17368-4
		Trailing Unit	2.16.840.1.113883.17.3.5.6	2906027	LA17373-4
		Unknown	2.16.840.1.113883.17.3.5.6	2906029	LA4489-6
procedure performed	EAirway.04	Airway Device Placement Confirmed Method(s)	2.16.840.1.113883.17.3.5.60		
		Auscultation	2.16.840.1.113883.17.3.5.60	4004001	
		Bulb/Syringe Aspiration	2.16.840.1.113883.17.3.5.60	4004003	
		Colorimetric ETCO2	2.16.840.1.113883.17.3.5.60	4004005	
		Condensation in Tube	2.16.840.1.113883.17.3.5.60	4004007	
		Digital (Numeric) ETCO2	2.16.840.1.113883.17.3.5.60	4004009	
		Direct Re-Visualization of Tube in Place	2.16.840.1.113883.17.3.5.60	4004011	
		Endotracheal Tube Whistle (BAAM, etc)	2.16.840.1.113883.17.3.5.60	4004013	

			Other (Not Listed)	2.16.840.1.113883.17.3.5.60	4004015	
			Visualization of Vocal Cords	2.16.840.1.113883.17.3.5.60	4004017	
			Waveform ETCO2	2.16.840.1.113883.17.3.5.60	4004019	
procedure performed	EAirway.03		Airway Device Being Confirmed	2.16.840.1.113883.17.3.5.61		
			Cricothyrotomy Tube	2.16.840.1.113883.17.3.5.61	4003001	
			Endotracheal Tube	2.16.840.1.113883.17.3.5.61	4003003	
			Other-Invasive Airway	2.16.840.1.113883.17.3.5.61	4003005	
			SAD-Combitube	2.16.840.1.113883.17.3.5.61	4003007	
			SAD-King	2.16.840.1.113883.17.3.5.61	4003009	
			SAD-LMA	2.16.840.1.113883.17.3.5.61	4003011	
			SAD-Other	2.16.840.1.113883.17.3.5.61	4003013	
			Tracheostomy Tube	2.16.840.1.113883.17.3.5.61	4003015	
procedures performed	EArrest.16	67574-4	Reason CPR/Resuscitation Discontinued	2.16.840.1.113883.17.3.5.62		
			DNR	2.16.840.1.113883.17.3.5.62	3016001	LA17078-9
			Medical Control Order	2.16.840.1.113883.17.3.5.62	3016003	LA17079-7
			Obvious Signs of Death	2.16.840.1.113883.17.3.5.62	3016005	LA17080-5
			Physically Unable to Perform Protocol/Policy Requirements Completed	2.16.840.1.113883.17.3.5.62	3016007	LA18204-0
			Return of Spontaneous Circulation (pulse or BP noted)	2.16.840.1.113883.17.3.5.62	3016009	LA17081-3
				2.16.840.1.113883.17.3.5.62	3016011	LA17082-1
advanced directives	EHistory.05	67516-5	Advance Directives	2.16.840.1.113883.17.3.5.63		
			Family/Guardian request DNR (but no documentation)	2.16.840.1.113883.17.3.5.63	3105001	LA17322-1
			Living Will	2.16.840.1.113883.17.3.5.63	3105003	LA17321-3
			None	2.16.840.1.113883.17.3.5.63	3105005	LA137-2
			Other (Not Listed)	2.16.840.1.113883.17.3.5.63	3105007	LA17059-9

			Other Healthcare Advanced Directive Form	2.16.840.1.113883.17.3.5.63	3105009	LA17320-5
			State EMS DNR or Medical Order Form	2.16.840.1.113883.17.3.5.63	3105011	LA17319-7
Disposition	EDisposition.12	67548-8	Incident/Patient Disposition	2.16.840.1.113883.17.3.5.64		
			Assist, Agency	2.16.840.1.113883.17.3.5.64	4212001	LA18212-3
			Assist, Public	2.16.840.1.113883.17.3.5.64	4212003	LA18213-1
			Assist, Unit	2.16.840.1.113883.17.3.5.64	4212005	LA18214-9
			Cancelled (Prior to Arrival At Scene)	2.16.840.1.113883.17.3.5.64	4212007	LA17155-5
			No Patient Contact (Cancelled on Scene)	2.16.840.1.113883.17.3.5.64	4212009	LA18215-6
			No Patient Found (Canceled on Scene)	2.16.840.1.113883.17.3.5.64	4212011	LA17156-3
			Patient Dead at Scene-No EMS Transport	2.16.840.1.113883.17.3.5.64	4212013	LA17157-1
			Patient Dead at Scene-Transported by EMS	2.16.840.1.113883.17.3.5.64	4212015	LA17158-9
			Patient Evaluated, No Treatment/Transport Required	2.16.840.1.113883.17.3.5.64	4212017	LA17159-7
			Patient Refused Evaluation/Care (With Transport)	2.16.840.1.113883.17.3.5.64	4212019	LA17160-5
			Patient Refused Evaluation/Care and (Without Transport)	2.16.840.1.113883.17.3.5.64	4212021	LA18216-4
			Patient Treated, Released (AMA)	2.16.840.1.113883.17.3.5.64	4212023	LA17161-3
			Patient Treated, Released (per protocol)	2.16.840.1.113883.17.3.5.64	4212025	LA18080-4

			Patient Treated, Transferred Care to Another EMS Professional	2.16.840.1.113883.17.3.5.64	4212027	LA17162-1
			Patient Treated, Transported by EMS	2.16.840.1.113883.17.3.5.64	4212029	LA17154-8
			Patient Treated, Transported by Law Enforcement	2.16.840.1.113883.17.3.5.64	4212031	LA17163-9
			Patient Treated, Transported by Private Vehicle	2.16.840.1.113883.17.3.5.64	4212033	LA17164-7
			Standby-No Services or Support Provided	2.16.840.1.113883.17.3.5.64	4212035	LA17165-4
			Standby-Public Safety, Fire, or EMS Operational Support Provided	2.16.840.1.113883.17.3.5.64	4212037	LA17166-2
			Transport of Body Parts or Organs Only	2.16.840.1.113883.17.3.5.64	4212039	LA17167-0
Disposition	EDispositio n.16	67549-6	EMS Transport Method	2.16.840.1.113883.17.3.5.65		
			Air Medical-Fixed Wing	2.16.840.1.113883.17.3.5.65	4216001	LA17169-6
			Air Medical-Rotor Craft	2.16.840.1.113883.17.3.5.65	4216003	LA17170-4
			Ground-Ambulance	2.16.840.1.113883.17.3.5.65	4216005	LA17168-8
			Ground-ATV or Rescue Vehicle	2.16.840.1.113883.17.3.5.65	4216007	LA17171-2
			Ground-Bariatric	2.16.840.1.113883.17.3.5.65	4216009	LA17172-0
			Ground-Other Not Listed	2.16.840.1.113883.17.3.5.65	4216011	LA17175-3
			Ground-Mass Casualty Bus/Vehicle	2.16.840.1.113883.17.3.5.65	4216013	LA17173-8
			Ground-Wheelchair Van	2.16.840.1.113883.17.3.5.65	4216015	LA17174-6
			Water-Boat	2.16.840.1.113883.17.3.5.65	4216017	LA17176-1
Disposition	EDispositio n.17	67550-4	Transport Mode from Scene	2.16.840.1.113883.17.3.5.66		
			Emergent (Immediate Response)	2.16.840.1.113883.17.3.5.66	4217001	LA17177-9

			Emergent (Immediate Response)	2.16.840.1.113883.17.3.5.66	4217001	LA17177-9
			Emergent Downgraded to Non-Emergent	2.16.840.1.113883.17.3.5.66	4217003	LA17178-7
			Emergent Downgraded to Non-Emergent	2.16.840.1.113883.17.3.5.66	4217003	LA17178-7
			Non-Emergent	2.16.840.1.113883.17.3.5.66	4217005	LA17180-3
			Non-Emergent	2.16.840.1.113883.17.3.5.66	4217005	LA17180-3
			Non-Emergent Upgraded to Emergent	2.16.840.1.113883.17.3.5.66	4217007	LA17179-5
			Non-Emergent Upgraded to Emergent	2.16.840.1.113883.17.3.5.66	4217007	LA17179-5
Disposition	EDisposition.19	67551-2	Condition of Patient at Destination	2.16.840.1.113883.17.3.5.59		
procedures performed	EProcedures.08	67546-2	Response to Procedure	2.16.840.1.113883.17.3.5.59		
medications administered	EMedications.07	67540-5	Response to Medication	2.16.840.1.113883.17.3.5.44		
			Improved	2.16.840.1.113883.17.3.5.59	9916001	LA65-8
			Unchanged	2.16.840.1.113883.17.3.5.59	9916003	LA17181-1
			Worse	2.16.840.1.113883.17.3.5.59	9916005	LA11011-6
Disposition	EDisposition.20	67552-0	Reason for Choosing Destination	2.16.840.1.113883.17.3.5.68		
			Closest Facility	2.16.840.1.113883.17.3.5.68	4220001	LA17182-9
			Diversion	2.16.840.1.113883.17.3.5.68	4220003	LA18301-4
			Family Choice	2.16.840.1.113883.17.3.5.68	4220005	LA17184-5
			Insurance Status/Requirement	2.16.840.1.113883.17.3.5.68	4220007	LA17185-2
			Law Enforcement Choice	2.16.840.1.113883.17.3.5.68	4220009	LA17186-0
			On-Line/On-Scene Medical Direction	2.16.840.1.113883.17.3.5.68	4220011	LA17187-8
			Other (Not Listed)	2.16.840.1.113883.17.3.5.68	4220013	LA17059-9
			Patient's Choice	2.16.840.1.113883.17.3.5.68	4220015	LA17188-6

			Patient's Physician's Choice	2.16.840.1.113883.17.3.5.68	4220017	LA17189-4
			Protocol	2.16.840.1.113883.17.3.5.68	4220019	LA17190-2
			Regional Specialty Center	2.16.840.1.113883.17.3.5.68	4220021	LA17191-0
Header - Destination Participant	EDisposition.21		Type of Destination	2.16.840.1.113883.17.3.5.69		
			Home	2.16.840.1.113883.17.3.5.69	4221001	
			Hospital-Emergency Department	2.16.840.1.113883.17.3.5.69	4221003	
			Hospital-Non-Emergency Department Bed	2.16.840.1.113883.17.3.5.69	4221005	
			Medical Office/Clinic	2.16.840.1.113883.17.3.5.69	4221007	
			Morgue/Mortuary	2.16.840.1.113883.17.3.5.69	4221009	
			Nursing Home/Assisted Living Facility	2.16.840.1.113883.17.3.5.69	4221011	
			Other (Not Listed)	2.16.840.1.113883.17.3.5.69	4221013	
			Other EMS Responder (air)	2.16.840.1.113883.17.3.5.69	4221015	
			Other EMS Responder (ground)	2.16.840.1.113883.17.3.5.69	4221017	
			Police/Jail	2.16.840.1.113883.17.3.5.69	4221019	
Injury Incident	EInjury.07	67499-4	Use of Occupant Safety Equipment	2.16.840.1.113883.17.3.5.7		
			Child Booster Seat	2.16.840.1.113883.17.3.5.7	2907001	LA17375-9
			Eye Protection	2.16.840.1.113883.17.3.5.7	2907003	LA9391-9
			Helmet Worn	2.16.840.1.113883.17.3.5.7	2907005	LA17376-7
			Infant Car Seat Forward Facing	2.16.840.1.113883.17.3.5.7	2907007	LA17377-5
			Infant Car Seat Rear Facing	2.16.840.1.113883.17.3.5.7	2907009	LA17378-3
			Lap Belt With Shoulder Belt	2.16.840.1.113883.17.3.5.7	2907011	LA17379-1
			Lap Belt Without Shoulder Belt	2.16.840.1.113883.17.3.5.7	2907013	LA17380-9
			None	2.16.840.1.113883.17.3.5.7	2907015	LA137-2
			Other	2.16.840.1.113883.17.3.5.7	2907017	LA46-8

			Personal Floatation Device	2.16.840.1.113883.17.3.5.7	2907019	LA9393-5
			Protective Clothing	2.16.840.1.113883.17.3.5.7	2907021	LA9392-7
			Protective Non-Clothing Gear	2.16.840.1.113883.17.3.5.7	2907023	LA17382-5
			Shoulder Belt	2.16.840.1.113883.17.3.5.7	2907025	LA9381-0
Billing	EPayment.50	69464-6	CMS Service Level	2.16.840.1.113883.17.3.5.70		
			ALS, Level 1	2.16.840.1.113883.17.3.5.70	2650001	LA18102-6
			ALS, Level 1 Emergency	2.16.840.1.113883.17.3.5.70	2650003	LA18103-4
			ALS, Level 2	2.16.840.1.113883.17.3.5.70	2650005	LA18104-2
			BLS	2.16.840.1.113883.17.3.5.70	2650007	LA18105-9
			BLS, Emergency	2.16.840.1.113883.17.3.5.70	2650009	LA18106-7
			Fixed Wing (Airplane)	2.16.840.1.113883.17.3.5.70	2650011	LA18107-5
			Paramedic Intercept	2.16.840.1.113883.17.3.5.70	2650013	LA18108-3
			Specialty Care Transport	2.16.840.1.113883.17.3.5.70	2650015	LA18109-1
			Rotary Wing (Helicopter)	2.16.840.1.113883.17.3.5.70	2650017	LA18110-9
Billing	EPayment.51			2.16.840.1.113883.17.3.5.71		
Billing	EPayment.51	67556-1	EMS Condition Code	2.16.840.1.113883.17.3.5.71	list at cms.gov	
Exposures Injuries	EOther.06	67555-3	Type of Suspected EMS Blood/Body Fluid Exposure,	2.16.840.1.113883.17.3.5.72		
			Death-Cardiac Arrest	2.16.840.1.113883.17.3.5.72	4506001	LA17402-1
			Death-Injury Related	2.16.840.1.113883.17.3.5.72	4506003	LA17403-9
			Death-Other (Not Listed)	2.16.840.1.113883.17.3.5.72	4506005	LA17404-7
			Exposure-Airborne Respiratory/Biological/Aerosolized Secretions	2.16.840.1.113883.17.3.5.72	4506007	LA17405-4
			Exposure-Body Fluid Contact to Broken Skin	2.16.840.1.113883.17.3.5.72	4506009	LA17406-2
			Exposure-Body Fluid Contact with Eye	2.16.840.1.113883.17.3.5.72	4506011	LA17407-0

			Exposure-Body Fluid Contact with Intact Skin	2.16.840.1.113883.17.3.5.72	4506013	LA17408-8
			Exposure-Body Fluid Contact with Mucosal Surface	2.16.840.1.113883.17.3.5.72	4506015	LA17409-6
			Exposure-Needle Stick with Body Fluid Injection	2.16.840.1.113883.17.3.5.72	4506017	LA17410-4
			Exposure-Needle Stick without Body Fluid Injection	2.16.840.1.113883.17.3.5.72	4506019	LA17411-2
			Exposure-Toxin/Chemical/Hazmat	2.16.840.1.113883.17.3.5.72	4506021	LA17412-0
			Injury-Lifting/Back/Musculoskeletal	2.16.840.1.113883.17.3.5.72	4506023	LA17413-8
			Injury-Other (Not Listed)	2.16.840.1.113883.17.3.5.72	4506025	LA17414-6
			None	2.16.840.1.113883.17.3.5.72	4506027	LA137-2
			Other (Not Listed)	2.16.840.1.113883.17.3.5.72	4506029	LA17059-9
Protocol	EProtocols.01	67537-1	Protocols Used	2.16.840.1.113883.17.3.5.73		
			Airway	2.16.840.1.113883.17.3.5.73	9914001	LA17398-1
			Airway-Failed	2.16.840.1.113883.17.3.5.73	9914003	LA17491-4
			Airway-Obstruction/Foreign Body	2.16.840.1.113883.17.3.5.73	9914005	LA17492-2
			Airway-Rapid Sequence Induction (RSI-Paralytic)	2.16.840.1.113883.17.3.5.73	9914007	LA17494-8
			Airway-Sedation Assisted (Non-Paralytic)	2.16.840.1.113883.17.3.5.73	9914009	LA17495-5
			Cardiac Arrest-Asystole	2.16.840.1.113883.17.3.5.73	9914011	LA17496-3
			Cardiac Arrest-Hypothermia-Therapeutic	2.16.840.1.113883.17.3.5.73	9914013	LA17499-7
			Cardiac Arrest-Pulseless Electrical Activity	2.16.840.1.113883.17.3.5.73	9914015	LA17497-1
			Cardiac Arrest-Ventricular Fibrillation/ Pulseless	2.16.840.1.113883.17.3.5.73	9914017	LA17498-9

			Ventricular Tachycardia			
			Cardiac Arrest-Post Resuscitation Care	2.16.840.1.113883.17.3.5.73	9914019	LA17500-2
			Environmental-Altitude Sickness	2.16.840.1.113883.17.3.5.73	9914021	LA17501-0
			Environmental-Cold Exposure	2.16.840.1.113883.17.3.5.73	9914023	LA17502-8
			Environmental-Frostbite/Cold Injury	2.16.840.1.113883.17.3.5.73	9914025	LA17503-6
			Environmental-Heat Exposure/Exhaustion	2.16.840.1.113883.17.3.5.73	9914027	LA17504-4
			Environmental-Heat Stroke/Hyperthermia	2.16.840.1.113883.17.3.5.73	9914029	LA17505-1
			Environmental-Hypothermia	2.16.840.1.113883.17.3.5.73	9914031	LA17506-9
			Exposure-Airway/Inhalation Irritants	2.16.840.1.113883.17.3.5.73	9914033	LA17507-7
			Exposure-Biological/Infectious	2.16.840.1.113883.17.3.5.73	9914035	LA17508-5
			Exposure-Blistering Agents	2.16.840.1.113883.17.3.5.73	9914037	LA17509-3
			Exposure-Carbon Monoxide/Smoke Inhalation	2.16.840.1.113883.17.3.5.73	9914039	LA17510-1
			Exposure-Chemicals to Eye	2.16.840.1.113883.17.3.5.73	9914041	LA17511-9
			Exposure-Cyanide	2.16.840.1.113883.17.3.5.73	9914043	LA17512-7
			Exposure-Explosive/ Blast Injury	2.16.840.1.113883.17.3.5.73	9914045	LA17513-5
			Exposure-Nerve Agents	2.16.840.1.113883.17.3.5.73	9914047	LA17514-3
			Exposure-Radiologic Agents	2.16.840.1.113883.17.3.5.73	9914049	LA17515-0
			General-Back Pain	2.16.840.1.113883.17.3.5.73	9914051	LA17516-8
			General-Behavioral/Patient Restraint	2.16.840.1.113883.17.3.5.73	9914053	LA17517-6
			General-Cardiac Arrest	2.16.840.1.113883.17.3.5.73	9914055	LA18269-3
			General-Dental Problems	2.16.840.1.113883.17.3.5.73	9914057	LA17518-4

		General-Epistaxis	2.16.840.1.113883.17.3.5.73	9914059	LA17519-2
		General-Fever	2.16.840.1.113883.17.3.5.73	9914061	LA17520-0
		General-Individualized Patient Protocol	2.16.840.1.113883.17.3.5.73	9914063	LA17521-8
		General-Indwelling Medical Devices/Equipment	2.16.840.1.113883.17.3.5.73	9914065	LA17522-6
		General-IV Access	2.16.840.1.113883.17.3.5.73	9914067	LA17523-4
		General-Medical Device Malfunction	2.16.840.1.113883.17.3.5.73	9914069	LA17524-2
		General-Pain Control	2.16.840.1.113883.17.3.5.73	9914071	LA17525-9
		General-Spinal Immobilization/Clearance	2.16.840.1.113883.17.3.5.73	9914073	LA17526-7
		General-Universal Patient Care/ Initial Patient Contact	2.16.840.1.113883.17.3.5.73	9914075	LA17527-5
		Injury-Amputation	2.16.840.1.113883.17.3.5.73	9914077	LA17528-3
		Injury-Bites and Envenomations-Land	2.16.840.1.113883.17.3.5.73	9914079	LA17529-1
		Injury-Bites and Envenomations-Marine	2.16.840.1.113883.17.3.5.73	9914081	LA17530-9
		Injury-Bleeding/ Hemorrhage Control	2.16.840.1.113883.17.3.5.73	9914083	LA17531-7
		Injury-Burns-Thermal	2.16.840.1.113883.17.3.5.73	9914085	LA17532-5
		Injury-Cardiac Arrest	2.16.840.1.113883.17.3.5.73	9914087	LA17533-3
		Injury-Crush Syndrome	2.16.840.1.113883.17.3.5.73	9914089	LA17534-1
		Injury-Diving Emergencies	2.16.840.1.113883.17.3.5.73	9914091	LA17535-8
		Injury-Drowning/Near Drowning	2.16.840.1.113883.17.3.5.73	9914093	LA17536-6
		Injury-Electrical Injuries	2.16.840.1.113883.17.3.5.73	9914095	LA17537-4
		Injury-Extremity	2.16.840.1.113883.17.3.5.73	9914097	LA17538-2
		Injury-Eye	2.16.840.1.113883.17.3.5.73	9914099	LA17539-0
		Injury-Head	2.16.840.1.113883.17.3.5.73	9914101	LA17540-8

			Injury-Impaled Object	2.16.840.1.113883.17.3.5.73	9914103	LA17541-6
			Injury-Multisystem	2.16.840.1.113883.17.3.5.73	9914105	LA17542-4
			Injury-Spinal Cord	2.16.840.1.113883.17.3.5.73	9914107	LA17543-2
			Medical-Abdominal Pain	2.16.840.1.113883.17.3.5.73	9914109	LA17544-0
			Medical-Allergic Reaction/Anaphylaxis	2.16.840.1.113883.17.3.5.73	9914111	LA17545-7
			Medical-Altered Mental Status	2.16.840.1.113883.17.3.5.73	9914113	LA17546-5
			Medical-Bradycardia	2.16.840.1.113883.17.3.5.73	9914115	LA17547-3
			Medical-Cardiac Chest Pain	2.16.840.1.113883.17.3.5.73	9914117	LA17548-1
			Medical-Diarrhea	2.16.840.1.113883.17.3.5.73	9914119	LA17549-9
			Medical-Hyperglycemia	2.16.840.1.113883.17.3.5.73	9914121	LA17550-7
			Medical-Hypertension	2.16.840.1.113883.17.3.5.73	9914123	LA17551-5
			Medical-Hypoglycemia/Diabetic Emergency	2.16.840.1.113883.17.3.5.73	9914125	LA17552-3
			Medical-Hypotension/Shock (Non-Trauma)	2.16.840.1.113883.17.3.5.73	9914127	LA17553-1
			Medical-Influenza-Like Illness/ Upper Respiratory Infection	2.16.840.1.113883.17.3.5.73	9914129	LA17554-9
			Medical-Nausea/Vomiting	2.16.840.1.113883.17.3.5.73	9914131	LA17555-6
			Medical-Newborn/ Neonatal Resuscitation	2.16.840.1.113883.17.3.5.73	9914133	LA17556-4
			Medical-Overdose/Poisoning/Toxic Ingestion	2.16.840.1.113883.17.3.5.73	9914135	LA17557-2
			Medical-Pulmonary Edema/CHF	2.16.840.1.113883.17.3.5.73	9914137	LA17558-0
			Medical-Respiratory Distress/Asthma/COPD/Croup/ Reactive Airway	2.16.840.1.113883.17.3.5.73	9914139	LA17559-8
			Medical-Seizure	2.16.840.1.113883.17.3.5.73	9914141	LA17560-6

			Medical-ST-Elevation Myocardial Infarction (STEMI)	2.16.840.1.113883.17.3.5.73	9914143	LA17561-4
			Medical-Stroke/TIA	2.16.840.1.113883.17.3.5.73	9914145	LA17562-2
			Medical-Supraventricular Tachycardia (Including Atrial Fibrillation)	2.16.840.1.113883.17.3.5.73	9914147	LA17563-0
			Medical-Syncope	2.16.840.1.113883.17.3.5.73	9914149	LA17564-8
			Medical-Ventricular Tachycardia (With Pulse)	2.16.840.1.113883.17.3.5.73	9914151	LA17565-5
			Not Done	2.16.840.1.113883.17.3.5.73	9914153	LA6630-3
			OB/GYN-Childbirth/Labor/Delivery	2.16.840.1.113883.17.3.5.73	9914155	LA17566-3
			OB/GYN-Eclampsia	2.16.840.1.113883.17.3.5.73	9914157	LA17567-1
			OB/GYN-Gynecologic Emergencies	2.16.840.1.113883.17.3.5.73	9914159	LA17568-9
			OB/GYN-Pregnancy Related Emergencies	2.16.840.1.113883.17.3.5.73	9914161	LA17569-7
			OB/GYN-Post-partum Hemorrhage	2.16.840.1.113883.17.3.5.73	9914163	LA17570-5
			Other	2.16.840.1.113883.17.3.5.73	9914165	LA46-8
Protocol	EOther.02	67553-8	Potential System of Care/Specialty/Registry Patient	2.16.840.1.113883.17.3.5.74		
			Airway	2.16.840.1.113883.17.3.5.74	4502001	LA17398-1
			Burn	2.16.840.1.113883.17.3.5.74	4502003	LA7318-4
			Cardiac/MI	2.16.840.1.113883.17.3.5.74	4502005	LA9535-1
			CVA/Stroke	2.16.840.1.113883.17.3.5.74	4502007	LA9553-4
			Drowning	2.16.840.1.113883.17.3.5.74	4502009	LA17057-3
			Other (Not Listed)	2.16.840.1.113883.17.3.5.74	4502011	LA17059-9
			Spinal Cord Injury	2.16.840.1.113883.17.3.5.74	4502013	LA17399-9
			STEMI/Acute Cardiac	2.16.840.1.113883.17.3.5.74	4502015	LA17400-5
			Trauma	2.16.840.1.113883.17.3.5.74	4502017	LA17058-1

			Traumatic Brain Injury	2.16.840.1.113883.17.3.5.74	4502019	LA17401-3
Scene	EScene.06	67489-5	Number of Patients at Scene	2.16.840.1.113883.17.3.5.75		
			Multiple	2.16.840.1.113883.17.3.5.75	2707001	LA15382-7
			None	2.16.840.1.113883.17.3.5.75	2707003	LA137-2
			Single	2.16.840.1.113883.17.3.5.75	2707005	LA17717-2
Situation	ESituation.07		Chief Complaint Anatomic Location	2.16.840.1.113883.17.3.5.76		
			Abdomen	2.16.840.1.113883.17.3.5.76	2807001	
			Back	2.16.840.1.113883.17.3.5.76	2807003	
			Chest	2.16.840.1.113883.17.3.5.76	2807005	
			Extremity-Lower	2.16.840.1.113883.17.3.5.76	2807007	
			Extremity-Upper	2.16.840.1.113883.17.3.5.76	2807009	
			General/Global	2.16.840.1.113883.17.3.5.76	2807011	
			Genitalia	2.16.840.1.113883.17.3.5.76	2807013	
			Head	2.16.840.1.113883.17.3.5.76	2807015	
			Neck	2.16.840.1.113883.17.3.5.76	2807017	
Situation	ESituation.08	69468-7	Chief Complaint Organ System	2.16.840.1.113883.17.3.5.77		
			Behavioral/Psychiatric	2.16.840.1.113883.17.3.5.77	2808001	LA9534-4
			Cardiovascular	2.16.840.1.113883.17.3.5.77	2808003	LA18277-6
			CNS/Neuro	2.16.840.1.113883.17.3.5.77	2808005	LA18278-4
			Endocrine/Metabolic	2.16.840.1.113883.17.3.5.77	2808007	LA18279-2
			GI	2.16.840.1.113883.17.3.5.77	2808009	LA16968-2
			Global/General	2.16.840.1.113883.17.3.5.77	2808011	LA18114-1
			Lymphatic/Immune	2.16.840.1.113883.17.3.5.77	2808013	LA18281-8
			Musculoskeletal/Skin	2.16.840.1.113883.17.3.5.77	2808015	LA18282-6
			Reproductive	2.16.840.1.113883.17.3.5.77	2808017	LA18283-4
			Pulmonary	2.16.840.1.113883.17.3.5.77	2808019	LA18284-2
			Renal	2.16.840.1.113883.17.3.5.77	2808021	LA18285-9
Situation	ESituation.1	67493-7	Patient's Initial Condition at	2.16.840.1.113883.17.3.5.78		

	3		Scene			
			Critical (Red)	2.16.840.1.113883.17.3.5.78	2813001	LA17696-8
			Emergent (Yellow)	2.16.840.1.113883.17.3.5.78	2813003	LA17695-0
			Lower Acuity (Green)	2.16.840.1.113883.17.3.5.78	2813005	LA17694-3
			Dead without Resuscitation Efforts (Black)	2.16.840.1.113883.17.3.5.78	2813007	LA17697-6
Header - Service Event	EResponse.05		Type of Service Requested	2.16.840.1.113883.17.3.5.79		
			911 Response (Scene)	2.16.840.1.113883.17.3.5.79	2205001	
			Intercept	2.16.840.1.113883.17.3.5.79	2205003	
			Interfacility Transport	2.16.840.1.113883.17.3.5.79	2205005	
			Medical Transport	2.16.840.1.113883.17.3.5.79	2205007	
			Mutual Aid	2.16.840.1.113883.17.3.5.79	2205009	
			Public Assistance/Other Not Listed	2.16.840.1.113883.17.3.5.79	2205011	
			Standby	2.16.840.1.113883.17.3.5.79	2205013	
Injury Incident	EInjury.08	67500-9	Airbag Deployment	2.16.840.1.113883.17.3.5.8		
			Airbag Deployed Front	2.16.840.1.113883.17.3.5.8	2908001	LA17384-1
			Airbag Deployed Side	2.16.840.1.113883.17.3.5.8	2908003	LA17385-8
			Airbag Deployed Other (knee, Air belt, etc.)	2.16.840.1.113883.17.3.5.8	2908005	LA17386-6
			No Airbag Deployed	2.16.840.1.113883.17.3.5.8	2908007	LA17387-4
			No Airbag Present	2.16.840.1.113883.17.3.5.8	2908009	LA17388-2
			Other	2.16.840.1.113883.17.3.5.8	2908011	LA46-8
Header - Service Event	ECrew.03		Crew Member Response Role	2.16.840.1.113883.17.3.5.80		
			Driver/Pilot-Response	2.16.840.1.113883.17.3.5.80	2303001	
			Driver/Pilot-Transport	2.16.840.1.113883.17.3.5.80	2303003	
			Other (Not Listed)	2.16.840.1.113883.17.3.5.80	2303005	
			Other Patient Caregiver-At Scene	2.16.840.1.113883.17.3.5.80	2303007	

			Other Patient Caregiver-Transport	2.16.840.1.113883.17.3.5.80	2303009	
			Primary Patient Caregiver-At Scene	2.16.840.1.113883.17.3.5.80	2303011	
			Primary Patient Caregiver-Transport	2.16.840.1.113883.17.3.5.80	2303013	
Header - Service Event	ECrew.02		Crew Member Level	2.16.840.1.113883.17.3.5.81		
			2009 Advanced Emergency Medical Technician (AEMT)	2.16.840.1.113883.17.3.5.81	2302001	
			2009 Emergency Medical Responder (EMR)	2.16.840.1.113883.17.3.5.81	2302003	
			2009 Emergency Medical Technician (EMT)	2.16.840.1.113883.17.3.5.81	2302005	
			2009 Paramedic	2.16.840.1.113883.17.3.5.81	2302007	
			First Responder	2.16.840.1.113883.17.3.5.81	2302009	
			EMT-Basic	2.16.840.1.113883.17.3.5.81	2302011	
			EMT-Intermediate	2.16.840.1.113883.17.3.5.81	2302013	
			EMT-Paramedic	2.16.840.1.113883.17.3.5.81	2302015	
			Nurse	2.16.840.1.113883.17.3.5.81	2302017	
			Other Healthcare Professional	2.16.840.1.113883.17.3.5.81	2302019	
			Other Non-Healthcare Professional	2.16.840.1.113883.17.3.5.81	2302021	
			Physician	2.16.840.1.113883.17.3.5.81	2302023	
			Respiratory Therapist	2.16.840.1.113883.17.3.5.81	2302025	
			Student	2.16.840.1.113883.17.3.5.81	2302027	
			Critical Care Paramedic	2.16.840.1.113883.17.3.5.81	2302029	
			Community Paramedicine	2.16.840.1.113883.17.3.5.81	2302031	
Header - Encompassing Encounter	EResponse.07		Primary Role of the Unit	2.16.840.1.113883.17.3.5.82		

			Air Transport	2.16.840.1.113883.17.3.5.82	2207001	
			Ground Transport	2.16.840.1.113883.17.3.5.82	2207003	
			Non-Transport Administrative (e.g., Supervisor)	2.16.840.1.113883.17.3.5.82	2207005	
			Non-Transport Assistance	2.16.840.1.113883.17.3.5.82	2207007	
			Non-Transport Rescue	2.16.840.1.113883.17.3.5.82	2207009	
allergies	Ehistory.07	69748-2	Environmental allergies	2.16.840.1.113883.17.3.5.83		
			Chemical	2.16.840.1.113883.17.3.5.83	3107001	LA18356-8
			Dander/Dust/Mold/Pollen	2.16.840.1.113883.17.3.5.83	3107003	LA18357-6
			Food Allergy	2.16.840.1.113883.17.3.5.83	3107005	LA18358-4
			Insect Sting	2.16.840.1.113883.17.3.5.83	3107007	LA18359-2
			Latex	2.16.840.1.113883.17.3.5.83	3107009	LA18360-0
			None	2.16.840.1.113883.17.3.5.83	3107011	LA137-2
			Other (Not Listed)	2.16.840.1.113883.17.3.5.83	3107013	LA17059-9
			Plant	2.16.840.1.113883.17.3.5.83	3107015	LA18361-8
assessment	EExam.19	67535-5	Mental Status Assessment	2.16.840.1.113883.17.3.5.84		
			Combative	2.16.840.1.113883.17.3.5.84	3519001	LA17287-6
			Confused	2.16.840.1.113883.17.3.5.84	3519003	LA6560-2
			Hallucinations	2.16.840.1.113883.17.3.5.84	3519005	LA7438-0
			Normal Baseline for Patient	2.16.840.1.113883.17.3.5.84	3519007	LA17286-8
			Not Done	2.16.840.1.113883.17.3.5.84	3519009	LA6630-3
			Oriented-Person	2.16.840.1.113883.17.3.5.84	3519011	LA17288-4
			Oriented-Place	2.16.840.1.113883.17.3.5.84	3519013	LA17289-2
			Oriented-Event	2.16.840.1.113883.17.3.5.84	3519015	LA18259-4
			Oriented-Time	2.16.840.1.113883.17.3.5.84	3519017	LA17290-0
			Pharmacologically Sedated/Paralyzed	2.16.840.1.113883.17.3.5.84	3519019	LA18260-2
			Unresponsive	2.16.840.1.113883.17.3.5.84	3519021	LA9343-0
assessment	EHistory.01	67515-7	Barriers to Patient Care	2.16.840.1.113883.17.3.5.85		
			Cultural, Custom, Religious	2.16.840.1.113883.17.3.5.85	3101001	LA17306-4

			Developmentally Impaired	2.16.840.1.113883.17.3.5.85	3101003	LA17307-2
			Hearing Impaired	2.16.840.1.113883.17.3.5.85	3101005	LA17308-0
			Language	2.16.840.1.113883.17.3.5.85	3101007	LA17309-8
			None Noted	2.16.840.1.113883.17.3.5.85	3101009	LA17318-9
			Obesity	2.16.840.1.113883.17.3.5.85	3101011	LA6301-1
			Physical Barrier (Unable to Access Patient)	2.16.840.1.113883.17.3.5.85	3101013	LA17310-6
			Physically Impaired	2.16.840.1.113883.17.3.5.85	3101015	LA17311-4
			Physically Restrained	2.16.840.1.113883.17.3.5.85	3101017	LA17312-2
			Psychologically Impaired	2.16.840.1.113883.17.3.5.85	3101019	LA17313-0
			Sight Impaired	2.16.840.1.113883.17.3.5.85	3101021	LA17314-8
			Speech Impaired	2.16.840.1.113883.17.3.5.85	3101023	LA17315-5
			Unattended or Unsupervised (including minors)	2.16.840.1.113883.17.3.5.85	3101025	LA17316-3
			Unconscious	2.16.840.1.113883.17.3.5.85	3101027	LA17711-5
			Uncooperative	2.16.840.1.113883.17.3.5.85	3101029	LA17317-1
Protocol	EProtocols.02	67538-9	Protocol Age Category	2.16.840.1.113883.17.3.5.86		
			Adult Only	2.16.840.1.113883.17.3.5.86	3602001	LA17572-1
			General	2.16.840.1.113883.17.3.5.86	3602003	LA17571-3
			Pediatric Only	2.16.840.1.113883.17.3.5.86	3602005	LA17573-9
Disposition	EDisposition.24	69462-0	Destination Prearrival Activation	2.16.840.1.113883.17.3.5.87		
			No	2.16.840.1.113883.17.3.5.87	4224001	LA32-8
			Yes-Adult Trauma	2.16.840.1.113883.17.3.5.87	4224003	LA18117-4
			Yes-Cardiac Arrest	2.16.840.1.113883.17.3.5.87	4224005	LA18118-2
			Yes-Obstetrics	2.16.840.1.113883.17.3.5.87	4224007	LA18119-0
			Yes-Other	2.16.840.1.113883.17.3.5.87	4224009	LA18120-8
			Yes-Pediatric Trauma	2.16.840.1.113883.17.3.5.87	4224011	LA18121-6
			Yes-STEMI	2.16.840.1.113883.17.3.5.87	4224013	LA18122-4

			Yes-Stroke	2.16.840.1.113883.17.3.5.87	4224015	LA18123-2
Vital Signs	EVitals.30	67521-5	Stroke Scale Type	2.16.840.1.113883.17.3.5.88		
			Cincinnati	2.16.840.1.113883.17.3.5.88	3330001	LA17110-0
			Los Angeles	2.16.840.1.113883.17.3.5.88	3330003	LA17111-8
			Massachusetts	2.16.840.1.113883.17.3.5.88	3330005	LA3774-2
			Miami Emergency Neurologic Deficit (MEND)	2.16.840.1.113883.17.3.5.88	3330007	LA17112-6
			NIH	2.16.840.1.113883.17.3.5.88	3330009	LA17113-4
			Other Stoke Scale Type	2.16.840.1.113883.17.3.5.88	3330011	LA18300-6
Vital Signs	EVitals.22	55285-1	Glasgow Coma Score-Qualifier	2.16.840.1.113883.17.3.5.89		
			Eye Obstruction Prevents Eye Assessment	2.16.840.1.113883.17.3.5.89	3322001	LA17103-5
			Initial GCS has legitimate values without interventions such as intubation and sedation	2.16.840.1.113883.17.3.5.89	3322003	LA17102-7
			Patient Chemically Paralyzed	2.16.840.1.113883.17.3.5.89	3322005	LA17105-0
			Patient Chemically Sedated	2.16.840.1.113883.17.3.5.89	3322007	LA17104-3
			Patient Intubated	2.16.840.1.113883.17.3.5.89	3322009	LA17106-8
EMS cardiac arrest event	EArrest.01	67502-5	Cardiac Arrest	2.16.840.1.113883.17.3.5.91		
			No	2.16.840.1.113883.17.3.5.91	3001001	LA32-8
			Yes, Prior to EMS Arrival	2.16.840.1.113883.17.3.5.91	3001003	LA17054-0
			Yes, After EMS Arrival	2.16.840.1.113883.17.3.5.91	3001005	LA17055-7
Injury Incident	EOther.07	69463-8	Suspected Intentional, or Unintentional Disaster	2.16.840.1.113883.17.3.5.9		
			Biologic Agent	2.16.840.1.113883.17.3.5.9	4507001	LA18089-5
			Building Failure	2.16.840.1.113883.17.3.5.9	4507003	LA18090-3
			Chemical Agent	2.16.840.1.113883.17.3.5.9	4507005	LA18091-1
			Explosive Device	2.16.840.1.113883.17.3.5.9	4507007	LA18092-9
			Fire	2.16.840.1.113883.17.3.5.9	4507009	LA18093-7

			Hostage Event	2.16.840.1.113883.17.3.5.9	4507011	LA18094-5
			Mass Gathering	2.16.840.1.113883.17.3.5.9	4507013	LA18095-2
			Mass Illness	2.16.840.1.113883.17.3.5.9	4507015	LA18096-0
			Nuclear Agent	2.16.840.1.113883.17.3.5.9	4507017	LA18097-8
			Radioactive Device	2.16.840.1.113883.17.3.5.9	4507019	LA18098-6
			Secondary Destructive Device	2.16.840.1.113883.17.3.5.9	4507021	LA18099-4
			Shooting/Sniper	2.16.840.1.113883.17.3.5.9	4507023	LA18100-0
			Vehicular	2.16.840.1.113883.17.3.5.9	4507025	LA18101-8
			Weather	2.16.840.1.113883.17.3.5.9	4507027	LA17594-5