

LA-EMS Data Dictionary

Los Angeles County
Emergency Medical Services Agency
Version 11

*EFFECTIVE:
July 2023*



Revision History

Revisions will be made on an annual basis and published by April 1st annually. New data format will be effective for all files submitted for incident date as of July 1st annually.

07/07/2023 Transport Information

- Updated the short and long text of the following in the 'Med. Ctrl.', tag name 'MedCtrl', picklist:
 - **USC** LAC + USC Medical Center to **LMC** Los Angeles General Medical Center
- Updated the short and long text of the following in the 'Rec Fac', tag name 'ReceivingFacility', picklist:
 - **USC** LAC + USC Medical Center to **LMC** Los Angeles General Medical Center

Patient Assessment

- Removed the following from the 'Mechanism of Injury', tag name 'MechanismOfInjury', picklist:
 - **15** Fall >15ft (> 10ft peds)
- Added the following to the 'Mechanism of Injury', tag name 'MechanismOfInjury', picklist:
 - **10** Fall >10ft

11/07/2022 Validator Logic Rules

- Added logic rule:
 - 'If **Via** = "N" except when **RunType** = "C", "E", or "N", only one of the values for **AMA**, **AssessTreatRelease**, **AssessTreatTransfer**, and **TreatInPlace** can be "Y" and the only acceptable value for the remaining fields is "N"

Medication/Rhythm

- Added the following to the 'Meds', tag name 'Meds', picklist:
 - **OLN** Olanzapine

05/12/2022 Validator Logic Rules

- Revised the following logic rule:
 - Added the following for 'Report Error for Blank/Null Values in **FirstArrestRhythm** if **ProviderImpression**= "CANT", "CABT", or "CAPT"
 - except when **ProviderImpression**= "CABT" or "CAPT" and **ReasonForWithholding** has a non-null value

04/01/2022 Data Submission Details

- Updated version to 'Version 11'

Validator Logic Rules

- Added logic rule:
 - 'For **Meds**= "PAS", "PNA", or "PEP", the only acceptable value for **Route** is "TA"
 - 'For **Route**= "TA", the only acceptable value for **Meds** is "PAS", "PNA", or "PEP"
 - 'Report Error for Blank/Null Values in **DPHNotified** if **ProviderImpression**= "DRWN"
 - 'Report Error for Blank/Null Values in **WhoFirstAppliedAED** if **AEDApplied**= "YWD" or "YWO"

- 'Report Error for Blank/Null Values in **FirstArrestRhythm** if **ProviderImpression**= "CANT", "CABT", or "CAPT"
- Removed the following logic rule:
 - 'Report Error for Blank/Null Values in **RecFacComment** if **ReceivingFacility** has a value= "PUC" or "SCC"
- Revised the following logic rule:
 - Changed the following 'For **Run Type**= "C", "N", or "E" or **Via**= "A", "B", or "H", the only acceptable value for **AMA**, **AssessTreatRelease**, and **TreatInPlace** is 'Not Applicable' (BIU=1)
 - Added **AssessTreatTransfer**
 - Changed the following 'Report Error for Blank/Null Values' in **AMA**, **AssessTreatRelease**, and **TreatInPlace** if **Via**= "N" except when **RunType**= "C", "N" or "E":
 - Added **AssessTreatTransfer**

Transport Information

- Added the following to the 'Prov', tag name 'Provider', picklist:
 - **HE** Heart Ambulance Corporation
 - **MD** MedTrans, Inc.
- Added the following to the 'Rec Fac', tag name 'ReceivingFacility', picklist:
 - **XAV** Star Behavioral Health Urgent Care Center, Lancaster
 - **XCC** Exodus Recovery Center – Culver City
 - **XHG** Exodus Recovery Center – Harbor
 - **XIN** Star Behavioral Health Urgent Care Center, City of Industry
 - **XLB** Star Behavioral Health Urgent Care Center, Long Beach
 - **XLK** Exodus Recovery Center – MLK
 - **XUS** Exodus Recovery Center – USC
 - **ZLA** David L. Murphy Sobering Center
- Removed the following from the 'Rec Fac', tag name 'ReceivingFacility', picklist:
 - **PUC** Psych Urgent Care
 - **SCC** Sobering Center
- Added 'Assess, Treat, & Transfer', tag name 'AssessTreatTransfer' field
Field Values:
 - **Y** Yes
 - **N** N
- Changed tag name for 'Comment' from 'RecFacComment' to 'AdvProvComment'

Stroke

- Changed the XSD Data Type for 'Facial Droop', tag name 'FacialDroop', 'Arm Drift', tag name 'ArmDrift', 'Grip Strength', tag name 'GripStrength', 'Total Score', tag name 'TotalScore', from xs:nonNegativeInteger to xs:string
- Added the following to the 'Facial Droop', tag name 'FacialDroop', picklist:
 - **U** Unable
- Added the following to the 'Arm Drift', tag name 'ArmDrift', picklist:
 - **U** Unable
- Added the following to the 'Grip Strength', tag name 'GripStrength', picklist:

- **U** Unable
- Added the following to the 'Total Score', tag name 'TotalScore', picklist:
 - **U** Unable

Medication/Rhythm

- Added the following to the 'Meds', tag name 'Meds', picklist:
 - **PAS** Aspirin Prior to Arrival
 - **PNA** Narcan Prior to Arrival
 - **PEP** Epinephrine autoinjector Prior to Arrival
- Added the following to the 'Route', tag name 'Route', picklist:
 - **TA** Prior to Arrival

Patient Assessment

- Changed the long text of the following in the 'Mechanism of Injury', tag name 'MechanismOfInjury', picklist:
 - **PB** Ped/Bike < 20mph to Ped/Bike ≤ 20mph

Special Circumstances

- Added 'DPH Notified?', tag name 'DPHNotified' field
- Field Values:**
- **Y** Yes
 - **N** No

Therapies

- Added the following to the 'Therapies', tag name 'Therapy', picklist:
 - **HB** HOB Elevation
 - **PP** Standard PPE Usage
 - **PC** Contact PPE Usage
 - **PA** Aerosol PPE Usage
 - **PQ** Tourniquet (Commercial) Applied PTA

Complication(s) During Tube Placement

- Added the following to the 'Hypoxia?', tag name 'Hypoxia', picklist:
 - **H** Hypoxia Prior to Placement

08/11/2021

Transport Information

- Removed 'Release At Scene?', tag name 'ReleaseAtScene' field
 - Added 'Assess, Treat, & Release?', tag name 'AssessTreatRelease' field
- Field Values:**
- **Y** Yes
 - **N** No
- Removed 'Treat & Refer?', tag name 'TreatRefer', field
 - Added 'Treatment In Place?', tag name 'TreatInPlace' field
- Field Values:**
- **Y** Yes
 - **N** No

07/15/2021

Transport Information

- Removed the following from the 'Rec Fac', tag name 'Receiving Facility', picklist:
 - **TRI** Pacific Gardens Medical Center

04/26/2021

Transport Information

- Added the following to the 'Rec Fac', tag name 'ReceivingFacility', picklist:
 - **TRI** Pacific Gardens Medical Center

04/01/2021

Data Submission Details

- Updated version to 'Version 10'

Validator Logic Rules

- Added logic rule:
 - 'Report Error for Blank/Null Values in **RecFacComment** if **ReceivingFacility** has a value= "PUC" or "SCC"
 - 'Report Error for Blank/Null Values in **AdvancedProviderLevel** if **TreatInPlace** has a value= "Y"
- Revised the following logic rule:
 - Changed the following for 'For **RunType**= "C" or "N" or **Via**= "A", "B", or "H", the only acceptable value for **AMA**, **ReleaseAtScene**, and **TreatRefer** is 'Not Applicable' (BIU=1)
 - Added **RunType**= "E"
 - **ReleaseAtScene** to **AssessTreatRelease**
 - **TreatRefer** to **TreatInPlace**
 - Changed the following for 'Report Error for Blank/Null Values' in **AMA**, **ReleaseAtScene**, and **TreatRefer** if **Via**= "N" except when **RunType**= "C" or "N":
 - Added **RunType**= "E"
 - **ReleaseAtScene** to **AssessTreatRelease**
 - **TreatRefer** to **TreatInPlace**
 - Added the following to 'Report Error for Blank/Null values in the first copy of **Complaint** except when **RunType**= "C" or "N":
 - **RunType**= "E"
 - Added the following to 'For **RunType**= "C" or "N", the only acceptable value for **Age**, **AgeUnit**, **Gender**, **Complaint**, **ProviderImpression**, **MedCtrl**, **Notification**, and **Protocol** is 'Not Applicable' (BIU=1):
 - **RunType**= "E"
 - Added the following to 'Report Error for Blank/Null Values in the first copy of **ProviderImpression** except when **RunType**= "C" or "N":
 - **RunType**= "E"
 - Added the following to 'Report Error if a negative value is received for the following fields:'
 - **Temp**

Incident Information

- Changed the minimum value for 'Date', tag name 'IncidentDate', from 07/01/2015 to 07/01/2016
- Removed 'Auto-generated by the EMS Provider's software' from Data Source Hierarchy for 'MCI?', tag name 'MCI'
- Added the following to the 'Run Type', tag name 'RunType', picklist:
 - **E** Person Found/No Pt
 - **L** Lift Assist
- Updated the long text of the following in the 'Run Type', tag name 'RunType', picklist:
 - **N** No patient to No Contact/No Pt.
- Removed 'Pg 2', tag name 'Page2', field

Transport Information

- Updated the long text of the following in the 'Prov', tag name 'Provider', picklist:

- **FC** First Care Ambulance to First Rescue Ambulance, Inc.
 - **SO** Southern California Ambulance to Symbiosis (Di Biassi)
- Added the following to the 'Prov', tag name 'Provider', picklist:
 - **JA** Journey Ambulance
 - **KC** Kern County Provider
 - **VC** Vital Care Ambulance
- Removed the following from the 'Prov', tag name 'Provider', picklist:
 - **CB** LA County Beaches
 - **VF** Vernon Fire
- Changed the minimum value for 'Disp Date', tag name 'DispatchDate', 'Arrival Date', tag name 'ArrivalDate', 'Date At Patient', tag name 'AtPatientDate', 'Left Date', tag name 'LeftSceneDate', 'At Fac Date', tag name 'AtFacilityDate', 'Fac Equip Date', tag name 'OnFacilityEquipmentDate', and 'Avail Date', tag name 'AvailableDate' from 07/01/2015 to 07/01/2016
- Removed '9-1-1 or Dispatch Center' from Data Source Hierarchy for 'Arrival Date', tag name 'ArrivalDate', 'Arrival', tag name 'ArrivalTime', 'Date at Patient', tag name 'AtPatientDate', 'Time At Patient', tag name 'AtPatientTime', 'Left Date', tag name 'LeftSceneDate', 'Left', tag name 'LeftSceneTime', 'At Fac Date', tag name 'AtFacilityDate', 'At Fac', tag name 'AtFacilityTime', 'Avail Date', tag name 'AvailableDate', and 'Avail', tag name 'AvailableTime', fields
- Changed 'provider' to 'responding unit' in the definitions of 'Dispatch Date', tag name 'DispatchDate', 'Dispatch', tag name 'DispatchTime', 'Arrival Date', tag name 'ArrivalDate', 'Date At Patient', tag name 'AtPatientDate', and 'Time At Patient', tag name 'AtPatientTime', fields
- Changed 'provider' to 'transporting unit' in the definitions of 'Left Date', tag name 'LeftSceneDate', 'Left', tag name 'LeftSceneTime', 'At Fac Date', tag name 'AtFacilityDate', 'At Fac', tag name 'AtFacilityTime', 'Fac Equip Date', tag name 'OnFacilityEquipmentDate', and 'Fac Equip Time', tag name 'OnFacilityEquipmentTime', fields
- Updated the long text of the following in the 'Med. Ctrl.' tag name 'MedCtrl', picklist:
 - **AVH** Antelope Valley Medical Center to Antelope Valley Hospital
 - **HGH** Harbor UCLA Medical Center to LAC Harbor-UCLA Medical Center
 - **QVH** Citrus Valley Medical Center Queen of the Valley Campus to Emanate Health Queen of the Valley Hospital
- Removed the following from the 'Rec Fac', tag name 'ReceivingFacility', picklist:
 - **MID** Olympia Medical Center
- Added the following to the 'Rec Fac', tag name 'ReceivingFacility', picklist:
 - **PUC** Psych Urgent Care
 - **SCC** Sobering Center
- Updated the long text of the following in the 'Rec Fac', tag name 'ReceivingFacility', picklist:
 - **TRM** Providence Tarzana Medical Center to Providence Cedars-Sinai Tarzana Medical Center
- Added 'Comment', tag name 'RecFacComment', field

Field Values

- Free text
- Changed name of 'Release At Scene?', tag name 'ReleaseAtScene', to 'Assess, Treat, & Release?', tag name 'AssessTreatRelease'
- Changed name of 'Treat & Refer?', tag name 'TreatRefer', to 'Treatment in Place?', tag name 'TreatInPlace'
- Added 'Advanced Provider Level', tag name 'AdvancedProviderLevel', field

Field Values

- **APP** Advanced Practice Provider
- **EMS MD** EMS Physician

Stroke

- Changed the minimum value for 'Last Known Well Date', tag name 'LastKnownWellDate', from 07/01/2015 to 07/01/2016

Patient Assessment

- Removed the following from the 'Mechanism of Injury', tag name 'MechanismOfInjury', picklist:
 - **PS** Passenger Space Intrusion

Special Circumstances

- Removed '9-1-1 or Dispatch Center' from Data Source Hierarchy for 'Contacted Med. Circ. Support?', tag name 'ContactMCS'

Vital Signs

- Added 'Temp', tag name 'Temp', field

Field Values

- Up to five-digit positive numeric value
- Added 'Temp Unit', tag name 'TempUnit', field

Field Values

- **C** Celsius
- **F** Fahrenheit

Cardiac Arrest

- Changed the minimum value for 'Date of Arrest', tag name 'ArrestDate', from 07/01/2020 to 07/01/2021
- Added the following to the 'Type of Bystander CPR', tag name 'TypeOfBystanderCPR', picklist:
 - **U** Unknown

Verification of Advance Airway

- Change section name to Verification of Advanced Airway

01/06/2021

Validator Logic Rules

- Added logic rule:
 - 'For **Route**= "LB", the only acceptable value for **Meds** is "NAR"

Medication/Rhythm

- Added the following to the 'Route', tag name 'Route', picklist:
 - **LB** Left Behind

09/22/2020

Medication/Rhythm

- Added the following to the 'Meds', tag name 'Meds', picklist:
 - **MDI** Albuterol MDI
- Changed 'Dose Units', tag name 'DoseUnits', from maximum constraint of 3 to maximum constraint of 5
- Added the following to the 'Dose Units', tag name 'DoseUnits', picklist:
 - **puffs** puffs

	<u>Cardiac Arrest</u> Changed 'If Other, Please Explain', tag name 'IfOtherExplain', from maximum constraint of 40 to maximum constraint of 60
	<u>Airway Management</u> Changed 'If Reason=Other, Explain', tag name 'ExplainOtherReason', from maximum constraint of 40 to maximum constraint of 60
08/7/2020	<u>Incident Information</u> - Added the following to the 'PD', tag name 'PD', picklist: DFW Department of Fish and Wildlife LHPD La Habra PD
06/11/2020	<u>Cardiac Arrest</u> Updated revision history references and 'Other Associated Elements' for 'Time Of Bystander CPR', tag name 'TimeOfByStanderCPR', to reflect that the tag name should have a capitalized, not a lower case, "S"
06/08/2020	<u>Special Circumstances</u> Changed 'DNR/AHCD/POLST?', tag name 'DNR_AHCD_POLST', from multi-copy to uni-copy
	<u>Initial Advanced Airway Placement</u> Changed 'Dislodgement?', tag name 'Dislodgement', from multi-copy to uni-copy
	<u>Cardiac Arrest</u> - Changed 'Who Initiated CPR?', tag name 'WhoInitiatedCPR', from multi-copy to uni-copy - Set max occurrence for 'Time of AED Shock', tag name 'TimeOfAEDShock' to 5
05/27/2020	<u>Advanced Airway</u> Changed tag name for 'Advanced Airway Device' from 'AdvancedAirwayDevices' to 'AdvancedAirwayDevice'
05/07/2020	<u>Validator Logic Rules</u> - Revised the following logic rule for both v8 and v9: - Added the following for 'Report Error for Blank/Null Values in AMA, ReleaseAtScene, and TreatRefer if Via = "N": - except when RunType = "C" or "N"
04/28/2020	<u>Advanced Airway</u> - Changed tag name for 'BMV TM#' from 'TMNumber' to 'BMVTMNumber' - Changed tag name for 'Advanced Airway Device' from 'AdvancedAirwayDevice' to 'AdvancedAirwayDevices' - Changed tag name for 'Rescue Device PM#' from 'TMNumber' to 'RescueDeviceTMNumber'
04/22/2020	<u>Cardiac Arrest</u> Changed tag name for 'Time of 1st Arrest' from '1stArrestTime' to 'FirstArrestTime'
04/08/2020	<u>Vitals</u> Increased the maximum constraint from 2 to 3 for 'CO2', tag name 'CO2
	<u>Therapy Details</u> Increased the maximum constraint from 2 to 3 for 'CO2', tag name 'CO2'
	<u>Transfer of Care</u> Increased the maximum constraint from 2 to 3 for 'CO2', tag name 'CO2'

Advanced Airway

- Increased the maximum constraint from 2 to 3 for 'Capnography Measurement', tag name 'CapnographyMeasurement'

04/01/2020

Data Submission Details

- Updated version to 'Version 9'
- Removed the following as non-nullable fields in the Incident Information section
 - 'Med Ctrl.', tag name 'MedCtrl'

Validator Logic Rules

- Added logic rule:
 - 'Report error if **Via**= "N" and **ReceivingFacility** and/or **TransportedTo** have valid values
 - 'Report error for blank/null values in **LocationCode** and **PDOOnScene** if any copy of **ProviderImpression** has a value= "AGDE", "BURN", "CABT", "CANT", "CAPT", "DCON", "DEAD", "DRWN", "ELCT", "ODPO", "PSYCH", or "TRMA"
- Removed logic rule:
 - 'Report Error for Blank/Null Values of **MedCtrl**'
- Revised the following logic rules:
 - Changed the following for 'Check for Blank/Null Values in **ReceivingFacility** and report error if **Via** = 'A', 'B', or 'H':
 - **Receiving Facility** and **TransportedTo**
 - Changed the **DateOfBirth** year from 1900 to 1910 for 'Report the "Invalid Date" error if year of **DateOfBirth** is less than 1900'
 - Added the following to 'Report Error for Blanks/Null Values in **LastName**, **FirstName**, **Age**, **AgeUnit**, **Gender**, **Complaint**, **ProviderImpression**, and **TeamMemberID** if **RunType** = "R"
 - **Protocol**
 - **MedCtrl**
 - Added the following to 'For **RunType**= "C" or "N", the only acceptable value for **Age**, **AgeUnit**, **Gender**, **Complaint**, **ProviderImpression**, **MedCtrl**, and **Notification** is 'Not Applicable' (BIU=1):
 - **Protocol**
 - Removed the following from 'Report Error if a negative value is received for the following fields:'
 - **JurisdictionalStation**
 - **IVGauge**
 - **IOGauge**
 - Changed the following for 'Report Error if a negative value is received for the following fields:'
 - **TotalIVFluidsReceived** to **TotalIVIOFluidsReceived**
 - Added the following to 'Report Error if a negative value is received for the following fields:'
 - **PatientNumber**
 - **TotalPatients**
 - **NumberOfPatientsTransported**
 - **Joules**
 - **AirwayDeviceSize**

Incident Information

- Changed the minimum value for 'Date', tag name 'IncidentDate', from 07/01/2014 to 07/01/2015
- Deleted 'Jur Sta', tag name 'JurisdictionalStation', field
- Removed the following from the 'Location Code', tag name 'LocationCode', picklist:
 - **BE** Beach/Ocean/Lake/River
- Added the following to the 'Location Code', tag name 'LocationCode', picklist:
 - **BA** Beach
 - **HT** Hotel
 - **LA** Lake
 - **ON** Ocean
 - **PS** Psych Urgent Care
 - **RV** River
 - **SB** Sobering Center
- Added 'PD on Scene?', tag name 'PDOnScene', field after 'Location Code', tag name 'LocationCode', field

Field Values

- **Y** Yes
- **N** No
- Changed name of 'PD & Unit #', tag name 'PDUnitNumber', to 'PD', tag name 'PD'
- Changed field values of 'PD', tag name 'PD', to the following picklist:

Field Values

- **ALPD** Alhambra PD
- **ARPD** Arcadia PD
- **AZPD** Azusa PD
- **BPPD** Baldwin Park PD
- **BEPD** Bell PD
- **BGPD** Bell Gardens PD
- **BHPD** Beverly Hills PD
- **BUPD** Burbank PD
- **CAPD** Campus PD
- **CCPD** Culver City PD
- **CHP** California Highway Patrol
- **CLPD** Claremont PD
- **COPD** Covina PD
- **CPD** Los Angeles County PD
- **DOPD** Downey PD
- **EMPD** El Monte PD
- **ESPD** El Segundo PD
- **GAPD** Gardena PD
- **GLPD** Glendale PD
- **GOPD** Glendora PD
- **HAPD** Hawthorne PD
- **HBPD** Hermosa Beach PD
- **HPPD** Huntington Park PD
- **INPD** Inglewood PD

- **IRPD** Irwindale PD
- **LAAP** LA Airport Police
- **LACS** LA County Sheriff
- **LAPD** Los Angeles PD
- **LAPR** LA City Park Ranger
- **LBDP** Long Beach PD
- **LVPD** La Verne PD
- **MBPD** Manhattan Beach PD
- **MOPD** Montebello PD
- **MPPD** Monterey Park PD
- **MRPD** Monrovia PD
- **PAPD** Pasadena PD
- **POLA** Port of LA PD
- **POPD** Pomona PD
- **PVPD** Palos Verdes Estates PD
- **RBPD** Redondo Beach PD
- **SAPD** San Marino PD
- **SFPD** San Fernando PD
- **SGPD** San Gabriel PD
- **SHPD** Signal Hill PD
- **SIPD** Sierra Madre PD
- **SMPD** Santa Monica PD
- **SPPD** South Pasadena PD
- **STPD** South Gate PD
- **TPD** Torrance PD
- **VPD** Vernon PD
- **WCPD** West Covina PD
- **WPD** Whittier PD
- Added 'PD Unit #', tag name 'PDUnit', field after 'PD', tag name 'PD', field
Field Values
 - Free text
- Moved 'Care Provided by PD', tag name 'CareByPD', from Therapies
- Changed name of 'Care Provided by PD', tag name 'CareByPD', to 'PD Actions', tag name 'PDActions'
- Added the following to the 'PD Actions', tag name 'PDActions', picklist:
 - **AE** AED placement
 - **AS** AED shock
 - **CP** CPR
 - **RE** Restraints
 - **TA** CEW (e.g. Taser®)
- Changed 'PD Actions', tag name 'PDActions', from single to multiple entry configuration

Patient Information

- Changed the minimum value for 'DOB', tag name 'DateofBirth', from 01/01/1900 to 01/01/1910
- Changed tag name for 'Patient Zip Code', from 'PatientZipcode' to 'PatientZipCode'

Transport Information

- Changed the minimum value for 'Disp Date', tag name 'DispatchDate', 'Arrival Date', tag name 'ArrivalDate', 'Date at Patient', tag name 'AtPatientDate', 'Left Date', tag name 'LeftSceneDate', 'At Fac Date', tag name 'AtFacilityDate', 'Fac Equip Date', tag name 'OnFacilityEquipmentDate', and 'Avail Date', tag name 'AvailableDate' from 07/01/2014 to 07/01/2015
- Removed the following from the 'Prov', tag name 'Provider', picklist:
 - **RO** Rescue One Ambulance
 - **UF** Upland Fire
- Added the following to the 'Prov', tag name 'Provider', picklist:
 - **CO** College Coastal Care, LLC
 - **GG** Go Green Ambulance
- Removed suggested prefixes from Additional Information for 'Unit', tag name 'Unit', in the data dictionary
- Updated the long text of the following in the 'Rec Fac', tag name 'ReceivingFacility', picklist:
 - **CPM** Coast Plaza Doctors Hospital to Coast Plaza Hospital
 - **DCH** PIH Health Hospital – Downey to PIH Health Downey Hospital
 - **DFM** Marina Del Rey Hospital to Cedars-Sinai Marina Del Rey Hospital
 - **GSH** Good Samaritan Hospital to PIH Health Good Samaritan Hospital
 - **LBM** Long Beach Memorial Medical Center to MemorialCare Long Beach Medical Center
 - **PIH** PIH Health Hospital – Whittier to PIH Health Whittier Hospital
- Removed the following from the 'Rec Fac', tag name 'ReceivingFacility', picklist:
 - **HEV** Glendora Community Hospital
 - **SVH** St. Vincent Medical Center
- Updated the long text of the following in the 'Med. Ctrl.', tag name 'MedCtrl', picklist:
 - **LBM** Long Beach Memorial Medical Center to MemorialCare Long Beach Medical Center
 - **PIH** PIH Health Hospital – Whittier to PIH Health Whittier Hospital

Complaints

- Move 'Complaint', tag name 'Complaint', to Patient Assessment after 'Distress Level', tag name 'DistressLevel', field
- Removed Complaints wrapper

Mechanism of Injury

- Moved 'Mechanism of Injury', tag name 'MechanismOfInjury', to Patient Assessment after 'Complaint', tag name 'Complaint', field
- Removed Mechanism of Injury wrapper

Stroke

- Changed the minimum value for 'Last Known Well Date', tag name 'LastKnownWellDate' from 07/01/2012 to 07/01/2015

Medication/Defibrillation

- Changed name to Medication/Rhythm
- Changed name of 'Meds/Defib Time', tag name 'Time', to 'Meds/Rhythm Time', tag name 'Time'
- Changed name of 'Meds/Defib', tag name 'MedsDefib', to 'Meds', tag name 'Meds'
- Removed the following from the 'Meds', tag name 'Meds', picklist:
 - **CAR** Cardioversion
 - **AED** AED
 - **DEF** Defibrillation
- Added the following to the 'Meds', tag name 'Meds', picklist:
 - **KLC** Ketorolac
- Removed the following from the 'Dose Units', tag name 'DoseUnits', picklist:
 - **J** Joules

Defibrillation

- Added this wrapper after 'Result', tag name 'Results'
- Added 'Defib Time', tag name 'Time' as first field under Defibrillation wrapper
- Added 'TM #', tag name 'TMNumber', after 'Defib Time', tag name 'DefibTime', field
- Field Values**
 - Free text
- Added 'Defib', tag name 'Defib', field after 'TM #', tag name 'TMNumber', field
- Field Values**
 - **CAR** Cardioversion
 - **DEF** Defibrillation
- Added 'Joules', tag name 'Joules', field after 'Defib', tag name 'Defib', field
- Field Values**
 - Up to three-digit positive numeric value
 - **AED** AED
- Added 'Result', tag name 'Results', field after 'Joules', tag name 'Joules', field
- Field Values**
 - **1HB** First degree Heart Block
 - **2HB** Second degree Heart Block
 - **3HB** Third degree Heart Block
 - **AFL** Atrial Flutter
 - **AFI** Atrial Fibrillation
 - **AGO** Agonal Rhythm
 - **ASY** Asystole
 - **AVR** Accelerated Ventricular Rhythm
 - **IV** Idioventricular Rhythm
 - **JR** Junctional Rhythm
 - **PAC** Premature Atrial Contraction
 - **PAT** Paroxysmal Atrial Tachycardia
 - **PEA** Pulseless Electrical Activity
 - **PM** Pacemaker Rhythm
 - **PST** Paroxysmal Supraventricular Tachycardia

- **PVC** Premature Ventricular Contraction
- **SA** Sinus Arrhythmia
- **SB** Sinus Bradycardia
- **SR** Sinus Rhythm
- **ST** Sinus Tachycardia
- **SVT** Supraventricular Tachycardia
- **UNS** Unknown Non-Shockable Rhythm (AED)
- **US** Unknown Shockable Rhythm (AED)
- **VF** Ventricular Fibrillation
- **VT** Ventricular Tachycardia

Patient Assessment

- Added the following to the 'Peds Color Code', tag name 'PedsWeightColorCode', picklist:
 - **S** Too Short
- Removed the following from the 'Units of Weight', tag name 'WeightUnit', picklist:
 - **L** Pounds (lbs)

Arrest Details

- Changed name to Cardiac Arrest
- Added 'Date of Arrest', tag name 'ArrestDate', field as first field under Arrest Details wrapper
- Added 'Time of 1st Arrest', tag name 'FirstArrestTime', field after 'Date of Arrest', tag name 'ArrestDate', field
- Added 'Arrest Witnessed By', tag name 'ArrestWitnessedBy', field after 'Time of 1st Arrest', tag name 'FirstArrestTime', field

Field Values

- **FE** First Responder EMS (assessment unit, truck, etc.)
- **FM** Family Member
- **HP** Healthcare Provider
- **LE** Law Enforcement
- **LP** Lay Person
- **NO** None
- **TU** Transport Unit (squad or rescue)
- Added 'Presumed Cardiac Arrest Etiology', tag name 'PresumedArrestEtiology', field after 'Arrest Witnessed By', tag name 'ArrestWitnessedBy', field

Field Values

- **DS** Drowning/Submersion
- **EL** Electrocution
- **EX** Exsanguination/Hemorrhage (non-traumatic)
- **OD** Drug Overdose
- **PC** Presumed Cardiac Etiology
- **RA** Respiratory/Asphyxia
- **SE** Sepsis
- **TR** Trauma
- **OT** Other
- Added 'If Other, Please Explain', tag name 'IfOtherExplain', field after 'Presumed Cardiac Arrest Etiology', tag name 'PresumedArrestEtiology', field

Field Values

- Free text
- Added 'Were Dispatcher CPR Instructions Provided?', tag name 'DispatchCPRInstructions', field after 'If Other, Please Explain', tag name 'IfOtherExplain', field

Field Values

- **Y** Yes
- **N** No
- **U** Unknown
- Added 'Resuscitation Attempted by an ACLS Provider?', tag name 'ACLSResuscitation', field after 'Were Dispatcher CPR Instructions Provided?', tag name 'DispatchCPRInstructions', field

Field Values

- **Y** Yes
- **N** No
- Added 'Who Initiated CPR?', tag name 'WhoInitiatedCPR', field after 'Resuscitation Attempted by an ACLS Provider?', tag name 'ACLSResuscitation', field

Field Values

- **FE** First Responder EMS (assessment unit, truck, etc.)
- **FM** Family Member
- **HP** Healthcare Provider
- **LE** Law Enforcement
- **LP** Lay Person
- **NO** No CPR Performed
- **TU** Transport Unit (squad or rescue)
- Moved 'Arrest to CPR', tag name 'ArresttoCPR', after 'Who Initiated CPR?', tag name 'WhoInitiatedCPR', field
- Added 'Time of Bystander CPR', tag name 'TimeOfBystanderCPR', field after 'Arrest to CPR', tag name 'ArresttoCPR', field
- Added 'Type of Bystander CPR', tag name 'TypeOfBystanderCPR', field after 'Time of Bystander CPR', tag name 'TimeOfBystanderCPR', field

Field Values

- **C** Compressions Only
- **CV** Compressions and Ventilations
- **V** Ventilations Only
- Moved 'EMS CPR Time', tag name 'EMSCPRTIME', after 'Type of Bystander CPR', tag name 'TypeOfBystanderCPR', field
- Added 'Was an AED Applied?', tag name 'AEDApplied', field after 'EMS CPR Time', tag name 'EMSCPRTIME', field

Field Values

- **YWD** Yes, with defibrillation
- **YWO** Yes, without defibrillation
- **N** No
- Added 'Who First Applied AED?', tag name 'WhoFirstAppliedAED', field after 'Was an AED Applied?', tag name 'AEDApplied', field

Field Values

- **FE** First Responder EMS (assessment unit, truck, etc.)
- **FM** Family Member

- **HP** Healthcare Provider
- **LE** Law Enforcement
- **LP** Lay Person
- **TU** Transport Unit (squad or rescue)
- Added 'Who First Defibrillated the Patient?', tag name 'WhoFirstDefibrillated', field after 'Who First Applied AED?', tag name 'WhoFirstAppliedAED', field
Field Values
 - **FE** First Responder EMS (assessment unit, truck, etc.)
 - **FM** Family Member
 - **HP** Healthcare Provider
 - **LE** Law Enforcement
 - **LP** Lay Person
 - **NO** Patient was not defibrillated
 - **TU** Transport Unit
- Added 'Time of AED Shock', tag name 'TimeOfAEDShock', field after 'Who First Defibrillated the Patient?', tag name 'WhoFirstDefibrillated', field
- Added 'First Arrest Rhythm of Patient', tag name 'FirstArrestRhythm', field after 'Time of AED Shock', tag name 'TimeOfAEDShock', field
Field Values
 - **ASY** Asystole
 - **PEA** Pulseless Electrical Activity
 - **UNS** Unknown Non-Shockable Rhythm (AED)
 - **US** Unknown Shockable Rhythm (AED)
 - **VF** Ventricular Fibrillation
 - **VT** Ventricular Tachycardia – pulseless
- Added 'Mechanical CPR Device Used?', tag name 'MechanicalCPRDeviceUsed', field after 'First Arrest Rhythm of Patient', tag name 'FirstArrestRhythm', field
Field Values
 - **Y** Yes
 - **N** No
- Added 'If Yes, Please Specify', tag name 'IfYesSpecify', field after 'Mechanical CPR Device Used?', tag name 'MechanicalCPRDeviceUsed', field
Field Values
 - **AP** AutoPulse
 - **LU** Lucas
 - **TH** Thumper
 - **OT** Other
- Added 'If Other, Please Specify', tag name 'IfOtherSpecify', field after 'If Yes, Please Specify', tag name 'IfYesSpecify', field
Field Values
 - Free text
- Added 'Automated CPR Feedback Device Used?', tag name 'AutomatedCPRFeedbackDevice', field after 'If Other, Please Specify', tag name 'IfOtherSpecify', field
Field Values

- **Y** Yes
- **N** No
- Added 'ITD Used?', tag name 'ITDUsed', field after 'Automated CPR Feedback Device Used?', tag name 'AutomatedCPRFeedbackDevice', field

Field Values

- **Y** Yes
- **N** No
- Moved 'Restoration of Pulse Time', tag name 'RestorationofPulseTime', after 'ITD Used?', tag name 'ITDUsed', field
- Added 'Sustained ROSC?', tag name 'SustainedROSC', field after 'Restoration of Pulse Time', tag name 'RestorationofPulseTime', field

Field Values

- **Y** Yes
- **N** No
- **E** Arrived at ED prior to 20 min.
- Added 'End of Event', tag name 'EndOfEvent', field after 'Sustained ROSC?', tag name 'SustainedROSC', field

Field Values

- **DN** Effort ceased due to DNR
- **OE** Ongoing resuscitation in ED
- **PF** Pronounced/TOR in field
- **PE** Pronounced in ED
- Moved 'Time of 814 Death', tag name 'Time814', after 'End of Event', tag name 'EndOfEvent', field
- Moved 'Pronounced Time', tag name 'ResuscitationDiscontinuedTime', field after 'Time of 814', tag name 'Time814', field
- Changed name of 'Arrest Details/Reason For Withholding Resuscitation', tag name 'ArrestDetailsReasonForWithholding', to 'Reason For Withholding Resuscitation', tag name 'ReasonForWithholding'
- Moved 'Reason For Withholding Resuscitation', tag name 'ReasonForWithholding', field after 'ResuscitationDiscontinuedTime', tag name 'PatientPronouncedBy', field
- Removed the following from the 'Reason For Withholding Resuscitation', tag name 'ReasonForWithholding' picklist:
 - **WC** Witnessed Citizen
 - **WE** Witnessed EMS
 - **WN** Not Witnessed
 - **CC** Citizen CPR
 - **CE** CPR by EMS
 - **AA** AED Analyzed
 - **AD** AED Defibrillation
 - **AR** ALS Resuscitation
- Changed name of 'Pronounced Rhythm', tag name 'PronouncedRhythm', to 'Resus D/C Rhythm', tag name 'ResusDCRhythm'

Therapy Details

- Add the following picklist to 'IV Gauge', tag name 'IVGauge':

Field Values

- **14** 14 gauge

- **16** 16 gauge
- **18** 18 gauge
- **20** 20 gauge
- **22** 22 gauge
- **24** 24 gauge
- Changed name of 'IO Gauge', tag name 'IOGauge', to 'IO Length', tag name 'IOLength', and added the following picklist:

Field Values

- **15** 15mm
- **25** 25mm
- **45** 45mm

Advanced Life Support

- Changed name to Advanced Airway
- Added 'BMV Used?', tag name 'BMVUsed', field as first field under Advanced Airway wrapper

Field Values

- **Y** Yes
- **N** No

- Added 'BMV Successful?', tag name 'BMVSuccessful', field after 'BMV Used?', tag name 'BMVUsed', field

Field Values

- **Y** Yes
- **N** No

- Added 'BMV TM#', tag name 'TMNumber', field after 'BMV Successful?', tag name 'BMVSuccessful', field

Field Values

- Free text

- Moved 'Reason For Advanced Airway', tag name 'AdvancedAirwayReason', field after 'BMV TM#', tag name 'TMNumber' field
- Added 'Advanced Airway Device', tag name 'AdvancedAirwayDevice', field after 'Reason For Advanced Airway', tag name 'AdvancedAirwayReason', field

Field Values

- **E** Endotracheal Tube (ETT)
- **K** King LTS-D
- **I** iGel

- Moved 'Endotracheal Tube Paramedic Number', tag name 'TMNumber', from Endotracheal Tube/King Airway and placed after 'Advanced Airway Device', tag name 'AdvancedAirwayDevice', field
- Changed name of 'Endotracheal Tube Paramedic Number', tag name 'TMNumber', to 'Advanced Airway Device PM #', tag name 'TMNumber'
- Added 'Time of Advanced Airway Attempt', tag name 'TimeAdvancedAirwayAttempt', field after 'Advanced Airway Device PM #', tag name 'TMNumber', field
- Moved 'Endotracheal Tube Success', tag name 'Success', from Endotracheal Tube/King Airway and placed after 'Time of Advanced Airway Attempt', tag name 'TimeAdvancedAirwayAttempt', field
- Changed name of 'Endotracheal Tube Success', tag name 'Success', to 'Successful Placement?', tag name 'SuccessfulPlacement'

- Moved 'ETT/King Airway Insertion Success Time', tag name 'TimeETorKingSuccess', field from Endotracheal Tube/King Airway and placed after 'Successful Placement?', tag name 'SuccessfulPlacement', field
- Changed name of 'ETT/King Airway Insertion Success Time', tag name 'TimeETorKingSuccess', to 'Time of Successful Placement', tag name 'TimeSuccessfulPlacement'
- Moved 'Endotracheal/King Tube Size', tag name 'ETKingTubeSize', from Endotracheal Tube/King Airway and placed after 'Time of Successful Placement', tag name 'TimeSuccessfulPlacement', field
- Changed name of 'Endotracheal/King Tube Size', tag name 'ETKingTubeSize', to 'Advanced Airway Device Size', tag name 'AirwayDeviceSize'
- Moved 'Tube Placement Mark at Teeth', tag name 'TubePlacement', field after 'Advanced Airway Device Size', tag name 'AirwayDeviceSize', field
- Moved 'Difficult Airway Techniques', tag name 'DifficultAirwayTechniques', field from Endotracheal Tube/King Airway and placed after 'Tube Placement Mark at Teeth', tag name 'TubePlacement', field
- Removed the following from 'Difficult Airway Techniques', tag name 'DifficultAirwayTechniques', picklist:
 - **FG** Flex Guide
- Added the following to the 'Difficult Airway Techniques', tag name 'DifficultAirwayTechniques', picklist:
 - **IT** Introducer (bougie)
 - **VL** Video Laryngoscopy
- Added 'Advanced Airway Device Placement Confirmed with Capnography?', tag name 'DeviceConfirmedWithCapnography', field after 'Difficult Airway Techniques', tag name 'DifficultAirwayTechniques', field

Field Values

- **Y** Yes
- **N** No
- Moved 'Capnography Measurement', tag name 'CapnographyMeasurement', field from Initial Airway Placement Confirmation and placed after 'Advanced Airway Device Placement Confirmed with Capnography?', tag name 'DeviceConfirmedWithCapnography', field
- Moved 'Spontaneous Respirations', tag name 'SpontaneousRespirations', from Ongoing Placement Confirmation and placed after 'Capnography Measurement', tag name 'CapnographyMeasurement', field
- Moved 'EtCO₂ Detector Colorimetric', tag name 'ETCO2DetectorColormetric' from Initial Airway Placement Confirmation and placed after 'Confirmation With Backup Device', tag name 'ConfirmationWithBackupDevice', field
- Added 'If Placement Not Confirmed with Capnography, Why?', tag name 'IfNoCapnographyWhy', field after 'Spontaneous Respirations', tag name 'SpontaneousRespirations' field

Field Values

- **EF** Capnography Equipment Failure
- **OT** Other

- Added 'If Reason=Other, Explain', tag name 'ExplainOtherReason', field after 'If Placement Not Confirmed with Capnography, Why?', tag name 'IfNoCapnographyWhy', field

Field Values

- Free text
- Added 'Confirmation with Backup Device?', tag name 'ConfirmationWithBackupDevice', field after 'If Reason=Other, Explain', tag name 'ExplainOtherReason', field

Field Values

- Y Yes
- N No
- Added 'Rescue Device?', tag name 'RescueDevice', field **Field Values**
- Y Yes
- N No

- Changed name of 'King Airway Paramedic Number', tag name 'TMNumber', to 'Rescue Device PM #', tag name 'TMNumber'
- Moved 'Rescue Device PM #', tag name 'TMNumber', field after 'Rescue Device?', tag name 'RescueDevice', field
- Moved 'Reason(s) ALS Airway Unable', tag name 'ALSAirwayUnable', field after 'Rescue Device PM #', tag name 'TMNumber', field
- Changed name of 'Reason(s) ALS Airway Unable', tag name 'ALSAirwayUnable', to 'Reason(s) Advanced Airway Device Unable', tag name 'AdvancedAirwayDeviceUnable'

Endotracheal Tube/King Airway

- Deleted 'ETT/King Airway Insertion Start Time', tag name 'TimeETTOrKingStarted', field
- Deleted 'King Airway Success', tag name 'Success', field
- Deleted 'Complication(s) During Tube Placement', tag name 'ComplicationsDuringTubePlacement', field
- Removed Endotracheal Tube/King Airway wrapper

Initial Airway Placement Confirmation

- Deleted 'Init. Adv. Airway Confirmation Technique', tag name 'InitialPlacementConfirmation', field
- Deleted 'Waveform Capnography', tag name 'WaveCapnography', field
- Removed Initial Airway Placement Confirmation wrapper

Complication(s) During Tube Placement

- Added this wrapper after 'Reason(s) Advanced Airway Device Unable', tag name 'ALSAirwayUnable', field
- Added 'Regurgitation/Emesis?', tag name 'RegurgitationEmesis', field as first field under Complication(s) During Tube Placement wrapper

Field Values

- Y Yes
- N No
- Added 'Bleeding/Trauma?', tag name 'BleedingTrauma', after 'Regurgitation/Emesis?', tag name 'RegurgitationEmesis', field

Field Values

- Y Yes
- N No
- Added 'Bradycardia?', tag name 'Bradycardia', field after 'Bleeding/Trauma?', tag name 'BleedingTrauma', field

Field Values

- **Y** Yes
- **N** No
- Added 'Hypoxia?', tag name 'Hypoxia', field after 'Bradycardia?', tag name 'Bradycardia', field

Field Values

- **Y** Yes
- **N** No
- Added 'Right Mainstem Placement?', tag name 'RightMainstemPlacement', field after 'Hypoxia?', tag name 'Hypoxia', field

Field Values

- **Y** Yes
- **N** No

Initial Advanced Airway Placement Confirmation

- Added this wrapper after 'Right Mainstem Placement?', tag name 'RightMainstemPlacement', field
- Added 'Bilateral Breath Sounds?', tag name 'BilateralBreathSounds', field as first field under Initial Advanced Airway Placement Confirmation wrapper

Field Values

- **Y** Yes
- **N** No
- Added 'Bilateral Chest Rise?', tag name 'BilateralChestRise', field after 'Bilateral Breath Sounds?', tag name 'BilateralBreathSounds', field

Field Values

- **Y** Yes
- **N** No
- Added 'Absent Gastric Sounds?', tag name 'AbsentGastricSounds', field after 'Bilateral Chest Rise?', tag name 'BilateralChestRise', field

Field Values

- **Y** Yes
- **N** No
- Moved 'Ongoing Verification Time', tag name 'VerificationTime', from Ongoing Placement Confirmation and placed after 'Absent Gastric Sounds?', tag name 'AbsentGastricSounds'
- Added 'Dislodgement?', tag name 'Dislodgement', field after 'Ongoing Verification Time', tag name 'VerificationTime', field

Field Values

- **Y** Yes
- **N** No
- Added 'If Dislodgement After Placement, Successful Replacement?', tag name 'IfDislodgementSuccessfulReplacement', field after 'Dislodgement?', tag name 'Dislodgement', field

Field Values

- **Y** Yes
- **N** No

Ongoing Placement Confirmation

- Deleted 'Ongoing Verification Value', tag name 'VerificationValue'
- Removed Ongoing Placement Confirmation wrapper

Transport Information

3/31/2020

- Added the following to the 'Protocol', tag name 'Protocol', picklist:

- **1245 COVID**

12/01/2019

Validator Logic Rules

- Added logic rule:
 - Report error when first copy of **Protocol** is a null value and **RunType** is not="C" or "N"

04/30/2019

Data Submission Details

- Updated version to 'Version 8'

Validator Logic Rules

- Added logic rules:
 - Report error when first copy of **Complaint** is not= "OT" and value of "OT" is sent in subsequent copies of **Complaint**
 - If **RunType**= "C" or "N" or if **Via**= "A", "B", or "H", the only acceptable value for **AMA**, **ReleaseAtScene**, and **TreatRefer** is 'Not Applicable' (BIU=1)
 - Report error for blank/null values in **AMA**, **ReleaseAtScene**, and **TreatRefer** if **Via**= "N"
- Revised the following logic rules:
 - 'Report the "Invalid Date" error if year of **DateOfBirth** is less than 1890' to 'Report the "Invalid Date" error if year of **DateOfBirth** is less than 1900'
 - 'Report error for blank/null values in **LastName**, **FirstName**, **Complaint**, and **TeamMemberID** if **RunType**= "R" to 'Report error for blank/null values in **LastName**, **FirstName**, **Age**, **AgeUnit**, **Gender**, **Complaint**, **ProviderImpression**, and **TeamMemberID** if **RunType**= "R"
 - 'Report error for blank/null values of **Base**' to 'Report error for blank/null values of **MedCtrl**'
 - 'For **RunType**= "C" or "N", the only acceptable value for **Complaint** and **ProviderImpression** is 'Not Applicable' (BIU=1)' to 'For **RunType**= "C" or "N", the only acceptable value for **Age**, **AgeUnit**, **Gender**, **Complaint**, **ProviderImpression**, **MedCtrl**, and **Notification** is 'Not Applicable' (BIU=1)'
 - 'Report error if **Complaint** has a trauma value, excluding value= "NA", and **ProviderImpression** does not have a value= "CABT", "CAPT", "TRMA", or "BURN" to 'Report error if **Complaint** has a trauma value, excluding value= "NA", and **ProviderImpression** does not have a value= "CABT", "CAPT", "TRMA", "BURN", or "ELCT"
 - 'Report error if **ProviderImpression** has a value= "CABT", "CAPT", "TRMA", or "BURN" and **Complaint** does not have a trauma value' to 'Report error if **ProviderImpression** has a value= "CABT", "CAPT", "TRMA", "BURN", "ELCT" and **Complaint** does not have a trauma value'

Incident Information

- Changed the minimum value for 'Date', tag name 'IncidentDate', 'Dispatch Date', tag name 'DispatchDate', 'Arrival Date', tag name 'ArrivalDate', 'Date at Patient', tag name 'AtPatientDate', 'Left Date', tag name 'LeftSceneDate', 'At Fac Date', tag name 'AtFacilityDate', 'Fac Equip

Date', tag name 'OnFacilityEquipmentDate', and 'Avail Date', tag name 'AvailableDate' from 07/01/2013 to 07/01/2014

- Removed the following from the 'Provider', tag name 'Provider', picklist:
 - **AC** Americare Ambulance Service
 - **AM** Adult Medical Transportation
 - **EL** Elite Ambulance
 - **GC** Gentle Care Transport
 - **GR** Gentle Ride Transport
 - **HB** Hermosa Beach Fire
 - **MS** Medi-Star Transport
 - **PT** Priority One
 - **SC** Schaefer Ambulance
 - **ST** Star Medical Transportation, Inc.
 - **TL** TransLife, Inc.
- Added the following to the 'City', tag name 'IncidentCityCode', picklist:
 - **TR** Three Points
- Updated the long text of the following in the 'City', tag name 'IncidentCityCode', picklist:
 - **WT** Watts

Patient Assessment

- Added the following to the 'Gender', tag name 'Gender', picklist:
 - **N** Nonbinary
- Added the following to the 'Complaint', tag name 'Complaint', picklist:
 - **UB** Uncontrolled Bleeding
- Added the following to the 'Mechanism of Injury', tag name 'MechanismOfInjury', picklist:
 - **TA** Taser
- Moved 'Suspected ETOH?', tag name 'ETOHSuspected', from Special Circumstances and field placed before 'Suspected Drugs?', tag name 'DrugsSuspected'
- Added the following to the 'Suspected ETOH?', tag name 'ETOHSuspected', picklist:
 - **N** No

GCS/MLAPSS/LAMS

- Changed name to GCS and kept the following fields under this wrapper:
 - 'Glasgow Coma Scale – Time', tag name 'GCSTime'
 - 'Eye', tag name 'Eye'
 - 'Verbal', tag name 'Verbal'
 - 'Motor', tag name 'Motor'
 - 'GCS Total', tag name 'GCSTotal'
 - 'Normal For Patient/Age', tag name 'NormalForPtAge'

Stroke

- Added this wrapper after 'Normal For Patient/Age', tag name 'NormalForPtAge', and placed the following fields under this wrapper:
 - 'mLAPSS', tag name 'ModifiedLAPSScreen'
 - 'Last Known Well Date', tag name 'LastKnownWellDate'
 - 'Last Known Well Time', tag name 'LastKnownWellTime'
 - 'Last Known Well Date and Time Unknown', tag name 'LastKnownWellDateTimeUnk'

- 'Facial Droop', tag name 'FacialDroop'
- 'Arm Drift', tag name 'ArmDrift'
- 'Grip Strength', tag name 'GripStrength'
- 'Total Score', tag name 'TotalScore'

Special Circumstances

- Added the following to the 'Suspected Abuse/Neglect?', tag name 'AbuseSuspected', picklist:
 - **N** No
- Added 'Contacted Med. Circ. Support?', tag name 'ContactMCS', field after the 'Poison Control Contacted?', tag name 'PoisonControl', field

Field Values

- **Y** Yes
- **N** No

Therapies

- Moved 'Care Provided by PD', tag name 'CareByPD', from Therapy Details
 - Add the following to the 'Therapies', tag name 'Therapy', picklist:
 - **HM** Assisted with Home Meds

Therapy Details

- Added 'IO Site', tag name 'IOSite', field after 'IO Gauge', tag name 'IOGauge', field

Field Values

- **HU** Humerus
- **TA** Tibia
- Added 'Needle Thoracostomy Site', tag name 'NTSite', field after 'Total IV/IO Fluids Received', tag name 'TotalIVIOFluidsReceived', field

Field Values

- **2I** 2nd ICS
- **4I** 4th ICS
- Moved 'IV Fluids Received', tag name 'TotalIVfluidsReceived', from Transfer of Care and placed after 'IO Site', tag name 'IOSite'
- Changed name of 'IV Fluids Received', tag name 'TotalIVfluidsReceived', to 'Total IV/IO Fluids Received', tag name 'TotalIVIOFluidsReceived'

Transport

- Changed name of 'Base', tag name 'Base', to 'Med. Ctrl.', tag name 'MedCtrl'
- Removed the following from the 'Med. Ctrl.', tag name 'MedCtrl', picklist:
 - **CNA** Contact Not Attempted
 - **PRO** Protocol
- Updated the long text of the following in the 'Med. Ctrl.', tag name 'MedCtrl', picklist:
 - **AVH** Antelope Valley Medical Center to Antelope Valley Hospital
 - **HGH** Harbor UCLA Medical Center to LAC Harbor-UCLA Medical Center
 - **LCM** Providence Little Company of Mary Hospital Torrance to Providence Little Company of Mary Medical Center – Torrance
 - **QVH** Citrus Valley Medical Center Queen of the Valley Campus to Emanate Health Queen of the Valley Hospital
- Removed the following from the 'Protocol', tag name 'Protocol', picklist:

- **1247** Overdose/Poisoning (Suspected)
- **1248** Pain Management
- **1249** Respiratory Distress
- **1250** Seizure (Adult)
- **1251** Stroke/Acute Neurological Deficits
- **1252** Syncope
- **1261** Emergency Childbirth – Mother
- **1262** Emergency Childbirth – Newborn
- **1264** Pediatric Seizure
- **1271** Burns
- **1275** General Trauma
- **1277** Traumatic Arrest
- Removed the following from the 'Rec Fac', tag name 'ReceivingFacility', picklist:
 - **FHR** Friendly Hills Regional Medical Center (Orange County)
 - **LBC** Community Hospital of Long Beach
 - **TEM** Temple Community Hospital
- Updated the long text of the following in the 'Rec Fac', tag name 'ReceivingFacility', picklist:
 - **BMC** Brotman Medical Center to Southern California Hosp. at Culver City
 - **DHM** Doctor's Hospital of Montclair (San Bernardino County) to Montclair Hospital M.C. (S.B. County)
 - **FHP** Fountain Valley Hospital (Orange County) to Fountain Valley Regional Hosp. & M.C. (Orange County)
 - **ICH** Citrus Valley Medical Center – Inter-Community Campus to Emanate Health Inter-Community Hospital
 - **KFA** Kaiser Foundation-Baldwin Park to Kaiser Foundation Hospital – Baldwin Park
 - **KFB** Kaiser Permanente Downey Medical Center to Kaiser Foundation Hospital – Downey
 - **KFH** Kaiser Permanente South Bay Medical Center to Kaiser Foundation Hospital – South Bay
 - **KFI** Kaiser Permanente Irvine Medical Center to Kaiser Foundation Hospital – Irvine
 - **KFL** Kaiser Permanente Los Angeles Medical Center to Kaiser Foundation Hospital Sunset (LA)
 - **KFN** Kaiser Foundation Ontario (S.B. Co.) to Kaiser Foundation Hospital – Ontario (S.B. County)
 - **KFO** Kaiser Permanente Woodland Hills Medical Center to Kaiser Foundation Hospital – Woodland Hills
 - **KFP** Kaiser Permanente Panorama City Medical Center to Kaiser Foundation Hospital – Panorama City
 - **KFW** Kaiser Permanente West LA Medical Center to Kaiser Foundation Hospital – West Los Angeles
 - **LCH** Lancaster Community Hospital to Palmdale Regional Medical Center
 - **LCM** Providence Little Company of Mary Torrance to Providence Little Company of Mary Medical Center – Torrance

- **NOR** Norwalk Community Hospital to Los Angeles Community Hospital at Norwalk
- **OVM** LAC Olive View Medical Center to LAC Olive View-UCLA Medical Center
- **PLB** Pacific Hospital of Long Beach to College Medical Center
- **QVH** Citrus Valley Medical Center Queen of the Valley Campus to Emanate Health Queen of the Valley Hospital
- **SIM** Simi Valley Hospital (Ventura County) to Adventist Health – Simi Valley (Ventura County)
- **SJD** Saint Jude Medical Center (Orange County) to St. Jude Medical Center (Orange County)
- **SJO** Saint John Regional Medical Center (Ventura County) to St. John Regional Medical Center (Ventura County)
- **SMH** UCLA Medical Center, Santa Monica to Santa Monica-UCLA Medical Center
- **SPP** Providence Little Company of Mary San Pedro to Providence Little Company of Mary Medical Center – San Pedro
- **TRM** Providence Tarzana Medical Center Tarzana Campus to Providence Tarzana Medical Center
- **UCI** University of California Irvine (Orange County) to University of California – Irvine Medical Center (Orange County)
- **VHH** Verdugo Hills Hospital to USC Verdugo Hills Hospital

- Changed name of 'Pre-Notification?', tag name 'PreNotification', to 'Notification?', tag name 'Notification'
- Changed field values of 'Notification?', tag name 'Notification', to only allow common null values of 'Not Documented' (BIU=2) and 'Not Applicable' (BIU=1) and the following:

Field Values

- **Y** Yes
- **N** No
- Moved 'AMA?', tag name 'AMA', after 'Via', tag name 'Via'
- Added 'Release at Scene?', tag name 'ReleaseAtScene', field after 'AMA?', tag name 'AMA', field

Field Values

- **Y** Yes
- **N** No
- Added 'Treat & Refer?', tag name 'TreatRefer', field after 'Release at Scene?', tag name 'ReleaseAtScene', field

Field Values

- **Y** Yes
- **N** No

Patient Information

- Added the following to the 'City', tag name 'PatientCityCode', picklist:
 - **TR** Three Points
- Updated the long text of the following in the 'City', tag name 'PatientCityCode', picklist:
 - **WT** Watts County to Watts
- Added 'Hosp. Visit #', tag name 'VisitNo', field after 'Patient Zip Code', tag name 'PatientZipCode', field

Field Values

- Free text

Medication/Defibrillation

- Removed the following from the 'Rhythm', tag name 'Rhythm', picklist:
 - **EMD** Electro-Mechanical Dissociation
 - **UNK** Unable to determine
 - **OTH** Other
- Added the following to the 'Rhythm', tag name 'Rhythm', picklist:
 - **SA** Sinus Arrhythmia
- Removed the following from the 'Meds/Defib', tag name 'MedsDefib', picklist:
 - **D25** D25W
 - **D50** D50W
 - **DOP** Dopamine
- Added the following to the 'Meds/Defib', tag name 'MedsDefib', picklist:
 - **LID** Lidocaine
- Changed 'Dose', tag name 'Dose', to only accept positive numeric values
- Added 'Dose Units', tag name 'Dose Units', field after 'Dose', tag name 'Dose', field

Field Values

- **gm** grams
- **J** joules
- **mcg** micrograms
- **mEq** milliequivalent
- **mg** milligrams
- **mL** milliliter
- Removed the following from the 'Route', tag name 'Route', picklist:
 - **PB** Piggy Back

Cardiac Arrest

- Changed section name in data dictionary to Arrest Details to match wrapper name
- Removed the following from the 'Arrest Details/Reason for Withholding Resuscitation', tag name 'ArrestDetailsReasonForWithholding', picklist:
 - **PU** Pulses with CPR by EMS
 - **AS** Asystole

Advanced Life Support Continuation Form

- Changed section name in data dictionary to Advanced Life Support to match wrapper name
- Changed wrapper name from ALSAirway to AdvancedLifeSupport

Endotracheal Tube/King Airway

- Changed section name in data dictionary to Endotracheal Tube/King Airway to match wrapper name
- Changed wrapper name from EndotrachealTubeAttempts to EndotrachealTubeKingAirway and kept the following fields under this wrapper:
 - 'Endotracheal Tube Paramedic Number', tag name 'TMNumber'
 - 'Endotracheal Tube Success', tag name 'Success'
 - 'King Airway Paramedic Number', tag name 'TMNumber'
 - 'King Airway Success', tag name 'Success'

- 'ETT/King Airway Insertion Start Time', tag name 'TimeETorKingStarted'
- 'ETT/King Airway Insertion Success Time', tag name 'TimeETorKingSuccess'
- 'Endotracheal/King Tube Size', tag name 'ETTTubeSize'
- 'Difficult Airway Techniques', tag name 'DifficultAirwayTechniques'
- 'Tube Placement Mark at Teeth', tag name 'TubePlacementMarkAtTeeth'
- 'Complication(s) During Tube Placement', tag name 'ComplicationsDuringTubePlacement'
- Changed tag name for 'Endotracheal/King Tube Size', tag name 'ETTTubeSize', to 'ETKingTubeSize'
- Changed field values for 'Complication(s) During Tube Placement', tag name 'ComplicationsDuringTubePlacement' to the following:
 - **A** Anatomy
 - **C** Clenching
 - **E** Emesis
 - **G** Gastric Distention
 - **N** None
 - **R** Gag Reflex
 - **O** Other

Initial Airway Placement Confirmation

- Added this wrapper after 'Complication(s) During Tube Placement', tag name 'ComplicationsDuringTubePlacement', and placed the following fields under this wrapper:
 - 'Init. Adv. Airway Confirmation Technique', tag name 'InitialPlacementConfirmation'
 - 'Capnography Measurement', tag name 'CapnographyMeasurement'
 - 'EtCO₂ Detector Colorimetric', tag name 'ETCO2DetectorColormetric'

Ongoing Advanced Airway Placement Confirmation

- Changed section name in data dictionary to Ongoing Placement Confirmation to match wrapper name
- Changed the name of the wrapper from AirwayPlacementVerification to OngoingPlacementConfirmation
- Removed the following fields:
 - 'Time Care Transferred', tag name 'Time'
 - 'CO₂', tag name 'TransferofCareCO2'
 - 'O₂ Sat', tag name 'TransferofCareO2Sat'

Physician Verification of Tube Placement

- Changed section name in data dictionary to Verification of Advance Airway to match wrapper name
- Changed the name of the wrapper from PhysicianVerificationOfTubePlacement to VerificationAdvanceAirway

01/01/2019

Patient Assessment

- Added the following to the 'Gender', tag name 'Gender' picklist:
 - **N** Nonbinary

12/20/2018

Validator Logic Rules

- Revised logic rule that when **Complaint**= "NA", **MechanismOfInjury** must have a value and any value of **ProviderImpression** is acceptable. All other trauma values for **Complaint** must still have a **MechanismOfInjury** and **ProviderImpression**= "CABT", "CAPT", "TRMA", or "BURN"
- Revised logic rule that when **RunType**= "C" or "N", the only acceptable value for **Complaint**, **ProviderImpression**, and **Base** is 'Not Applicable' (BIU=1)

10/18/2018 Validator Logic Rules

- Added logic rules:
 - Report error if **DateofBirth** is after **IncidentDate**
 - Report error for blank/null values or value= "OT" in first copy of **Provider**
 - Report error for duplicate copies of the same **ProviderImpression**
 - Report error for duplicate copies of the same **MechanismOfInjury**
 - Report error if **MechanismOfInjury** only has values="AC", "SC", or any combination of the two only
 - Report error if **ProviderImpression** has a value= "CABT", "CAPT", "TRMA", or "BURN" and **Complaint** does not have a trauma value
 - Report error if **Complaint** has a trauma value and **ProviderImpression** does not have a value= "CABT", "CAPT", "TRMA", or "BURN"
 - Report error if a negative value is received for the following fields:
 - **IncidentNumber**
 - **JurisdictionalStation**
 - **Unit**
 - **IncidentStreetNumber**
 - **PatientStreetNumber**
 - **IncidentZipcode**
 - **PatientZipcode**
 - **TeamMemberID**
 - **IncidentAptNumber**
 - **PatientAptNumber**
 - **Age**
 - **Weight**
 - **WksIUP**
 - **GCSTotal**
 - **TotalGCSUponTransfer**
 - **SBP**
 - **DBP**
 - **Pulse**
 - **RespRate**
 - **O2Sat**
 - **CO2**
 - **ArresttoCPR**
 - **TotalIVfluidsReceived**
 - **IVGauge**
 - **IOGauge**
 - **TranscutaneousCurrent**
 - **TranscutaneousRate**

- **TMNumber**
- **TubePlacementMarkAtTeeth**
- **CapnographyMeasurement**
- Report error if the following values are received for **IncidentSceneGPSLocation**:
 - Positive longitude
 - Negative latitude
 - Longitude=0
 - Latitude=0
 - Single digit for longitude or latitude

Incident Information

- Added the following to the 'Run Type', tag name 'RunType', picklist:
 - **M** Mutual Aid
- Removed the following from the 'City', tag name 'IncidentCityCode', picklist:
 - **LG** Lake Hughes

Patient Assessment

- Added the following from the 'Complaint', tag name 'Complaint', picklist:
 - **CB** Critical Burn
- Moved 'Suspected Drugs?', tag name 'DrugsSuspected' from Special Circumstances and placed after 'Allergic to ASA?', tag name 'AllergicASA' field
- Added 'If Yes', tag name 'IfYes', field after 'DrugsSuspected' field

Field Values

- **AMP** Amphetamines
- **HER** Heroin
- **COC** Cocaine
- **THC** Cannabis
- **OOP** Other Opioid
- Added 'Route', tag name 'Route', field after 'IfYes', tag name 'IfYes', field

Field Values

- **INJ** Injected
- **ING** Ingested
- **INH** Inhaled
- **OTH** Other

Therapy Details

- Removed the following from the 'Care Provided by PD', tag name 'CareByPD', picklist:
 - **OT** Other

Transport

- Added the following to the 'Base', tag name 'Base', picklist:
 - **MDS** Medical Director/EMS Fellow on Scene
 - **MTP** Medical Treatment Protocol
- Updated the long text of the following in the 'Base', tag name 'Base', and 'Rec Fac', tag name 'ReceivingFacility', picklists:
 - **CAL** Dignity Health-California Hospital Medical Center
 - **GWT** Adventist Health-Glendale
 - **NRH** Dignity Health-Northridge Hospital Medical Center
 - **SMM** Dignity Health-Saint Mary Medical Center

- Updated the long text of the following in the 'Rec Fac', tag name 'ReceivingFacility' picklist:
 - GMH Dignity Health-Glendale Memorial Hospital and Health Center
 - WMH Adventist Health-White Memorial
 - Added 'Pre-Notification?', tag name 'PreNotification', field after the 'Receiving Facility', tag name 'ReceivingFacility' field
- Field Values**
- **Y** Yes
 - **N** No

Patient Information

- Removed the following from the 'City', tag name 'PatientCityCode', picklist:
 - **LG** Lake Hughes

Endotracheal Tube/King Airway

- Removed the following from the 'Difficult Airway Techniques', tag name 'DifficultAirwayTechniques', picklist:
 - **CP** Cricoid Pressure

05/02/2018

Transport

- Added the following to the 'Protocol', tag name 'Protocol', picklist:

1201	Assessment	1202-P	General Medical (Pediatric)
1203	Diabetic Emergencies	1203-P	Diabetic Emergencies (Pediatric)
1204	Fever/Sepsis	1204-P	Fever/Sepsis (Pediatric)
1205	GI/GU Emergencies	1205-P	GI/GU Emergencies (Pediatric)
1206	Medical Device Malfunction	1206-P	Medical Device Malfunction (Pediatric)
1207	Shock/Hypotension	1207-P	Shock/Hypotension (Pediatric)
1208	Agitated Delirium	1208-P	Agitated Delirium (Pediatric)
1209	Behavioral/Psychiatric Crisis	1210-P	Cardiac Arrest (Pediatric)
1211	Cardiac Chest Pain	1212-P	Cardiac Dysrhythmia-Bradycardia (Pediatric)
1213	Cardiac Dysrhythmia-Tachycardia	1213-P	Cardiac Dysrhythmia-Tachycardia (Pediatric)
1214	Pulmonary Edema/CHF	1215-P	Childbirth (Mother) (Pediatric)
1215	Childbirth (Mother)	1216-P	Newborn/Neonatal Resuscitation (Pediatric)
1217	Pregnancy Complication	1217-P	Pregnancy Complication (Pediatric)
1218	Pregnancy/Labor	1218-P	Pregnancy/Labor (Pediatric)
1219	Allergy	1219-P	Allergy (Pediatric)
1220	Burns	1220-P	Burns (Pediatric)
1221	Electrocution	1221-P	Electrocution (Pediatric)
1222	Hyperthermia (Environmental)	1222-P	Hyperthermia (Environmental) (Pediatric)
1224	Stings/Venomous Bites	1223-P	Hypothermia/Cold Injury (Pediatric)
1225	Submersion	1224-P	Stings/Venomous Bites (Pediatric)
1226	ENT/Dental Emergencies	1225-P	Submersion (Pediatric)
1228	Eye Problem	1226-P	ENT/Dental Emergencies (Pediatric)
1229	ALOC	1228-P	Eye Problem (Pediatric)
1230	Dizziness/Vertigo	1229-P	ALOC (Pediatric)
1231	Seizure	1230-P	Dizziness/Vertigo (Pediatric)
1232	Stroke/CVA/TIA	1231-P	Seizure (Pediatric)
1233	Syncope/Near Syncope	1232-P	Stroke/CVA/TIA (Pediatric)
1234	Airway Obstruction	1233-P	Syncope/Near Syncope (Pediatric)
1236	Inhalation Injury	1234-P	Airway Obstruction (Pediatric)
1237	Respiratory Distress	1235-P	BRUE (Pediatric)
1238	Carbon Monoxide Exposure	1236-P	Inhalation Injury (Pediatric)
1239	Dystonic Reaction	1237-P	Respiratory Distress (Pediatric)
1240	HazMat	1238-P	Carbon Monoxide Exposure (Pediatric)
		1239-P	Dystonic Reaction (Pediatric)
		1240-P	HazMat (Pediatric)
		1241-P	Overdose/Poisoning/Ingestion (Pediatric)
		1242-P	Crush Injury/Syndrome (Pediatric)

1243-P Traumatic Arrest (Pediatric)
1244-P Traumatic Injury (Pediatric)

- Updated the long text of the following in the 'Protocol', tag name 'Protocol', picklist:
 - **1202** General Medical
 - **1212** Cardiac Dysrhythmia-Bradycardia
 - **1223** Hypothermia/Cold Injury
 - **1241** Overdose/Poisoning/Ingestion
 - **1242** Crush Injury/Syndrome
 - **1243** Traumatic Arrest
 - **1244** Traumatic Injury

04/06/2018 Patient Assessment

- Updated the long text of the following in the 'Impression', tag name 'ProviderImpression', picklist:
 - **SHOK** Shock
- Added the following to the 'Impression', tag name 'ProviderImpression', picklist:
 - **HOTN** Hypotension

05/04/2017 Data Submission Details

- Removed Avail Date, tag name AvailableDate, and Avail Time, tag name AvailableTime as a non-nullable field in the Incident Information section

Validator Logic Rules

- Revised logic rule for **Complaint** and **ProviderImpression** fields to exclude **RunType**= "C" or "N"
- Revised logic rule that when **RunType**= "C" or "N", the only acceptable value for **Complaint** and **ProviderImpression** is 'Not Applicable' (BIU=1)

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INSTRUCTIONS

Title Name of the Data Element

Tag Name XSD Data Identifier

Definition Description of what the data element will contain

Technical Information This section should be reviewed by IT staff

XSD Data Type	Required in XSD
Multiple Entry Configuration	Accepts Null Value
Minimum Constraint	Maximum Constraint

Field Values The values or code set (variables) associated with the data element

Additional Information Any additional information that may be needed to explain the data element and how it may be utilized

Data Source Hierarchy Description of where the data is obtained from

Other Associated Elements Tag names of other fields that are related to the particular data element

DATA SUBMISSION DETAILS

The LA-EMS Data Dictionary, LA-EMS XSD, LA-EMS XSD Validator and LA-EMS Sample XML can be found on the Lancet website at:

- <https://lancet.brickftp.com/f/196ff7f4218a124e>

Format XML

Version 11

Volume per Submission Maximum 5,000 patients per file

Naming Convention: (2 letter Provider Code) + (4 digit year) + (2 digit month) + (2 digit day) + (2 digit hour) + (2 digit minute) + (2 digit second) example: AA20110907134256. **All files not sent in this format will not be imported and will be sent back for correction.**

Data Submission Via Secure File Transfer Protocol (SFTP) - contact Chief, Data Management for specifics

Submission Frequency Minimum of 45 days after the month of occurrence

Additional Information

- Use the 2-letter provider code issued by the EMS Agency
- Hour is recorded using 24-hour clock
- Non-nullable fields in the Incident Information or Transport sections:

Sequence Number, tag name SequenceNumber	Date, tag name IncidentDate	Run Type, tag name RunType
City, tag name IncidentCityCode	Prov, tag name Provider	Disp Date, tag name DispatchDate
Disp, tag name DispatchTime	Via, tag name Via	MCI?, tag name MCI
Team Member ID, tag name TeamMemberID		

VALIDATOR LOGIC RULES

Version 11.0.128

- Check for MOD-9 validation if **SequenceNumber** is eight (8) characters in length
- Report Error for Blank/Null Values in **LocationCode** and **PDOOnScene** if any copy of **ProviderImpression** has a value = "AGDE", "BURN", "CABT", "CANT", "CAPT", "DCON", "DEAD", "DRWN", "ELCT", "ODPO", "PSYCH", or "TRMA"
- For **Route** = "LB", the only acceptable value for **Meds** is "NAR"
- Report the "Invalid Date" Error if year of **DateOfBirth** is less than 1910
- Report Error if **DateofBirth** is after **IncidentDate**
- Report Error if **IncidentDate** is 5 years prior to the Validation Date
- Report Error for Blanks/Null Values in **LastName**, **FirstName**, **Age**, **AgeUnit**, **Gender**, **Complaint**, **ProviderImpression**, **MedCtrl**, **Protocol**, and **TeamMemberID** if **RunType** = "R"
- Report Error for Blank/Null values or value = "OT" in first copy of **Provider**
- Report Error for Blank/Null values in the first copy of **TeamMemberID**
- Report Error if **Via** = "N" and **ReceivingFacility** and/or **TransportedTo** have valid values
- Check for Blank/Null Values in **ReceivingFacility** and **TransportedTo** and report error if **Via** = 'A', 'B' or 'H'
- For **RunType** = "C", "E", or "N" or **Via** = "A", "B", or "H", the only acceptable value for **AMA**, **AssessTreatRelease**, **AssessTreatTransfer**, and **TreatInPlace** is 'Not Applicable' (BIU=1)
- Report Error for Blank/Null Values in **AdvancedProviderLevel** if **TreatInPlace** has a value= ""Y""
- Report Error for Blank/Null Values in **AMA**, **AssessTreatRelease**, **AssessTreatTransfer**, and **TreatInPlace** if **Via** = "N" except when **RunType** = "C", "E", or "N"
- If **Via** = "N" except when **RunType** = "C", "E", or "N", only one of the values for **AMA**, **AssessTreatRelease**, **AssessTreatTransfer**, and **TreatInPlace** can be "Y" and the only acceptable value for the remaining fields is "N"
- Report Error for Blank/Null values in the first copy of **Complaint** except when **RunType**= "C", "E", or "N"

- For **RunType** = "C", "E", or "N", the only acceptable value for **Age**, **AgeUnit**, **Gender**, **Complaint**, **ProviderImpression**, **MedCtrl**, **Notification**, and **Protocol** is 'Not Applicable' (BIU=1)
- Report Error for Blank/Null values in the first copy of **ProviderImpression** except when **RunType** = "C", "E", or "N"
- Report Error for "OT" in the first copy of **Complaint** with valid values in other copies
- Report Error for duplicate copies of same **Complaint** value
- Report Error for duplicate copies of same **ProviderImpression** value
- Report Error for duplicate copies of same **MechanismOfInjury** value
- Report Error if **MechanismOfInjury** only has values = "AC", "SC", or any combination of the two only
- Report Error for Blank/Null Values in **MechanismOfInjury** if a Trauma Complaint is present under **Complaint**
- Report Error if **MechanismOfInjury** has a valid non-null value and no Trauma Complaint is present under **Complaint**
- Report Error if only copy of **Complaint** = "OT" when a valid non-null value is present under **MechanismOfInjury**
- Report Error if **ProviderImpression** has a value = "CABT", "CAPT", "TRMA", "BURN", or "ELCT" and **Complaint** does not have a trauma value
- Report Error if **Complaint** has a trauma value, excluding value = "NA", and **ProviderImpression** does not have a value= "CABT", "CAPT", "TRMA", "BURN", or "ELCT"
- Report Error for Blank/Null Values in **DPHNotified** if **ProviderImpression** = "DRWN"
- For **Meds** = "PAS", "PNA", or "PEP", the only acceptable value for **Route** is "TA"
- For **Route** = "TA", the only acceptable value for **Meds** is "PAS", "PNA", or "PEP"
- Report Error for Blank/Null Values in **WhoFirstAppliedAED** if **AEDApplied** = "YWD" or "YWO"
- Report Error for Blank/Null Values in **FirstArrestRhythm** if **ProviderImpression**= "CANT", "CABT", or "CAPT" except when **ProviderImpression**= "CABT" or "CAPT" and **ReasonForWithholding** has a non-null value
- Report Error if **O2Sat** or **TransferofCareO2Sat** value received is negative or greater than 100. Value must be between 0-100.

- Multi-valued fields: If there are values in the first set of data, then no nulls are needed in the other copies
- Report Error if a negative value is received for the following fields:
 - **IncidentNumber**
 - **Unit**
 - **IncidentStreetNumber**
 - **PatientStreetNumber**
 - **IncidentZipcode**
 - **PatientZipcode**
 - **TeamMemberID**
 - **IncidentAptNumber**
 - **PatientAptNumber**
 - **PatientNumber**
 - **TotalPatients**
 - **NumberOfPatientsTransported**
 - **Age**
 - **Weight**
 - **WksIUP**
 - **GCSTotal**
 - **TotalGCSUponTransfer**
 - **SBP**
 - **DBP**
 - **Pulse**
 - **RespRate**
 - **O2Sat**
 - **Temp**
 - **CO2**
 - **ArresttoCPR**
 - **TotalIVIOFluidsReceived**
 - **TranscutaneousCurrent**
 - **TranscutaneousRate**
 - **TMNumber**
 - **AirwayDeviceSize**
 - **TubePlacementMarkAtTeeth**
 - **CapnographyMeasurement**
 - **Joules**
- Report Error if the following values are received for **IncidentSceneGPSLocation**:
 - Negative latitude
 - Positive longitude
 - Latitude=0 or other single digit
 - Longitude=0 or other single digit

COMMON NULL VALUES

Definition

These values are to be used with each of the Los Angeles Emergency Medical Services Data Elements described in this document which have been defined to accept the Null Values.

Field Values

- Not Applicable: BIU = 1
- Not Documented: BIU = 2

Additional Information

- For any collection of data to be of value and reliably represent what was intended, a strong commitment must be made to ensure the correct documentation of incomplete data. When data elements associated with the LA-EMS Registry are to be electronically stored in a database or moved from one database to another using XML, the indicated null values should be applied.
- Not Applicable: This null value code applies if, at the time of patient care documentation, the information requested was “Not Applicable” to the patient or the patient care event. For example, Pediatric Weight Color Code would be “Not Applicable” if a patient was greater than fourteen years of age.
- Not Documented: This null value applies if, at the time of patient care documentation, information was “Not Known” (to the patient, family, health care provider) or no value for the element was recorded for the patient. This documents that there was an attempt to obtain the information but it was unknown by all parties or the information was missing at the time of documentation. For example, Not Documented should also be coded when documentation was expected, but none was provided (i.e., no distress level recorded).

INCIDENT INFORMATION

SEQUENCE NUMBER

Tag Name

- SequenceNumber

Definition

- Unique, alphanumeric EMS record number found pre-printed at the top right corner of paper EMS Report Form hard copies or electronically assigned to electronic patient care records (ePCRs) by the EMS provider's electronic capture device

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	No
Minimum Constraint	8	Maximum Constraint	12

Field Values

- Providers utilizing field electronic data capture devices will have a 12 alpha-numeric value, always beginning with the two-letter provider code followed by the two-digit year
- Providers utilizing EMS Report Form hard copies and submitting data electronically will have an 8 alpha-numeric value divisible by 9

Additional Information

- **REQUIRED** for all records
- This is a unique number to the EMS Agency and must be provided to create a unique record ID within the EMS Database

Data Source Hierarchy

- Auto-generated by the EMS provider's electronic capture device
- EMS Report Form

ORIG. SEQ.

Tag Name

- OriginalSequenceNumber

Definition

- Unique, alphanumeric EMS record number found pre-printed at the top right corner of paper EMS Report Form hard copies or electronically assigned to ePCRs by the EMS provider's electronic capture device utilized by the originating provider

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values
Minimum Constraint	8	Maximum Constraint	12

Field Values

- Providers utilizing field electronic data capture devices will have a 12 alpha-numeric value, always beginning with the two-letter provider code followed by the two-digit year
- Providers utilizing EMS Report Form hard copies and submitting data electronically will have an 8 alpha-numeric value divisible by 9

Additional Information

- Utilized when there is more than one provider and more than one EMS record is started.

Data Source Hierarchy

- Auto-generated by the EMS provider's electronic capture device
- EMS Report Form

DATE

Tag Name

- IncidentDate

Definition

Date provider was notified of the incident

Technical Information

XSD Data Type	xs:date	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	No
Minimum Value	07/01/2016	Maximum Value	Current Date

Field Values

- Collected as standard XML format YYYY-MM-DD

Additional Information

- Must be within five (5) years of date record validated

Data Source Hierarchy

- 9-1-1 or Dispatch Center
- EMS Provider

INC

Tag Name

- IncidentNumber

Definition

The incident number assigned by the 911 or Dispatch Center

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values
Minimum Constraint	1	Maximum Constraint	15

Field Values

- Free text

Additional Information

- Positive numeric values only

Data Source Hierarchy

- 9-1-1 or Dispatch Center

Other Associated Elements

- Common Null Values

LOCATION CODE

Tag Name

- LocationCode

Definition

The two-letter code indicating where the incident occurred

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values
Minimum Constraint	2	Maximum Constraint	2

Field Values

AI	Airport/Transport Center	ON	Ocean
AM	Ambulance	PA	Park
BA	Beach	PL	Parking Lot
CL	Cliff/Canyon	PO	Swimming Pool
CO	Private Commercial Establishment	PS	Psych Urgent Care
DC	Dialysis Center	PV	Public Venue/Event
DO	Healthcare Provider's Office/Clinic	RA	Recreational Area
FA	Farm/Ranch	RE	Restaurant
FR	Freeway	RI	Residential Institution
FS	Fire Station	RL	Religious Building
GY	Health Club/Gym	RS	Retail/Store
HO	Home	RT	Railroad Track
HT	Hotel	RV	River
IN	Industrial/Construction area	SB	Sobering Center
JA	Jail	SC	School/College/University
LA	Lake	ST	Street/Highway
MB	Military Base	UC	Urgent Care
MC	Hospital/Medical Center	WI	Wilderness Area
NH	Nursing Home	OT	Other
OF	Office		

Data Source Hierarchy

- 9-1-1 or Dispatch Center
- EMS Provider

Other Associated Elements

- Common Null Values

PD ON SCENE?

Tag Name

- PDOnScene

Definition

Checkbox indicating that a law enforcement agency responded to the incident

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values
Minimum Constraint	1	Maximum Constraint	1

Field Values

- **Y** Yes
- **N** No

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- PD
- PDUnit
- PDActions
- Common Null Values

PD

Tag Name

- PD

Definition

Three- or four-letter code of the law enforcement agency responding to the incident

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values
Minimum Constraint	3	Maximum Constraint	4

Field Values

ALPD	Alhambra PD	GAPD	Gardena PD	MRPD	Monrovia PD
ARPD	Arcadia PD	GLPD	Glendale PD	PAPD	Pasadena PD
AZPD	Azusa PD	GOPD	Glendora PD	POLA	Port of LA PD
BEPD	Bell PD	HAPD	Hawthorne PD	POPD	Pomona PD
BGPD	Bell Gardens PD	HBPD	Hermosa Beach PD	PVPD	Palos Verdes Estates PD
BHPD	Beverly Hills PD	HPPD	Huntington Park PD	RBDP	Redondo Beach PD
BPPD	Baldwin Park PD	INPD	Inglewood PD	SAPD	San Marino PD
BUPD	Burbank PD	IRPD	Irwindale PD	SFPD	San Fernando PD
CAPD	Campus PD	LAAP	LA Airport Police	SGPD	San Gabriel PD
CCPD	Culver City PD	LACS	LA County Sheriff	SHPD	Signal Hill PD
CHP	California Highway Patrol	LAPD	Los Angeles PD	SIPD	Sierra Madre PD
CLPD	Claremont PD	LAPR	LA City Park Ranger	SMPD	Santa Monica PD
COPD	Covina PD	LBPD	Long Beach PD	SPPD	South Pasadena PD
CPD	Los Angeles County PD	LHPD	La Habra PD	STPD	South Gate PD
DFW	Department of Fish and Wildlife	LVPD	La Verne PD	TPD	Torrance PD
DOPD	Downey PD	MBPD	Manhattan Beach PD	VPD	Vernon PD
EMPD	El Monte PD	MOPD	Montebello PD	WCPD	West Covina PD
ESPD	El Segundo PD	MPPD	Monterey Park PD	WPD	Whittier PD

Additional Information

- Law enforcement agencies are not considered EMS providers and therefore do not have a two-letter provider code. Please do not attempt to list them as a provider.

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- PDOnScene
- PDUnit
- PDActions
- Common Null Values

PD UNIT

Tag Name

- PDUnit

Definition

The unit number/designation of the law enforcement agency on scene of the incident

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values
Minimum Constraint	1	Maximum Constraint	20

Field Values

- Free text

Data Source Hierarchy

- EMS Provider
- Law Enforcement Agency

Other Associated Elements

- PDOnScene
- PD
- PDActions
- Common Null Values

PD ACTIONS

Tag Name

- PDActions

Definition

Checkbox indicated what procedure(s) were performed on the patient by members of law enforcement prior to EMS arrival

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	Yes	Accepts Null	Yes, common null values
Minimum Constraint	2	Maximum Constraint	2

Field Values

AE	AED Placement	HD	Hemostatic Dressing	TA	CEW (e.g. Taser®)
AS	AED Shock	NC	Narcan	TQ	Tourniquet
CP	CPR	RE	Restraints		

Additional Information

- Max occurrence for this field is 8

Data Source Hierarchy

- EMS Provider
- Law Enforcement Agency

Other Associated Elements

- PDOnScene
- PD
- PDUnit
- Common Null Values

MCI?

Tag Name

- MCI

Definition

Field indicating whether the incident involved three or more patients

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	No
Minimum Constraint	1	Maximum Constraint	1

Field Values

- Y Yes
- N No

Data Source Hierarchy

- EMS Provider

RUN TYPE

Tag Name

- RunType

Definition

The level of service required of the EMS provider

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	No
Minimum Constraint	1	Maximum Constraint	1

Field Values

R Regular Run	N No Contact/No Pt.
D Dead on Arrival	B Public Assist
C CX at Scene	F Fireline
I Inter-facility Transfer	M Mutual Aid
E Person Found/No Pt.	L Lift Assist

Additional Information

- If Run Type is **R** then the following data elements are **REQUIRED**:
 - Age
 - Age Unit
 - Gender
 - Complaint
 - Provider Impression
 - Team Member ID
 - Protocol
 - Med. Ctrl.
 - Patient Last Name
 - Patient First Name

Data Source Hierarchy

- EMS Provider
- Auto-generated by the EMS Provider's software

Other Associated Elements

- Age
- AgeUnit
- Gender
- Complaint
- ProviderImpression
- TeamMemberID
- Protocol
- MedCtrl
- PatientFirstName
- PatientLastName

STREET NUMBER

Tag Name

- IncidentStreetNumber

Definition

The street number of the incident location

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values
Minimum Constraint	1	Maximum Constraint	10

Field Values

- Free text

Additional Information

- Positive numeric values only

Data Source Hierarchy

- 9-1-1 or Dispatch Center

Other Associated Elements

- IncidentStreetName
- IncidentAptNumber
- IncidentCityCode
- IncidentZipCode
- IncidentSceneGPSLocation
- Common Null Values

STREET

Tag Name

- IncidentStreetName

Definition

The name of the street where the incident occurred

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values
Minimum Constraint	1	Maximum Constraint	40

Field Values

- Free text

Data Source Hierarchy

- 9-1-1 or Dispatch Center

Other Associated Elements

- IncidentStreetNumber
- IncidentAptNumber
- IncidentCityCode
- IncidentZipCode
- IncidentSceneGPSLocation
- Common Null Values

APT

Tag Name

- IncidentAptNumber

Definition

The apartment number of the incident location

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values
Minimum Constraint	1	Maximum Constraint	20

Field Values

- Free text

Data Source Hierarchy

- 9-1-1 or Dispatch Center

Other Associated Elements

- IncidentStreetNumber
- IncidentStreetName
- IncidentCityCode
- IncidentZipCode
- IncidentSceneGPSLocation
- Common Null Values

CITY

Tag Name

- IncidentCityCode

Definition

The city code of the incident location

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	No
Minimum Constraint	2	Maximum Constraint	2

Field Values

AA	Arleta	CC	Culver City	GH	Granada Hills
AC	Acton	CE	Cerritos	GK	Glenoaks
AD	Altadena	CH	Chatsworth	GL	Glendale
AE	Arlington Heights	CI	Chinatown	GO	Gorman
AG	Agua Dulce	CK	Charter Oak	GP	Glassell Park
AH	Agoura Hills	CL	Claremont	GR	Green Valley
AL	Alhambra	CM	Compton	GV	Glenview
AN	Athens	CN	Canyon Country	GW	Glendora
AO	Avocado Heights	CO	Commerce	HA	Hawthorne
AR	Arcadia	CP	Canoga Park	HB	Hermosa Beach
AT	Artesia	CR	Crenshaw	HC	Hacienda Heights
AV	Avalon	CS	Castaic	HE	Harvard Heights
AW	Atwater Village	CT	Century City	HG	Hawaiian Gardens
AZ	Azusa	CU	Cudahy	HH	Hidden Hills
BA	Bel Air Estates	CV	Covina	HI	Highland Park
BC	Bell Canyon	CY	Cypress Park	HK	Holly Park
BE	Bellflower	DB	Diamond Bar	HO	Hollywood
BG	Bell Gardens	DO	Downey	HP	Huntington Park
BH	Beverly Hills	DS	Del Sur	HR	Harbor City
BK	Bixby Knolls	DU	Duarte	HV	Hi Vista
BL	Bell	DZ	Dominguez	HY	Hyde Park
BN	Baldwin Hills	EL	East Los Angeles	IG	Inglewood
BO	Bouquet Canyon	EM	El Monte	IN	City of Industry
BP	Baldwin Park	EN	Encino	IR	Irwindale
BR	Bradbury	EO	El Sereno	JH	Juniper Hills
BS	Belmont Shore	EP	Echo Park	JP	Jefferson Park
BT	Bassett	ER	Eagle Rock	KG	Kagel Canyon
BU	Burbank	ES	El Segundo	KO	Koreatown
BV	Beverly Glen	EV	Elysian Valley	LA	Los Angeles
BX	Box Canyon	EZ	East Rancho Dominguez	LB	Long Beach
BW	Brentwood	FA	Fairmont	LC	La Canada Flintridge
BY	Boyle Heights	FL	Florence County	LD	Ladera Heights
BZ	Byzantine-Latino Quarter	FO	Fair Oaks Ranch	LE	Leona Valley
CA	Carson	GA	Gardena	LF	Los Feliz
CB	Calabasas	GF	Griffith Park	LH	La Habra Heights

LI	Little Rock	PC	Pacoima	SU	Sunland
LK	Lakewood	PD	Palmdale	SV	Stevenson Ranch
LL	Lake Los Angeles	PE	Pacific Palisades	SW	Sawtelle
LM	La Mirada	PH	Pacific Highlands	SX	South Central County
LN	Lawndale	PI	Phillips Ranch	SY	Sylmar
LO	Lomita	PL	Playa Vista	SZ	Studio City
LP	La Puente	PM	Paramount	TA	Tarzana
LQ	LAX	PN	Panorama City	TC	Temple City
LR	La Crescenta	PO	Pomona	TD	Tropico
LS	Los Nietos	PP	Palos Verdes Peninsula	TE	Topanga State Park
LT	Lancaster	PR	Pico Rivera	TH	Thousand Oaks
LU	Lake Hughes	PS	Palms	TI	Terminal Island
LV	La Verne	PT	Porter Ranch	TJ	Tujunga
LW	Lake View Terrace	PV	Palos Verdes Estates	TL	Toluca Lake
LX	Lennox	PY	Playa Del Rey	TO	Torrance
LY	Lynwood	QH	Quartz Hill	TP	Topanga
LZ	Lake Elizabeth	RB	Redondo Beach	TR	Three Points
MA	Malibu	RC	Roosevelt Corner	TT	Toluca Terrace
MB	Manhattan Beach	RD	Rancho Dominguez	UC	Universal City
MC	Malibu Beach	RE	Rolling Hills Estates	UP	University Park
MD	Marina Del Rey	RH	Rolling Hills	VA	Valencia
ME	Monte Nido	RK	Rancho Park	VC	Venice
MG	Montecito Heights	RM	Rosemead	VE	Vernon
MH	Mission Hills	RO	Rowland Heights	VG	Valley Glen
MI	Mint Canyon	RP	Rancho Palos Verdes	VI	Valley Village
ML	Malibu Lake	RS	Reseda	VL	Valinda
MM	Miracle Mile	RV	Rampart Village	VN	Van Nuys
MN	Montrose	RW	Rosewood	VV	Val Verde
MO	Montebello	SA	Saugus	VW	View Park
MP	Monterey Park	SB	Sandberg	VY	Valyermo
MR	Mar Vista	SC	Santa Clara	WA	Walnut
MS	Mount Wilson	SD	San Dimas	WB	Willowbrook
MT	Montclair	SE	South El Monte	WC	West Covina
MU	Mount Olympus	SF	San Fernando	WE	West Hills
MV	Monrovia	SG	San Gabriel	WG	Wilsona Gardens
MW	Maywood	SH	Signal Hill	WH	West Hollywood
MY	Metler Valley	SI	Sierra Madre	WI	Whittier
NA	Naples	SJ	Silver Lake	WK	Winnetka
NE	Newhall	SK	Sherman Oaks	WL	Woodland Hills
NH	North Hollywood	SL	Sun Valley	WM	Wilmington
NN	Neenach	SM	Santa Monica	WN	Windsor Hills
NO	Norwalk	SN	San Marino	WO	Westlake
NR	Northridge	SO	South Gate	WP	Walnut Park
NT	North Hills	SP	South Pasadena	WR	Westchester
OP	Ocean Park	SQ	Sleepy Valley	WS	Windsor Square
OT	Other	SR	San Pedro	WT	Watts
PA	Pasadena	SS	Santa Fe Springs	WV	Westlake Village
PB	Pearblossom	ST	Santa Clarita	WW	Westwood

Data Source Hierarchy

- 9-1-1 or Dispatch Center
- EMS Provider

Other Associated Elements

- IncidentStreetName
- IncidentStreetNumber
- IncidentAptNumber
- IncidentZipCode
- IncidentSceneGPSLocation
- Common Null Values

INCIDENT ZIP CODE

Tag Name

- IncidentZipcode

Definition

The zip code of the incident location

Technical Information

XSD Data Type	xs:nonNegativeInteger	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values
Minimum Constraint	5	Maximum Constraint	5

Field Values

- Five-digit positive numeric value

Data Source Hierarchy

- 9-1-1 or Dispatch Center

Other Associated Elements

- IncidentStreetName
- IncidentStreetNumber
- IncidentAptNumber
- IncidentCityCode
- IncidentSceneGPSLocation
- Common Null Values

SCENE GPS LOCATION

Tag Name

- IncidentSceneGPSLocation

Definition

The global positioning system (GPS) coordinates for the incident location

Technical Information

XSD Data Type	xs:decimal	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values

Field Values

- Numeric values only

Additional Information

- Also known as “lat/long”
- Collected as decimal degrees. For example, 33.944191/ -118.080833 indicates the address of 10100 Pioneer Boulevard, Santa Fe Springs, CA.
- Positive longitude, negative latitude, longitude=0, latitude=0 or other single digit latitude or longitude values will not be accepted

Data Source Hierarchy

- 9-1-1 or Dispatch Center

Other Associated Elements

- IncidentStreetName
- IncidentStreetNumber
- IncidentAptNumber
- IncidentCityCode
- IncidentZipCode
- Common Null Values

PATIENT INFORMATION

LAST NAME

Tag Name

- LastName

Definition

The patient's last name

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values
Minimum Constraint	1	Maximum Constraint	25

Field Values

- Free text

Additional Information

- If Run Type= "R", then the patient's last name must be documented
- If patient's last name is unknown, should be documented as "Doe"

Data Source Hierarchy

- Patient
- Family Member
- Caretaker

Other Associated Elements

- RunType
- FirstName
- Common Null Values

FIRST NAME

Tag Name

- FirstName

Definition

The patient's first name

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values
Minimum Constraint	1	Maximum Constraint	15

Field Values

- Free text

Additional Information

- If Run Type= "R", then the patient's first name must be documented
- If patient's first name is unknown, should be documented as "John" or "Jane"

Data Source Hierarchy

- Patient
- Family Member
- Caretaker

Other Associated Elements

- RunType
- LastName
- Common Null Values

MI

Tag Name

- MI

Definition

The first letter of the patient's middle name

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values
Minimum Constraint	1	Maximum Constraint	1

Field Values

- Free text

Data Source Hierarchy

- Patient
- Family Member
- Caretaker

Other Associated Elements

- LastName
- FirstName
- Common Null Values

DOB

Tag Name

- DateofBirth

Definition

The patient's date of birth

Technical Information

XSD Data Type	xs:date	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values
Minimum Constraint	01/01/1910	Maximum Constraint	Current Date

Field Values

- Collected as standard XML format YYYY-MM-DD

Additional Information

- Year must be $\geq$ 1910

Data Source Hierarchy

- Patient
- Family Member
- Caretaker

Other Associated Elements

- Common Null Values

PHONE

Tag Name

- PatientPhoneNumber

Definition

The patient's primary telephone number

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values
Minimum Constraint	10	Maximum Constraint	10

Field Values

- Free text

Data Source Hierarchy

- Patient
- Family Member
- Caretaker

Other Associated Elements

- Common Null Values

STREET NUMBER

Tag Name

- PatientStreetNumber

Definition

The street number of the patient's primary residence

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values
Minimum Constraint	1	Maximum Constraint	10

Field Values

- Free text

Additional Information

- Positive numeric values only

Data Source Hierarchy

- Patient
- Family Member
- Caretaker
- EMS Provider
- 9-1-1 or Dispatch Center

Other Associated Elements

- PatientStreetName
- PatientAptNumber
- PatientCityCode
- PatientZipCode
- PatientState
- Common Null Values

STREET NAME

Tag Name

- PatientStreetName

Definition

The name of the street of the patient's primary residence

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values
Minimum Constraint	1	Maximum Constraint	40

Field Values

- Free text

Data Source Hierarchy

- Patient
- Family Member
- Caretaker
- EMS Provider
- 9-1-1 or Dispatch Center
-

Other Associated Elements

- PatientStreetNumber
- PatientAptNumber
- PatientCityCode
- PatientZipCode
- PatientState
- Common Null Values

APT

Tag Name

- PatientAptNumber

Definition

The apartment number of the patient's primary residence

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values
Minimum Constraint	1	Maximum Constraint	6

Field Values

- Free text

Additional Information

- Positive numeric values only

Data Source Hierarchy

- Patient
- Family Member
- Caretaker
- EMS Provider
- 9-1-1 or Dispatch Center

Other Associated Elements

- PatientStreetName
- PatientStreetNumber
- PatientCityCode
- PatientZipCode
- PatientState
- Common Null Values

CITY

Tag Name

- PatientCityCode

Definition

The city code of the patient's primary residence

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values
Minimum Constraint	2	Maximum Constraint	2

Field Values

AA	Arleta	CC	Culver City	GH	Granada Hills
AC	Acton	CE	Cerritos	GK	Glenoaks
AD	Altadena	CH	Chatsworth	GL	Glendale
AE	Arlington Heights	CI	Chinatown	GO	Gorman
AG	Agua Dulce	CK	Charter Oak	GP	Glassell Park
AH	Agoura Hills	CL	Claremont	GR	Green Valley
AL	Alhambra	CM	Compton	GV	Glenview
AN	Athens	CN	Canyon Country	GW	Glendora
AO	Avocado Heights	CO	Commerce	HA	Hawthorne
AR	Arcadia	CP	Canoga Park	HB	Hermosa Beach
AT	Artesia	CR	Crenshaw	HC	Hacienda Heights
AV	Avalon	CS	Castaic	HE	Harvard Heights
AW	Atwater Village	CT	Century City	HG	Hawaiian Gardens
AZ	Azusa	CU	Cudahy	HH	Hidden Hills
BA	Bel Air Estates	CV	Covina	HI	Highland Park
BC	Bell Canyon	CY	Cypress Park	HK	Holly Park
BE	Bellflower	DB	Diamond Bar	HO	Hollywood
BG	Bell Gardens	DO	Downey	HP	Huntington Park
BH	Beverly Hills	DS	Del Sur	HR	Harbor City
BK	Bixby Knolls	DU	Duarte	HV	Hi Vista
BL	Bell	DZ	Dominguez	HY	Hyde Park
BN	Baldwin Hills	EL	East Los Angeles	IG	Inglewood
BO	Bouquet Canyon	EM	El Monte	IN	City of Industry
BP	Baldwin Park	EN	Encino	IR	Irwindale
BR	Bradbury	EO	El Sereno	JH	Juniper Hills
BS	Belmont Shore	EP	Echo Park	JP	Jefferson Park
BT	Bassett	ER	Eagle Rock	KG	Kagel Canyon
BU	Burbank	ES	El Segundo	KO	Koreatown
BV	Beverly Glen	EV	Elysian Valley	LA	Los Angeles
BW	Brentwood	EZ	East Rancho Dominguez	LB	Long Beach
BX	Box Canyon	FA	Fairmont	LC	La Canada Flintridge
BY	Boyle Heights	FL	Florence County	LD	Ladera Heights
BZ	Byzantine-Latino Quarter	FO	Fair Oaks Ranch	LE	Leona Valley
CA	Carson	GA	Gardena	LF	Los Feliz
CB	Calabasas	GF	Griffith Park	LH	La Habra Heights

LI	Little Rock	PC	Pacoima	SU	Sunland
LK	Lakewood	PD	Palmdale	SV	Stevenson Ranch
LL	Lake Los Angeles	PE	Pacific Palisades	SW	Sawtelle
LM	La Mirada	PH	Pacific Highlands	SX	South Central County
LN	Lawndale	PI	Phillips Ranch	SY	Sylmar
LO	Lomita	PL	Playa Vista	SZ	Studio City
LP	La Puente	PM	Paramount	TA	Tarzana
LQ	LAX	PN	Panorama City	TC	Temple City
LR	La Crescenta	PO	Pomona	TD	Tropico
LS	Los Nietos	PP	Palos Verdes Peninsula	TE	Topanga State Park
LT	Lancaster	PR	Pico Rivera	TH	Thousand Oaks
LU	Lake Hughes	PS	Palms	TI	Terminal Island
LV	La Verne	PT	Porter Ranch	TJ	Tujunga
LW	Lake View Terrace	PV	Palos Verdes Estates	TL	Toluca Lake
LX	Lennox	PY	Playa Del Rey	TO	Torrance
LY	Lynwood	QH	Quartz Hill	TP	Topanga
LZ	Lake Elizabeth	RB	Redondo Beach	TR	Three Points
MA	Malibu	RC	Roosevelt Corner	TT	Toluca Terrace
MB	Manhattan Beach	RD	Rancho Dominguez	UC	Universal City
MC	Malibu Beach	RE	Rolling Hills Estates	UP	University Park
MD	Marina Del Rey	RH	Rolling Hills	VA	Valencia
ME	Monte Nido	RK	Rancho Park	VC	Venice
MG	Montecito Heights	RM	Rosemead	VE	Vernon
MH	Mission Hills	RO	Rowland Heights	VG	Valley Glen
MI	Mint Canyon	RP	Rancho Palos Verdes	VI	Valley Village
ML	Malibu Lake	RS	Reseda	VL	Valinda
MM	Miracle Mile	RV	Rampart Village	VN	Van Nuys
MN	Montrose	RW	Rosewood	VV	Val Verde
MO	Montebello	SA	Saugus	VW	View Park
MP	Monterey Park	SB	Sandberg	VY	Valyermo
MR	Mar Vista	SC	Santa Clara	WA	Walnut
MS	Mount Wilson	SD	San Dimas	WB	Willowbrook
MT	Montclair	SE	South El Monte	WC	West Covina
MU	Mount Olympus	SF	San Fernando	WE	West Hills
MV	Monrovia	SG	San Gabriel	WG	Wilsona Gardens
MW	Maywood	SH	Signal Hill	WH	West Hollywood
MY	Metler Valley	SI	Sierra Madre	WI	Whittier
NA	Naples	SJ	Silver Lake	WK	Winnetka
NE	Newhall	SK	Sherman Oaks	WL	Woodland Hills
NH	North Hollywood	SL	Sun Valley	WM	Wilmington
NN	Neenach	SM	Santa Monica	WN	Windsor Hills
NO	Norwalk	SN	San Marino	WO	Westlake
NR	Northridge	SO	South Gate	WP	Walnut Park
NT	North Hills	SP	South Pasadena	WR	Westchester
OP	Ocean Park	SQ	Sleepy Valley	WS	Windsor Square
OT	Other	SR	San Pedro	WT	Watts
PA	Pasadena	SS	Santa Fe Springs	WV	Westlake Village
PB	Pearblossom	ST	Santa Clarita	WW	Westwood

Data Source Hierarchy

- Patient
- Family Member
- Caretaker
- EMS Provider
- 9-1-1 or Dispatch Center

Other Associated Elements

- PatientStreetName
- PatientStreetNumber
- PatientAptNumber
- PatientZipCode
- PatientState
- Common Null Values

PATIENT STATE

Tag Name

- PatientState

Definition

The state of the patient's primary residence

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values
Minimum Constraint	2	Maximum Constraint	2

Field Values

AK	Alaska	KS	Kansas	NM	New Mexico	WI	Wisconsin
AL	Alabama	KY	Kentucky	NV	Nevada	WV	West Virginia
AR	Arkansas	LA	Louisiana	NY	New York	WY	Wyoming
AZ	Arizona	MA	Massachusetts	OH	Ohio	AS	American Samoa
CA	California	MD	Maryland	OK	Oklahoma	FM	Federated States of Micronesia
CO	Colorado	ME	Maine	OR	Oregon	GU	Guam
CT	Connecticut	MI	Michigan	PA	Pennsylvania	MH	Marshall Islands
DC	District of Columbia	MN	Minnesota	RI	Rhode Island	MP	Northern Mariana Islands
DE	Delaware	MO	Missouri	SC	South Carolina	PR	Puerto Rico
FL	Florida	MS	Mississippi	SD	South Dakota	PW	Palau
GA	Georgia	MT	Montana	TN	Tennessee	UM	US Minor Outlying Islands
HI	Hawaii	NC	North Carolina	TX	Texas	VI	Virgin Islands of the US
IA	Iowa	NH	New Hampshire	UT	Utah	OT	Other
ID	Idaho	ND	North Dakota	VA	Virginia		
IL	Illinois	NE	Nebraska	VT	Vermont		
IN	Indiana	NJ	New Jersey	WA	Washington		

Data Source Hierarchy

- Patient
- Family Member
- Caretaker
- EMS Provider

Other Associated Elements

- PatientStreetName
- PatientStreetNumber
- PatientAptNumber
- PatientZipCode
- PatientCityCode
- Common Null Values

PATIENT ZIP CODE

Tag Name

- PatientZipCode

Definition

The zip code of the patient's primary residence

Technical Information

XSD Data Type	xs:nonNegativeInteger	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values
Minimum Constraint	5	Maximum Constraint	5

Field Values

- Five-digit positive numeric value

Data Source Hierarchy

- Patient
- Family Member
- Caretaker
- EMS Provider
- 9-1-1 or Dispatch Center

Other Associated Elements

- PatientStreetName
- PatientStreetNumber
- PatientAptNumber
- PatientCityCode
- PatientStateCode
- Common Null Values

HOSP. VISIT

Tag Name

- VisitNo

Definition

The visit, or encounter, # that relates to the patient's current hospital visit

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values
Minimum Constraint	1	Maximum Constraint	15

Field Values

- Free text

Data Source Hierarchy

- Hospital Face Sheet

Other Associated Elements

- Common Null Values

TEAM MEMBERS

TEAM MEMBER ID

Tag Name

- TeamMemberID

Definition

The identification number of personnel involved in the patient's care

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	Yes	Accepts Null	No
Minimum Constraint	1	Maximum Constraint	8

Field Values

- Free text

Additional Information

- The format used for Paramedics is "P" followed by the L.A. County issued accreditation number– example P1234
- The format used for EMTs is "E" followed by the CA certification number– example E12345
- Every record must have at least one team member ID, listed in the first copy

Data Source Hierarchy

- EMS Provider

TRANSPORT INFORMATION

PROV

Tag Name

- Provider

Definition

Two-letter provider code of the agency (or agencies) responding to the incident

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	Yes	Accepts Null	No
Minimum Constraint	2	Maximum Constraint	2

Field Values

AA	American Professional Ambulance Corp.	FC	First Rescue Ambulance	PF	Pasadena Fire
AB	AmbuLife Ambulance, Inc.	FM	Firstmed Ambulance	PN	PRN Ambulance, Inc.
AF	Arcadia Fire	FS	U.S. Forest Service	RB	Redondo Beach Fire
AH	Alhambra Fire	GG	Go Green Ambulance	RE	REACH Air Medical Service
AN	Antelope Ambulance Service	GL	Glendale Fire	RR	Rescue Services (Medic-1)
AR	American Medical Response	GU	Guardian Ambulance Service	RY	Royalty Ambulance
AT	All Town Ambulance, LLC	HE	Heart Ambulance Corporation	SA	San Marino Fire
AU	AmbuServe Ambulance	JA	Journey Ambulance	SB	San Bernardino County Provider
AV	Avalon Fire	KC	Kern County Provider	SG	San Gabriel Fire
AW	AMWest Ambulance	LB	Long Beach Fire	SI	Sierra Madre Fire
AZ	Ambulnz Health, Inc.	LE	Lifeline Ambulance	SM	Santa Monica Fire
BA	Burbank Airport Fire Dept.	LH	La Habra Heights Fire	SO	Symbiosis (Di Biassi)
BF	Burbank Fire	LT	Liberty Ambulance	SP	South Pasadena Fire
BH	Beverly Hills Fire	LV	La Verne Fire	SS	Santa Fe Springs Fire
CA	CARE Ambulance	LY	Lynch EMS Ambulance	SY	Symons Ambulance
CC	Culver City Fire	MA	Mauran Ambulance	TF	Torrance Fire
CF	LA County Fire	MB	Manhattan Beach Fire	TR	Trinity Ambulance
CG	US Coast Guard	MD	MedTrans, Inc.	UC	UCLA Emergency Services
CI	LA City Fire	MF	Monrovia Fire	VA	Viewpoint Ambulance, Inc.
CL	CAL-MED Ambulance	MI	MedResponse, Inc.	VE	Ventura County Fire
CM	Compton Fire	MO	Montebello Fire	VI	Vital Care Ambulance
CO	College Coastal Care, LLC	MP	Monterey Park Fire	WC	West Covina Fire
CS	LA County Sheriff	MR	MedReach Ambulance	WE	Westcoast Ambulance
DF	Downey Fire	MT	MedCoast Ambulance	WM	West Med/McCormick Ambulance Service
EA	Emergency Ambulance	MY	Mercy Air	OT	Other Provider
ES	El Segundo Fire	OC	Orange County Provider		
EX	Explorer 1 Ambulance and Medical Services	PE	Premier Medical Transport		

Additional Information

- Law enforcement agencies are not considered EMS providers and therefore do not have a two-letter provider code. Please do not attempt to list them as a provider.

Data Source Hierarchy

- EMS Provider
- Auto-generated by the EMS Provider's software

Other Associated Elements

- Type
- Unit

A/B/H

Tag Name

- Type

Definition

The highest capability of care for the responding provider unit

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	Yes	Accepts Null	Yes, common null values
Minimum Constraint	1	Maximum Constraint	1

Field Values

A Advanced Life Support	B Basic Life Support
H Helicopter	

Data Source Hierarchy

- EMS Provider
- Auto-generated by the EMS Provider's software

Other Associated Elements

- Provider
- Unit
- Common Null Values

UNIT

Tag Name

- Unit

Definition

The unit letter and number designation for the responding provider unit

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	Yes	Accepts Null	Yes, common null values
Minimum Constraint	2	Maximum Constraint	5

Field Values

- Free text

Data Source Hierarchy

- EMS Provider
- Auto-generated by the EMS Provider's software

Other Associated Elements

- Provider
- Type
- Common Null Values

DISP DATE

Tag Name

- DispatchDate

Definition

Date the responding unit was notified by dispatch of the incident

Technical Information

XSD Data Type	xs:date	Required in XSD	Yes
Multiple Entry Configuration	Yes	Accepts Null	No
Minimum Value	07/01/2016	Maximum Value	Current Date

Field Values

- Collected as standard XML format YYYY-MM-DD

Data Source Hierarchy

- 9-1-1 or Dispatch Center
- EMS Provider

Other Associated Elements

- DispatchTime

DISP

Tag Name

- DispatchTime

Definition

Time of day the responding unit was notified by dispatch of the incident

Technical Information

XSD Data Type	xs:time	Required in XSD	Yes
Multiple Entry Configuration	Yes	Accepts Null	No

Field Values

- Collected as HH:MM:SS
- Use 24-hour clock

Data Source Hierarchy

- 9-1-1 or Dispatch Center
- EMS Provider

Other Associated Elements

- DispatchDate

ARRIVAL DATE

Tag Name

- ArrivalDate

Definition

Date the responding unit arrived at the incident location

Technical Information

XSD Data Type	xs:date	Required in XSD	Yes
Multiple Entry Configuration	Yes	Accepts Null	Yes, common null values
Minimum Value	07/01/2016	Maximum Value	Current Date

Field Values

- Collected as standard XML format YYYY-MM-DD

Data Source Hierarchy

-
- EMS Provider

Other Associated Elements

- ArrivalTime
- Common Null Values

ARRIVAL

Tag Name

- ArrivalTime

Definition

Time of day the responding unit arrived at the incident location

Technical Information

XSD Data Type	xs:time	Required in XSD	Yes
Multiple Entry Configuration	Yes	Accepts Null	Yes, common null values

Field Values

- Collected as HH:MM:SS
- Use 24-hour clock

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- ArrivalDate
- Common Null Values

DATE AT PATIENT

Tag Name

- AtPatientDate

Definition

Date the responding unit reached the patient at the incident location

Technical Information

XSD Data Type	xs:date	Required in XSD	Yes
Multiple Entry Configuration	Yes	Accepts Null	Yes, common null values
Minimum Value	07/01/2016	Maximum Value	Current Date

Field Values

- Collected as standard XML format YYYY-MM-DD

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- AtPatientTime
- Common Null Values

TIME AT PATIENT

Tag Name

- AtPatientTime

Definition

Time of day the responding unit reached the patient at the incident location

Technical Information

XSD Data Type	xs:time	Required in XSD	Yes
Multiple Entry Configuration	Yes	Accepts Null	Yes, common null values

Field Values

- Collected as HH:MM:SS
- Use 24-hour clock

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- AtPatientDate
- Common Null Values

LEFT DATE

Tag Name

- LeftSceneDate

Definition

Date the transporting unit left the incident location with the patient

Technical Information

XSD Data Type	xs:date	Required in XSD	Yes
Multiple Entry Configuration	Yes	Accepts Null	Yes, common null values
Minimum Value	07/01/2016	Maximum Value	Current Date

Field Values

- Collected as standard XML format YYYY-MM-DD

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- LeftSceneTime
- Common Null Values

LEFT

Tag Name

- LeftSceneTime

Definition

Time of day the transporting unit left the incident location with the patient

Technical Information

XSD Data Type	xs:time	Required in XSD	Yes
Multiple Entry Configuration	Yes	Accepts Null	Yes, common null values

Field Values

- Collected as HH:MM:SS
- Use 24-hour clock

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- LeftSceneDate
- Common Null Values

AT FAC DATE

Tag Name

- AtFacilityDate

Definition

Date the transporting unit arrived at the receiving facility with the patient

Technical Information

XSD Data Type	xs:date	Required in XSD	Yes
Multiple Entry Configuration	Yes	Accepts Null	Yes, common null values
Minimum Value	07/01/2016	Maximum Value	Current Date

Field Values

- Collected as standard XML format YYYY-MM-DD

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- AtFacilityTime
- Common Null Values

AT FAC

Tag Name

- AtFacilityTime

Definition

Time of day the transporting unit arrived at the receiving facility with the patient

Technical Information

XSD Data Type	xs:time	Required in XSD	Yes
Multiple Entry Configuration	Yes	Accepts Null	Yes, common null values

Field Values

- Collected as HH:MM:SS
- Use 24-hour clock

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- AtFacilityDate
- Common Null Values

FAC EQUIP DATE

Tag Name

- OnFacilityEquipmentDate

Definition

Date the transporting unit transferred the patient to hospital equipment

Technical Information

XSD Data Type	xs:date	Required in XSD	Yes
Multiple Entry Configuration	Yes	Accepts Null	Yes, common null values
Minimum Value	07/01/2016	Maximum Value	Current Date

Field Values

- Collected as standard XML format YYYY-MM-DD

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- OnFacilityEquipmentTime
- Common Null Values

FAC EQUIP TIME

Tag Name

- OnFacilityEquipmentTime

Definition

Time of day the transporting unit transferred the patient to hospital equipment

Technical Information

XSD Data Type	xs:time	Required in XSD	Yes
Multiple Entry Configuration	Yes	Accepts Null	Yes, common null values

Field Values

- Collected as HH:MM:SS
- Use 24-hour clock

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- OnFacilityEquipmentDate
- Common Null Values

AVAIL DATE

Tag Name

- AvailableDate

Definition

Date the provider is available to return to service

Technical Information

XSD Data Type	xs:date	Required in XSD	Yes
Multiple Entry Configuration	Yes	Accepts Null	Yes, common null values
Minimum Value	07/01/2016	Maximum Value	Current Date

Field Values

- Collected as standard XML format YYYY-MM-DD

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- AvailableTime
- Common Null Values

AVAIL

Tag Name

- AvailableTime

Definition

Time of day the provider is available to return to service

Technical Information

XSD Data Type	xs:time	Required in XSD	Yes
Multiple Entry Configuration	Yes	Accepts Null	Yes, common null values

Field Values

- Collected as HH:MM:SS
- Use 24-hour clock

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- AvailableDate
- Common Null Values

TRANSPORTED BY

Tag Name

- TransportingUnit

Definition

Indicates whether the unit physically transported the patient to the receiving facility

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	Yes	Accepts Null	Yes, common null values
Minimum Constraint	1	Maximum Constraint	1

Field Values

- Y Yes
- N No

Data Source Hierarchy

- EMS Provider
- Auto-generated by the EMS Provider's software

Other Associated Elements

- Common Null Values

MED. CTRL.

Tag Name

- MedCtrl

Definition

The three-letter-code indicating whether medical control was provided by a protocol, a base hospital, a medical director/EMS fellow on scene, or if the EMS provider contacted the MAC

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, NA only
Minimum Constraint	3	Maximum Constraint	3

Field Values

AMH	Methodist Hospital of Southern California	PIH	PIH Health Whittier Hospital
AVH	Antelope Valley Hospital	PVC	Pomona Valley Hospital Medical Center
CAL	Dignity Health-California Hospital Medical Center	QVH	Emanate Health Queen of the Valley Hospital
CSM	Cedars-Sinai Medical Center	SFM	Saint Francis Medical Center
GWT	Adventist Health - Glendale	SJS	Providence Saint Joseph Medical Center
HCH	Providence Holy Cross Medical Center	SMM	Dignity Health-Saint Mary Medical Center
HGH	LAC Harbor-UCLA Medical Center	TOR	Torrance Memorial Medical Center
HMH	Huntington Hospital	UCL	Ronald Reagan UCLA Medical Center
HMN	Henry Mayo Newhall Hospital		
LBM	MemorialCare Long Beach Medical Center	MAC	Medical Alert Center
LCM	Providence Little Company of Mary Hospital Torrance	MTP	Medical Treatment Protocol
LMC	Los Angeles General Medical Center	MDS	Medical Director/EMS Fellow on Scene
NRH	Dignity Health-Northridge Hospital Medical Center		

Additional Information

- If a medical treatment protocol is used and no base contact is made, enter the three-letter code MTP

Additional Information

- Should be reported as a valid value or Not Applicable only

Data Source Hierarchy

- EMS Provider

PROTOCOL

Tag Name

- Protocol

Definition

The four-digit numeric or six-digit alphanumeric code of the protocol used to treat the patient

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	Yes	Accepts Null	Yes, NA only
Minimum Constraint	4	Maximum Constraint	6

Field Values

1201	Assessment		
1202	General Medical	1202-P	General Medical (Pediatric)
1203	Diabetic Emergencies	1203-P	Diabetic Emergencies (Pediatric)
1204	Fever/Sepsis	1204-P	Fever/Sepsis (Pediatric)
1205	GI/GU Emergencies	1205-P	GI/GU Emergencies (Pediatric)
1206	Medical Device Malfunction	1206-P	Medical Device Malfunction (Pediatric)
1207	Shock/Hypotension	1207-P	Shock/Hypotension (Pediatric)
1208	Agitated Delirium	1208-P	Agitated Delirium (Pediatric)
1209	Behavioral/Psychiatric Crisis	1209-P	Behavioral/Psychiatric Crisis (Pediatric)
1210	Cardiac Arrest	1210-P	Cardiac Arrest (Pediatric)
1211	Cardiac Chest Pain		
1212	Cardiac Dysrhythmia-Bradycardia	1212-P	Cardiac Dysrhythmia-Bradycardia (Pediatric)
1213	Cardiac Dysrhythmia-Tachycardia	1213-P	Cardiac Dysrhythmia-Tachycardia (Pediatric)
1214	Pulmonary Edema/CHF		
1215	Childbirth (Mother)	1215-P	Childbirth (Mother) (Pediatric)
		1216-P	Newborn/Neonatal Resuscitation (Pediatric)
1217	Pregnancy Complication	1217-P	Pregnancy Complication (Pediatric)
1218	Pregnancy/Labor	1218-P	Pregnancy/Labor (Pediatric)
1219	Allergy	1219-P	Allergy (Pediatric)
1220	Burns	1220-P	Burns (Pediatric)
1221	Electrocution	1221-P	Electrocution (Pediatric)
1222	Hyperthermia (Environmental)	1222-P	Hyperthermia (Environmental) (Pediatric)
1223	Hypothermia/Cold Injury	1223-P	Hypothermia/Cold Injury (Pediatric)
1224	Stings/Venomous Bites	1224-P	Stings/Venomous Bites (Pediatric)
1225	Submersion	1225-P	Submersion (Pediatric)
1226	ENT/Dental Emergencies	1226-P	ENT/Dental Emergencies (Pediatric)
1228	Eye Problem	1228-P	Eye Problem (Pediatric)
1229	ALOC	1229-P	ALOC (Pediatric)
1230	Dizziness/Vertigo	1230-P	Dizziness/Vertigo (Pediatric)
1231	Seizure	1231-P	Seizure (Pediatric)
1232	Stroke/CVA/TIA	1232-P	Stroke/CVA/TIA (Pediatric)

1233	Syncope/Near Syncope	1233-P	Syncope/Near Syncope (Pediatric)
1234	Airway Obstruction	1234-P	Airway Obstruction (Pediatric)
		1235-P	BRUE (Pediatric)
1236	Inhalation Injury	1236-P	Inhalation Injury (Pediatric)
1237	Respiratory Distress	1237-P	Respiratory Distress (Pediatric)
1238	Carbon Monoxide Exposure	1238-P	Carbon Monoxide Exposure (Pediatric)
1239	Dystonic Reaction	1239-P	Dystonic Reaction (Pediatric)
1240	HazMat	1240-P	HazMat (Pediatric)
1241	Overdose/Poisoning/Ingestion	1241-P	Overdose/Poisoning/Ingestion (Pediatric)
1242	Crush Injury/Syndrome	1242-P	Crush Injury/Syndrome (Pediatric)
1243	Traumatic Arrest	1243-P	Traumatic Arrest (Pediatric)
1244	Traumatic Injury	1244-P	Traumatic Injury (Pediatric)
1245	COVID		

Additional Information

- Protocol identified should correspond to the provider impression
- Should be reported as a valid field value or Not Applicable only

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- Complaint
- ProviderImpression
- Common Null Values

REC FAC

Tag Name

- ReceivingFacility

Definition

The three-letter code of the facility to which the patient was transported

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values
Minimum Constraint	3	Maximum Constraint	3

Field Values

ACH	Alhambra Hospital Medical Center	FPH	Foothill Presbyterian Hospital
AHM	Catalina Island Medical Center	GAR	Garfield Medical Center
AMH	Methodist Hospital of Southern California	GEM	Greater El Monte Community Hospital
ANH	Anaheim Memorial Medical Center (Orange County)	GMH	Dignity Health-Glendale Memorial Hospital and Health Center
ARM	Arrowhead Regional Medical Center (S. B. County)	GSH	PIH Health Good Samaritan Hospital
AVH	Antelope Valley Hospital	GWT	Adventist Health-Glendale
BEV	Beverly Hospital	HBC	Hyperbaric Chamber (NON-BASIC)
BMC	Southern California Hosp. at Culver City	HCH	Providence Holy Cross Medical Center
CAL	Dignity Health-California Hospital Medical Center	HGH	LAC Harbor-UCLA Medical Center
CHH	Children's Hospital Los Angeles	HMH	Huntington Hospital
CHI	Chino Valley Medical Center (S.B. County)	HMN	Henry Mayo Newhall Hospital
CHO	Children's Hospital of Orange County (Orange County)	HWH	West Hills Hospital and Medical Center
CHP	Community Hospital of Huntington Park	ICH	Emanate Health Inter-Community Hosp.
CNT	Centinela Hospital Medical Center	KFA	Kaiser Foundation Hospital - Baldwin Park
CPM	Coast Plaza Hospital	KFB	Kaiser Foundation Hospital - Downey
CSM	Cedars-Sinai Medical Center	KFF	Kaiser Foundation Hospital – Fontana (S.B. County)
DCH	PIH Health Downey Hospital	KFH	Kaiser Foundation Hospital – South Bay
DFM	Cedars-Sinai Marina Del Rey Hospital	KFI	Kaiser Foundation Hospital - Irvine
DHL	Lakewood Regional Medical Center	KFL	Kaiser Foundation Hospital – Sunset (LA)
DHM	Montclair Hospital M.C. (S.B. County)	KFN	Kaiser Foundation Hospital - Ontario (S.B. County)
ELA	East Los Angeles Doctors Hospital	KFO	Kaiser Foundation Hospital – Woodland Hills
ENH	Encino Hospital Medical Center	KFP	Kaiser Foundation Hospital – Panorama City
FHP	Fountain Valley Regional Hosp. & M.C. (Orange County)	KFW	Kaiser Foundation Hospital – West Los Angeles

KHA	Kaiser Foundation Hospital -Anaheim (Orange County)	SGC	San Gabriel Valley Medical Center
LAG	Los Alamitos Medical Center (Orange County)	SIM	Adventist Health - Simi Valley (Ventura County)
LBM	MemorialCare Long Beach Medical Center	SJD	St. Jude Medical Center (Orange County)
LBV	Long Beach Veteran Administration (NON-BASIC)	SJH	Providence Saint John's Health Center
LCH	Palmdale Regional Medical Center	SJO	St. John Regional Medical Center (Ventura County)
LCM	Providence Little Company of Mary M.C. - Torrance	SJS	Providence Saint Joseph Medical Center
LLU	Loma Linda University Medical Center (S. B. County)	SMH	Santa Monica-UCLA Medical Center
LMC	Los Angeles General Medical Center	SMM	Dignity Health-Saint Mary Medical Center
LPI	La Palma Intercommunity Hospital (Orange County)	SOC	Sherman Oaks Hospital
LRR	Los Robles Hospital and Medical Center (Ventura County)	SPP	Providence Little Company of Mary Medical Center - San Pedro
MCP	Mission Community Hospital	TOR	Torrance Memorial Medical Center
MHG	Memorial Hospital Gardena	TRM	Providence Cedars-Sinai Tarzana Medical Center
MLK	Martin Luther King, Jr. Community Hospital	UCI	University of California - Irvine Medical Center (Orange County)
MPH	Monterey Park Hospital	UCL	Ronald Reagan UCLA Medical Center
NOR	Los Angeles Community Hospital at Norwalk		
NRH	Dignity Health-Northridge Hospital Medical Center	VHH	USC Verdugo Hills Hospital
OTH	Other (FACILITY NOT LISTED)	VPH	Valley Presbyterian Hospital
OVM	LAC Olive View - UCLA Medical Center	WHH	Whittier Hospital Medical Center
PAC	Pacifica Hospital of the Valley	WMC	Western Medical Center Santa Ana (Orange County)
PIH	PIH Health Whittier Hospital	WMH	Adventist Health-White Memorial
PLB	College Medical Center	WVA	Veterans Administration Hospital of West Los Angeles (NON-BASIC)
PLH	Placentia Linda Hospital (Orange County)	XAV	Star Behavioral Health Urgent Care Center, Lancaster
PVC	Pomona Valley Hospital Medical Center	XCC	Exodus Recovery Center – Culver City
QOA	Hollywood Presbyterian Medical Center	XHG	Exodus Recovery Center – Harbor
QVH	Emanate Health Queen of the Valley Hospital	XIN	Star Behavioral Health Urgent Care Center, City of Industry
RCC	Ridgecrest Regional Hospital (Kern County)	XLB	Star Behavioral Health Urgent Care Center, Long Beach
SAC	San Antonio Community Hospital (S.B. County)	XLK	Exodus Recovery Center – MLK
SDC	San Dimas Community Hospital	XUS	Exodus Recovery Center – USC
SFM	Saint Francis Medical Center	ZLA	David L. Murphy Sobering Center

DISASTER RECEIVING FACILITIES ONLY			
BRH	Barlow Respiratory Hospital	KMC	Kern Medical Center
COA	Silver Lake Medical Center	NCH	USC Kenneth Norris Jr. Cancer Center
COH	City of Hope National Medical Center	PAM	Pacific Alliance Medical Center
LAC	Los Angeles Community Hospital	RLA	LAC-Rancho Los Amigos
HOL	So. Calif. Hospital at Hollywood	USH	Keck Hospital of USC

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- Notification
- Via
- Common Null Values

ADVANCED PROVIDER COMMENT

Tag Name

- AdvProvComment

Definition

Field provided for additional documentation related to the utilization of an advanced healthcare provider. Documentation may include such items as: level of provider; telemedicine; or patient refusal of advanced healthcare provider services.

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, NA only
Minimum Constraint	1	Maximum Constraint	60

Field Values

- Free text

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- Advanced Provider Level?
- Common Null Values

NOTIFICATION?

Tag Name

- Notification

Definition

Checkbox indicating whether the receiving hospital was notified prior to the patient's arrival

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, NA & ND only
Minimum Constraint	1	Maximum Constraint	1

Field Values

- **Y** Yes
- **N** No

Additional Information

- Base contact constitutes notification, even if the receiving hospital is not the base hospital contacted
- Should be reported as a valid field value, Not Applicable, or Not Documented only

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- MedCtrl
- ReceivingFacility
- Common Null Values

VIA

Tag Name

- Via

Definition

Checkbox indicating the type of transport unit used

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	No
Minimum Constraint	1	Maximum Constraint	1

Field Values

A ALS	H Helicopter
B BLS	N No Transport

Additional Information

- If field value is “A”, “B”, or “H” then a receiving facility must be documented
- If field value is “N”, ‘AMA?’, ‘Assess, Treat, & Release?’, and ‘Treatment in Place?’ must have a non-null value

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- ReceivingFacility
- Notification
- AMA
- AssessTreatRelease
- TreatInPlace

AMA?

Tag Name

- AMA

Definition

Checkbox indicating whether the patient refused transport and signed out against medical advice

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, NA only
Minimum Constraint	1	Maximum Constraint	1

Field Values

- **Y** Yes
- **N** No

Additional Information

- Should be reported as a valid field value or Not Applicable only

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- Via
- AssessTreatRelease
- TreatInPlace
- Common Null Values

ASSESS, TREAT, & RELEASE?

Tag Name

- AssessTreatRelease

Definition

Checkbox indicating whether the patient, who does not desire transport to the emergency department for evaluation and after assessment and/or treatment by EMS personnel, does not have an ongoing emergency medical condition, a high-risk presentation, or social risk factors and is released at scene to follow-up with the patient's regular healthcare provider or a doctor's office or clinic

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, NA only
Minimum Constraint	1	Maximum Constraint	1

Field Values

- Y Yes
- N No

Additional Information

- Should be reported as a valid field value or Not Applicable only

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- Via
- AMA
- TreatInPlace
- Common Null Values

ASSESS, TREAT, & TRANSFER?

Tag Name

- AssessTreatTransfer

Definition

Checkbox indicating whether the patient, after assessment and/or treatment by EMS personnel, does not have an ongoing emergency medical condition, a high-risk presentation, or social risk factors and care is transferred to the department of mental health for a mental health evaluation

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, NA only
Minimum Constraint	1	Maximum Constraint	1

Field Values

- **Y** Yes
- **N** No

Additional Information

- Should be reported as a valid field value or Not Applicable only

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- Via
- AMA
- AssessTreatRelease
- TreatInPlace
- Common Null Values

TREATMENT IN PLACE?

Tag Name

- TreatInPlace

Definition

Checkbox indicating whether the patient, after an assessment and treatment by EMS personnel and medical clearance by an authorized advanced healthcare provider on scene or via Telemedicine, does not require ambulance transport to an emergency department

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, NA only
Minimum Constraint	1	Maximum Constraint	1

Field Values

- Y Yes
- N No

Additional Information

- Should be reported as a valid field value or Not Applicable only

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- Via
- AMA
- AssessTreatRelease
- Common Null Values

ADVANCED PROVIDER LEVEL?

Tag Name

- AdvancedProviderLevel

Definition

Checkbox indicating whether the authorized advanced healthcare provider is an EMS physician authorized to direct EMS care on scene or via telemedicine or an advanced practice provider identified by the EMS Provider Agency Medical Director to provide medical direction on scene or via telemedicine

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, NA only
Minimum Constraint	1	Maximum Constraint	6

Field Values

- **APP** Advanced Practice Provider
- **EMS MD** EMS Physician

Additional Information

- Should be reported as a valid field value or Not Applicable only

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- TreatInPlace
- Common Null Values

TRANS TO

Tag Name

- TransportedTo

Definition

Checkbox indicating the actual destination of the patient

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values
Minimum Constraint	1	Maximum Constraint	1

Field Values

M Most Accessible Receiving (MAR)	N Perinatal
T Trauma Center (TC)/Pediatric Trauma Center (PTC)	P Pediatric Medical Center (PMC)
S STEMI Receiving Center (SRC)	E Emergency Department Approved for Pediatrics (EDAP)
R Sexual Assault Response Team (SART) facility	A Primary Stroke Center (PSC)
O Other	K Comprehensive Stroke Center (CSC)

Additional Information

- If patient was transported, 'Receiving Facility' and 'Notification' should have a valid field value and 'Via' should not = "N"

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- ReceivingFacility
- Notification
- Via
- Common Null Values

REASON

Tag Name

- Reason

Definition

Checkbox indicating the reason that the patient was transported to a facility other than the most accessible receiving facility or specialty center

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values
Minimum Constraint	1	Maximum Constraint	1

Field Values

- A** No Specialty Center Access
- C** Criteria/Required
- E** ED Sat
- G** Guidelines
- J** Judgment
- N** No Specialty Center Required
- R** Request
- X** Extremis

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- ReceivingFacility
- Notification
- Via
- TransTo
- Common Null Values

CODE 3

Tag Name

- Code3

Definition

Checkbox indicating whether the patient was transported to the receiving facility with lights and sirens (aka Code 3)

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values
Minimum Constraint	1	Maximum Constraint	1

Field Values

- **Y** Yes
- **N** No

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- ReceivingFacility
- Notification
- Via
- TransTo
- Common Null Values

GCS

GLASGOW COMA SCALE- TIME

Tag Name

- GCSTime

Definition

Time of day when the patient's initial, and subsequent if applicable, Glasgow Coma Scale was performed

Technical Information

XSD Data Type	xs:time	Required in XSD	Yes
Multiple Entry Configuration	Yes	Accepts Null	Yes, common null values

Field Values

- Collected as HH:MM:SS
- Use 24-hour clock

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- Eye
- Verbal
- Motor
- GCSTotal
- Common Null Values

EYE

Tag Name

- Eye

Definition

The Glasgow Coma Scale numerical value that corresponds to the patient's initial and subsequent, if applicable, eye opening response to stimuli

Technical Information

XSD Data Type	xs:nonNegativeInteger	Required in XSD	Yes
Multiple Entry Configuration	Yes	Accepts Null	Yes, common null values
Minimum Constraint	1	Maximum Constraint	1

Field Values

4 Spontaneous	2 To Pain
3 To Verbal	1 None

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- GCSTime
- Verbal
- Motor
- GCSTotal
- Common Null Values

VERBAL

Tag Name

- Verbal

Definition

The Glasgow Coma Scale numerical value that corresponds to the patient's initial and subsequent, if applicable, verbal response to stimuli

Technical Information

XSD Data Type	xs:nonNegativeInteger	Required in XSD	Yes
Multiple Entry Configuration	Yes	Accepts Null	Yes, common null values
Minimum Constraint	1	Maximum Constraint	1

Field Values

5 Oriented x 3	2 Incomprehensible
4 Confused	1 None
3 Inappropriate	

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- GCSTime
- Eye
- Motor
- GCSTotal
- Common Null Values

MOTOR

Tag Name

- Motor

Definition

The Glasgow Coma Scale numerical value that corresponds to the patient's initial and subsequent, if applicable, motor response to stimuli

Technical Information

XSD Data Type	xs:nonNegativeInteger	Required in XSD	Yes
Multiple Entry Configuration	Yes	Accepts Null	Yes, common null values
Minimum Constraint	1	Maximum Constraint	1

Field Values

6 Obedient	3 Flexion
5 Purposeful	2 Extension
4 Withdrawal	1 None

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- GCSTime
- Eye
- Verbal
- GCSTotal
- Common Null Values

GCS TOTAL

Tag Name

- GCSTotal

Definition

Sum of the three numerical values documented for each element of the patient's initial and subsequent, if applicable, Glasgow Coma Scale score(s)

Technical Information

XSD Data Type	xs:nonNegativeInteger	Required in XSD	Yes
Multiple Entry Configuration	Yes	Accepts Null	Yes, common null values
Minimum Constraint	1	Maximum Constraint	2

Field Values

- One- or two-digit positive numeric value between 3 and 15

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- GCSTime
- Eye
- Verbal
- Motor
- Common Null Values

NORMAL FOR PATIENT/AGE

Tag Name

- NormalForPtAge

Definition

Patient's behavior, although not typical of most patients, is reported by family, caregivers, etc., to be the same as it was before the incident

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values
Minimum Constraint	1	Maximum Constraint	1

Field Values

- **Y** Yes
- **N** No

Additional Information

- Can be used on patients who suffer from mental illness, dementia, developmental delays, etc. and on infants and children who are age appropriate

Data Source Hierarchy

- Patient
- Family Member
- Caregiver
- EMS Provider

Other Associated Elements

- GCSTime
- Eye
- Verbal
- Motor
- GCSTotal
- Common Null Values

STROKE

mLAPSS

Tag Name

- ModifiedLAStrokeScreen

Definition

Checkbox indicating whether the patient met all Modified Los Angeles Prehospital Stroke Screen (mLAPSS) criteria as defined in Ref. No. 521 – Stroke Patient Destination

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values
Minimum Constraint	1	Maximum Constraint	1

Field Values

- **M** Met
- **N** Not met

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- LastKnownWellDate
- LastKnownWellTime
- LastKnownWellDateTimeUnk
- FacialDroop
- ArmDrift
- GripStrength
- TotalScore
- Common Null Values

LAST KNOWN WELL DATE

Tag Name

- LastKnownWellDate

Definition

Date when the patient was last known to be well, symptom-free, at baseline, or usual state of health

Technical Information

XSD Data Type	xs:date	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values
Minimum Constraint	07/01/2016	Maximum Constraint	Current Date

Field Values

- Collected as standard XML format YYYY-MM-DD

Additional Information

- Values for last known well date should only be sent for patients who have a provider impression of STRK or are transported to a primary or comprehensive stroke center

Data Source Hierarchy

- Patient
- Family Member
- Caregiver
- EMS Provider

Other Associated Elements

- ModifiedLAStrokeScreen
- LastKnownWellTime
- LastKnownWellDateTimeUnk
- FacialDroop
- ArmDrift
- GripStrength
- TotalScore
- Common Null Values

LAST KNOWN WELL TIME

Tag Name

- LastKnownWellTime

Definition

Time of day when the patient was last known to be well, symptom-free, at baseline, or usual state of health

Technical Information

XSD Data Type	xs:time	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values

Field Values

- Collected as HH:MM:SS
- Use 24-hour clock

Additional Information

- Values for last known well time should only be sent for patients who have a provider impression of STRK or are transported to a primary or comprehensive stroke center

Data Source Hierarchy

- Patient
- Family Member
- Caregiver
- EMS Provider

Other Associated Elements

- ModifiedLAStrokeScreen
- LastKnownWellDate
- LastKnownWellDateTimeUnk
- FacialDroop
- ArmDrift
- GripStrength
- TotalScore
- Common Null Values

LAST KNOWN WELL DATE AND TIME UNKNOWN

Tag Name

- LastKnownWellDateTimeUnk

Definition

The date and/or time the patient was last known to be well, symptom-free, at baseline, or usual state of health is not known

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, NA only
Minimum Constraint	1	Maximum Constraint	1

Field Values

- **U** Unknown

Additional Information

- Should be reported as valid field value or Not Applicable only
- Values for last known well date/time unknown should only be sent for patients who have a provider impression of STRK or are transported to a primary or comprehensive stroke center

Data Source Hierarchy

- Patient
- Family Member
- Caregiver
- EMS Provider

Other Associated Elements

- ModifiedLAStrokeScreen
- LastKnownWellDate
- LastKnownWellTime
- FacialDroop
- ArmDrift
- GripStrength
- TotalScore
- Common Null Values

FACIAL DROOP

Tag Name

- FacialDroop

Definition

Component of the LAMS that indicates whether the patient has a facial droop

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, ND or NA only
Minimum Constraint	1	Maximum Constraint	1

Field Values

- **0** Absent
- **1** Present
- **U** Unable

Additional Information

- Should be reported as a valid field value, Not Documented, or Not Applicable only

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- ModifiedLAStrokeScreen
- LastKnownWellDate
- LastKnownWellTime
- LastKnownWellDateTimeUnk
- ArmDrift
- GripStrength
- TotalScore
- Common Null Values

ARM DRIFT

Tag Name

- ArmDrift

Definition

Component of the LAMS that indicates whether the patient has an arm drift

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, ND or NA only
Minimum Constraint	1	Maximum Constraint	1

Field Values

- **0** Absent
- **1** Drifts down
- **2** Falls rapidly
- **U** Unable

Additional Information

- Should be reported as a valid field value, Not Documented, or Not Applicable only

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- ModifiedLAStrokeScreen
- LastKnownWellDate
- LastKnownWellTime
- LastKnownWellDateTimeUnk
- FacialDroop
- GripStrength
- TotalScore
- Common Null Values

GRIP STRENGTH

Tag Name

- GripStrength

Definition

Component of the LAMS that indicates the quality of the patient's grip strength

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, ND or NA only
Minimum Constraint	1	Maximum Constraint	1

Field Values

- **0** Normal
- **1** Weak grip
- **2** No grip
- **U** Unable

Additional Information

- Should be reported as a valid field value, Not Documented, or Not Applicable only

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- ModifiedLAStrokeScreen
- LastKnownWellDate
- LastKnownWellTime
- LastKnownWellDateTimeUnk
- FacialDroop
- ArmDrift
- TotalScore
- Common Null Values

TOTAL SCORE

Tag Name

- TotalScore

Definition

Sum of the three numerical values documented for each element of the patient's LAMS score

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, ND or NA only
Minimum Constraint	1	Maximum Constraint	1

Field Values

- One-digit positive numeric value between 0 and 5
- **U** Unable

Additional Information

- Should be reported as valid field value, Not Documented, or Not Applicable only

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- ModifiedLAStrokeScreen
- LastKnownWellDate
- LastKnownWellTime
- LastKnownWellDateTimeUnk
- FacialDroop
- ArmDrift
- GripStrength
- Common Null Values

MEDICATION/RHYTHM

MEDS/RHYTHM TIME

Tag Name

- Time

Definition

Time of day when medication was administered and/or when a subsequent 3-lead rhythm was read from the cardiac monitor

Technical Information

XSD Data Type	xs:time	Required in XSD	Yes
Multiple Entry Configuration	Yes	Accepts Null	Yes, common null values

Field Values

- Collected as HH:MM:SS
- Use 24-hour clock

Additional Information

- Max occurrence for this field is 20

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- TMNumber
- Rhythm
- Meds
- Dose
- DoseUnits
- Route
- Results
- Common Null Values

TM

Tag Name

- TMNumber

Definition

The number of the team member who administered medication to the patient or who read the subsequent 3-lead rhythm from the cardiac monitor

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	Yes	Accepts Null	Yes, common null values
Minimum Constraint	1	Maximum Constraint	1

Field Values

- Free text

Additional Information

- Max occurrence for this field is 20

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- Time
- Rhythm
- Meds
- Dose
- DoseUnits
- Route
- Results
- Common Null Values

RHYTHM

Tag Name

- Rhythm

Definition

Two- or three-letter code indicating the patient's subsequent rhythm(s) on the cardiac monitor

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	Yes	Accepts Null	Yes, common null values
Minimum Constraint	2	Maximum Constraint	3

Field Values

1HB First degree Heart Block	PEA Pulseless Electrical Activity
2HB Second degree Heart Block	PM Pacemaker Rhythm
3HB Third degree Heart Block	PST Paroxysmal Supraventricular Tachycardia
AFL Atrial Flutter	PVC Premature Ventricular Contraction
AFI Atrial Fibrillation	SA Sinus Arrhythmia
AGO Agonal Rhythm	SB Sinus Bradycardia
ASY Asystole	SR Sinus Rhythm
AVR Accelerated Ventricular Rhythm	ST Sinus Tachycardia
IV Idioventricular Rhythm	SVT Supraventricular Tachycardia
JR Junctional Rhythm	VF Ventricular Fibrillation
PAC Premature Atrial Contraction	VT Ventricular Tachycardia
PAT Paroxysmal Atrial Tachycardia	

Additional Information

- Max occurrence for this field is 20

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- Time
- TMNumber
- Meds
- Dose
- DoseUnits
- Route
- Results
- Common Null Values

MEDS

Tag Name

- Meds

Definition

The medication administered to the patient

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	Yes	Accepts Null	Yes, common null values
Minimum Constraint	2	Maximum Constraint	8

Field Values

NS Normal Saline	ASA Aspirin
ADE Adenosine	BEN Benadryl
AMI Amiodarone	CAL Calcium Chloride
ATR Atropine	D10 10% Dextrose
BIC Sodium Bicarbonate	EPI Epinephrine
COL Glucola	P-EPI Push-dose Epinephrine
FEN Fentanyl	GLP Oral Glucose Paste
GLU Glucagon	IVU I.V. Unobtainable
LID Lidocaine	MORPHINE Morphine Sulfate
MID Midazolam	NTG Nitroglycerin Spray
NAR Narcan	MDI Albuterol MDI
OND Ondansetron	PAS Aspirin Prior to Arrival
KLC Ketorolac	PNA Narcan Prior to Arrival
SL Saline Lock	PEP Epinephrine autoinjector Prior to Arrival
ALB Nebulized Albuterol	OLN Olanzapine

Additional Information

- Max occurrence for this field is 20
- For 'PAS', 'PNA' and 'PEP' the only allowable Route is 'TA'

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- Time
- TMNumber
- Rhythm
- Dose
- DoseUnits
- Route
- Results
- Common Null Values

DOSE

Tag Name

- Dose

Definition

The numeric value of the medication dosage administered to the patient

Technical Information

XSD Data Type	xs:decimal	Required in XSD	Yes
Multiple Entry Configuration	Yes	Accepts Null	Yes, common null values
Minimum Constraint	1	Maximum Constraint	4

Field Values

- Up to four-digit positive numeric value

Additional Information

- Max occurrence for this field is 20

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- Time
- TMNumber
- Rhythm
- Meds
- DoseUnits
- Route
- Results
- Common Null Values

DOSE UNITS

Tag Name

- DoseUnits

Definition

The units of medication administered to the patient

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	Yes	Accepts Null	Yes, common null values
Minimum Constraint	1	Maximum Constraint	5

Field Values

- **gm** grams
- **mcg** micrograms
- **mEq** milliequivalent
- **mg** milligrams
- **mL** milliliter
- **puffs** puffs

Additional Information

- Max occurrence for this field is 20

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- Time
- TMNumber
- Rhythm
- Meds
- Dose
- Route
- Results
- Common Null Values

ROUTE

Tag Name

- Route

Definition

Two-letter code indicating the route of medication administration

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	Yes	Accepts Null	Yes, common null values
Minimum Constraint	2	Maximum Constraint	2

Field Values

IM Intramuscular	SL Sublingual
IN Inhaled/Inhalation/Intranasal	SQ Subcutaneous
IO Intraosseous	LB Left Behind
IV Intravenous	TA Prior to Arrival
PO By Mouth/ODT	

Additional Information

- Max occurrence for this field is 20
- 'TA' can only be used with the following Meds: 'PAS', 'PNA', or PEP

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- Time
- TMNumber
- Rhythm
- Meds
- Dose
- DoseUnits
- Results
- Common Null Values

RESULT

Tag Name

- Results

Definition

The effect the medication had on the patient

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	Yes	Accepts Null	Yes, common null values
Minimum Constraint	1	Maximum Constraint	2

Field Values

0 No Pain	6 Moderate Pain
1 Some Discomfort	7 Moderate Pain
2 Some Discomfort	8 Severe Pain
3 Having Discomfort	9 Severe Pain
4 Having Discomfort	10 Most Severe Pain
5 Mild Pain	N No Change
- Deteriorated	+ Improved

Additional Information

- Max occurrence for this field is 20

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- Time
- TMNumber
- Rhythm
- Meds
- Dose
- DoseUnits
- Route
- Common Null Values

DEFIBRILLATION

DEFIB TIME

Tag Name

- Time

Definition

Time of day when defibrillation or cardioversion occurred

Technical Information

XSD Data Type	xs:time	Required in XSD	Yes
Multiple Entry Configuration	Yes	Accepts Null	Yes, common null values

Field Values

- Collected as HH:MM:SS
- Use 24-hour clock

Additional Information

- Max occurrence for this field is 20

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- TMNumber
- Defib
- Joules
- Results
- Common Null Values

TM

Tag Name

- TMNumber

Definition

The number of the team member who defibrillated or cardioverted the patient

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	Yes	Accepts Null	Yes, common null values
Minimum Constraint	1	Maximum Constraint	1

Field Values

- Free text

Additional Information

- Max occurrence for this field is 20

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- Time
- Defib
- Joules
- Results
- Common Null Values

DEFIB

Tag Name

- Defib

Definition

Checkbox indicating whether the patient was defibrillated or cardioverted

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	Yes	Accepts Null	Yes, common null values
Minimum Constraint	3	Maximum Constraint	3

Field Values

- **CAR** Cardioversion
- **DEF** Defibrillation

Additional Information

- Max occurrence for this field is 20

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- Time
- TMNumber
- Joules
- Results
- Common Null Values

JOULES

Tag Name

- Joules

Definition

The amount of energy delivered to the patient during defibrillation or cardioversion, if known

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	Yes	Accepts Null	Yes, common null values
Minimum Constraint	1	Maximum Constraint	3

Field Values

- Up to three-digit positive numeric value
- **AED** AED

Additional Information

- Max occurrence for this field is 20
- If an AED is used to defibrillate the patient, the amount of energy will not be known so "AED" should be documented by the providers for these patients

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- Time
- TMNumber
- Defib
- Results
- Common Null Values

RESULT

Tag Name

- Results

Definition

Two- or three-letter code indicating the patient's subsequent rhythm(s) on the cardiac monitor following defibrillation or cardioversion

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	Yes	Accepts Null	Yes, common null values
Minimum Constraint	2	Maximum Constraint	3

Field Values

1HB First degree Heart Block	PM Pacemaker Rhythm
2HB Second degree Heart Block	PST Paroxysmal Supraventricular Tachycardia
3HB Third degree Heart Block	PVC Premature Ventricular Contraction
AFL Atrial Flutter	SA Sinus Arrhythmia
AFI Atrial Fibrillation	SB Sinus Bradycardia
AGO Agonal Rhythm	SR Sinus Rhythm
ASY Asystole	ST Sinus Tachycardia
AVR Accelerated Ventricular Rhythm	SVT Supraventricular Tachycardia
IV Idioventricular Rhythm	UNS Unknown Non-Shockable Rhythm (AED)
JR Junctional Rhythm	US Unknown Shockable Rhythm (AED)
PAC Premature Atrial Contraction	VF Ventricular Fibrillation
PAT Paroxysmal Atrial Tachycardia	VT Ventricular Tachycardia
PEA Pulseless Electrical Activity	

Additional Information

- Max occurrence for this field is 20

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- Time
- TMNumber
- Defib
- Joules
- Common Null Values

PATIENT ASSESSMENT

PATIENT NUMBER

Tag Name

- PatientNumber

Definition

Number identifying the patient amongst the total number of patients involved in an incident

Technical Information

XSD Data Type	xs:nonNegativeInteger	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values
Minimum Constraint	1	Maximum Constraint	2

Field Values

- Up to two-digit positive numeric value

Additional Information

- If there is only one patient write "Pt.# 1 of 1"
- If there are two patients, and the patient is identified by the paramedics as the second patient, write "Pt.# 2 of 2"

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- TotalPatients
- NumberOfPatientsTransported
- Common Null Values

TOTAL PATIENT NUMBER

Tag Name

- TotalPatients

Definition

The total number of patients involved in the incident

Technical Information

XSD Data Type	xs:nonNegativeInteger	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values
Minimum Constraint	1	Maximum Constraint	2

Field Values

- Up to a two-digit positive numeric value

Additional Information

- If there is only one patient write "Pt.# 1 of 1"
- If there are two patients, and the patient is identified by the paramedics as the second patient, write "Pt.# 2 of 2"

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- PatientNumber
- NumberOfPatientsTransported
- Common Null Values

NUMBER OF PATIENTS TRANSPORTED

Tag Name

- NumberOfPatientsTransported

Definition

The total number of patients transported from an incident

Technical Information

XSD Data Type	xs:nonNegativeInteger	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values
Minimum Constraint	1	Maximum Constraint	2

Field Values

- Up to two-digit positive numeric value

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- PatientNumber
- TotalPatients
- Common Null Values

AGE

Tag Name

- Age

Definition

Numeric value for the age (either calculated from date of birth or best approximation) of the patient

Technical Information

XSD Data Type	xs:nonNegativeInteger	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, NA only
Minimum Constraint	1	Maximum Constraint	3

Field Values

- Up to three-digit positive numeric value

Additional Information

- When Run Type=C, E, or N, the only acceptable value is 'Not Applicable' (BIU=1)

Data Source Hierarchy

- EMS Provider
- Auto-generated by the EMS provider's electronic capture device from the patient's date of birth (DOB)

Other Associated Elements

- AgeUnit
- DateofBirth
- Common Null Values

UNITS OF AGE

Tag Name

- AgeUnit

Definition

Checkbox indicating the unit of measurement used to report the age of the patient

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, NA only
Minimum Constraint	1	Maximum Constraint	2

Field Values

Y Years	M Months	D Days	W Weeks	H Hours
YE Years Estimated	ME Months Estimated	DE Days Estimated	WE Weeks Estimated	HE Hours Estimated

Additional Information

- When Run Type=C, E, or N, the only acceptable value is 'Not Applicable' (BIU=1)

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- Age
- DateofBirth
- Common Null Values

GENDER

Tag Name

- Sex

Definition

Checkbox indicating the gender of the patient

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, NA only
Minimum Constraint	1	Maximum Constraint	1

Field Values

- **M** Male
- **F** Female
- **N** Nonbinary

Additional Information

- When Run Type=C, E, or N, the only acceptable value is 'Not Applicable' (BIU=1)

Data Source Hierarchy

- Patient
- EMS Provider

Other Associated Elements

- Common Null Values

WT

Tag Name

- Weight

Definition

Numeric value of the weight of the patient (either as stated or best approximation)

Technical Information

XSD Data Type	xs:nonNegativeInteger	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values
Minimum Constraint	1	Maximum Constraint	3

Field Values

- Up to three-digit positive numeric value

Data Source Hierarchy

- Patient
- Family Member
- Caretaker
- EMS Provider

Other Associated Elements

- WeightUnit
- PedsWeightColorCode
- Common Null Values

UNITS OF WEIGHT

Tag Name

- WeightUnit

Definition

Checkbox indicating the unit of measurement used to report patient's weight

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values
Minimum Constraint	1	Maximum Constraint	1

Field Values

- K Kilograms (kg)

Additional Information

- All weights provided in pounds need to be converted to kilograms. Conversion from pounds to kilograms is accomplished by dividing the weight in pounds by 2.2

Data Source Hierarchy

- Patient
- Family Member
- Caretaker
- EMS Provider

Other Associated Elements

- Weight
- PedsWeightColorCode
- Common Null Values

PEDS COLOR CODE

Tag Name

- PedsWeightColorCode

Definition

Color that corresponds with the length of an infant or child as measured on a length-based pediatric resuscitation tape

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values
Minimum Constraint	1	Maximum Constraint	1

Field Values

3 Grey 3	4 Grey 4	5 Grey 5	O Orange	U Purple
R Red	W White	Y Yellow	E Green	
B Blue	S Too Short	T Too Tall	I Pink	

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- Weight
- WeightUnit
- Common Null Values

DISTRESS LEVEL

Tag Name

- DistressLevel

Definition

Checkbox indicating the EMS providers' impression of the level of discomfort or severity of illness of the patient, based on assessment of signs, symptoms, and complaints

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values
Minimum Constraint	1	Maximum Constraint	1

Field Values

D Mild	M Moderate
S Severe	N None

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- Common Null Values

COMPLAINT

Tag Name

- Complaint

Definition

Two-letter code(s) representing the patient's most significant medical or trauma complaints

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	Yes	Accepts Null	Yes, NA only
Minimum Constraint	2	Maximum Constraint	2

Field Values

Medical Complaints							
AP	Abdominal/Pelvic Pain	CC	Cough/Congestion	LA	Labor	PO	Poisoning
AD	Agitated Delirium	DC	Medical Device Complaint	LN	Local Neurological Signs	PS	Palpitations
AR	Allergic Reaction	DI	Dizzy	NV	Nausea/Vomiting	RA	Respiratory Arrest
AL	Altered LOC	DO	DOA (Dead On Arrival)	ND	Near Drowning	SE	Seizure
AE	Apneic Episode	DY	Dysrhythmia	NB	Neck/Back Pain	SB	Shortness of Breath
EH	Behavioral	FE	Fever	NW	Newborn	SY	Syncope
OS	Bleeding Other Site	FB	Foreign Body	NC	No Medical Complaint	VA	Vaginal Bleed
RU	Brief Resolved Unexplained Event	GI	Gastrointestinal Bleed	NO	Nosebleed	WE	Weak
CA	Cardiac Arrest	HP	Head Pain	OB	Obstetrics	OT	Other
CP	Chest Pain	HY	Hypoglycemia	OP	Other Pain		
CH	Choking/Airway Obstruction	IM	Inpatient Medical	OD	Overdose		

Trauma Complaints (B=Blunt, P=Penetrating)					
NA	No Apparent Injuries	BH	Blunt Head	BD	Diffuse Abdominal Tenderness
BU	Burns/Shock	14	Blunt Head Injury w/GCS <= 14	BG/PG BK/PK	Genitals/Buttocks
CB	Critical Burn	PH	Penetrating Head	BE PE	Extremities
90	SBP <90, <70 (<1 yr)	BF PF	Face/Mouth	PX	Ext. ↑ knee/elbow
RR	Respiratory rate <10/>29	BN PN	Neck	BR	Fractures ≥ 2 long bones
SX	Suspected Pelvic Fracture	BB PB	Back	BI PI	Amp. ↑ wrist/ankle
SC	Spinal Cord with Deficit	BC PC	Chest	BV PV	Neuro/Vasc./Mangled
IT	Inpatient Trauma	FC	Flail Chest	BP PP	Tension Pneumo.
UB	Uncontrolled Bleeding	BT PT	Traumatic Arrest		
BL PL	Minor Laceration/Contusion/Abrasion	BA PA	Abdomen		

Additional Information

- **REQUIRED** on all records, except when run type=C, E, or N
- OT (Other) is **never** the first complaint if there is a defined complaint and cannot be listed as a subsequent value if the first copy of complaint is a valid value not=OT
- Cannot send duplicate copies of the same complaint
- Patients with a mechanism of injury documented must also have a trauma complaint and provider impression code documented – and vice versa
- When Run Type=C, E, or N, the only acceptable value is 'Not Applicable' (BIU=1)

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- MechanismOfInjury
- RunType
- ProviderImpression
- Common Null Values

MECHANISM OF INJURY

Tag Name

- MechanismOfInjury

Definition

Checkboxes indicating how the patient was injured

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	Yes	Accepts Null	Yes, common null values
Minimum Constraint	2	Maximum Constraint	2

Field Values

SB	Seat Belt	CS	Car Seat/Booster	TD	Telemetry Data
AB	Air Bag	MM	Motorcycle/Moped	AC	Anticoagulants
EV	Enclosed Vehicle	FA	Fall	SC	Special Considerations
EJ	Ejected	10	Fall >10 ft	AN	Animal Bite
EX	Extricated	TA	Taser	CR	Crush
12	>12 inches, occupied	AS	Assault	ES	Electrical Shock
18	>18 inches, unoccupied	ST	Stabbing	TB	Thermal Burn
SF	Survived Fatal Accident	GS	GSW	WR	Work-Related
20	Impact > 20mph	SP	Sports/Recreation	UN	Unknown
RT	Ped/Bike Runover/Thrown/ > 20mph	SA	Self-Inflict'd/Acc.	OT	Other
PB	Ped/Bike ≤ 20mph	SI	Self-Inflict'd/Int.		
HL	Helmet	HE	Hazmat Exposure		

Additional Information

- Patients with a mechanism of injury documented must also have a trauma complaint and provider impression code documented – and vice versa
- Cannot send duplicate copies of the same mechanism of injury

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- Complaint
- ProviderImpression
- ExtricationTime
- Common Null Values

TIME EXTRICATED

Tag Name

- ExtricationTime

Definition

Time of day that the patient was removed from the vehicle when use of a pneumatic tool was required

Technical Information

XSD Data Type	xs:time	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values

Field Values

- Collected as HH:MM:SS
- Use 24-hour clock

Additional Information

- Required if MOI= EX

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- MechanismOfInjury
- Common Null Values

IMPRESSION

Tag Name

- ProviderImpression

Definition

Four-letter codes representing the paramedic's impression of the patient's presentation

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	Yes	Accepts Null	Yes, common null values
Minimum Constraint	4	Maximum Constraint	4

Field Values

ABOP	Abdominal Pain/Problems	ELCT	Electrocution	PREG	Pregnancy Complications
AGDE	Agitated Delirium	ENTP	ENT/Dental Emergencies	LABR	Pregnancy/Labor
CHOK	Airway Obstruction/Choking	NOBL	Epistaxis	RARF	Respiratory Arrest/Failure
ETOH	Alcohol Intoxication	EXNT	Extremity Pain/Swelling – Non- Traumatic	SOBB	Resp. Distress/Bronchospasm
ALRX	Allergic Reaction	EYEP	Eye Problem – Unspecified	RDOT	Resp. Distress/Other
ALOC	ALOC – Not Hypoglycemia or Seizure	FEVR	Fever	CHFF	Resp. Distress/Pulmonary Edema/CHF
ANPH	Anaphylaxis	GUDO	Genitourinary Disorder – Unspecified	SEAC	Seizure – Active
PSYC	Behavioral/Psychiatric Crisis	DCON	HazMat Exposure	SEPI	Seizure – Postictal
BPNT	Body Pain – Non Traumatic	HPNT	Headache – Non- Traumatic	SEPS	Sepsis
BRUE	BRUE	HYPR	Hyperglycemia	SHOK	Shock
BURN	Burns	HYTN	Hypertension	SMOK	Smoke Inhalation
COMO	Carbon Monoxide	HEAT	Hyperthermia	STNG	Stings/Venomous Bites
CANT	Cardiac Arrest– Non- Traumatic	HYPO	Hypoglycemia	STRK	Stroke/CVA/TIA
DYSR	Cardiac Dysrhythmia	HOTN	Hypotension	DRWN	Submersion/Drowning
CPNC	Chest Pain – Not Cardiac	COLD	Hypothermia/Cold Injury	SYNC	Syncope/Near Syncope
CPMI	Chest Pain – STEMI	INHL	Inhalation Injury	CABT	Traumatic Arrest – Blunt
CPSC	Chest Pain – Suspected Cardiac	LOGI	Lower GI Bleeding	CAPT	Traumatic Arrest – Penetrating
BRTH	Childbirth (Mother)	FAIL	Medical Device Malfunction – Fail	TRMA	Traumatic Injury
COFL	Cold/Flu Symptoms	NAVM	Nausea/Vomiting	UPGI	Upper GI Bleeding
DRHA	Diarrhea	BABY	Newborn	VABL	Vaginal Bleeding
DIZZ	Dizziness/Vertigo	NOMC	No Medical Complaint	WEAK	Weakness – General
DEAD	DOA – Obvious Death	ODPO	Overdose/Poisoning/Ingestion		
DYRX	Dystonic Reaction	PALP	Palpitations		

Additional Information

- **REQUIRED** on all records, except when run type=C, E, or N
- When Run Type=C, E, or N, the only acceptable value is 'Not Applicable' (BIU=1)

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- Complaint
- Common Null Values

ALLERGIC TO ASA?

Tag Name

- AllergicASA

Definition

Checkbox indicating whether the patient is allergic to aspirin

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values
Minimum Constraint	1	Maximum Constraint	1

Field Values

- Y Yes
- N No

Data Source Hierarchy

- Patient
- EMS Provider

Other Associated Elements

- Common Null Values

SUSPECTED ETOH?

Tag Name

- ETOHSuspected

Definition

Checkbox indicating that statements by the patient, family, or bystanders and/or the situation and behavior suggest the patient has ingested alcohol

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values
Minimum Constraint	1	Maximum Constraint	1

Field Values

- **Y** Yes
- **N** No

Data Source Hierarchy

- Patient
- Family Member
- Caregiver
- EMS Provider
- Bystander

Other Associated Elements

- Common Null Values

SUSPECTED DRUGS?

Tag Name

- DrugsSuspected

Definition

Checkbox indicating that statements by the patient, family, or bystanders and/or the situation and behavior suggest the patient has used drugs

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values
Minimum Constraint	1	Maximum Constraint	1

Field Values

- **Y** Yes
- **N** No

Data Source Hierarchy

- Patient
- Family Member
- Caregiver
- EMS Provider
- Bystander

Other Associated Elements

- IfYes
- Route
- Common Null Values

IF YES:

Tag Name

- IfYes

Definition

Checkbox(es) indicating what drug(s) the patient has used

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	Yes	Accepts Null	Yes, common null values
Minimum Constraint	3	Maximum Constraint	3

Field Values

- **AMP** Amphetamines
- **HER** Heroin
- **COC** Cocaine
- **THC** Cannabis
- **OOP** Other Opioid
- **OTH** Other

Data Source Hierarchy

- Patient
- Family Member
- Caregiver
- EMS Provider
- Bystander

Other Associated Elements

- DrugsSuspected
- Route
- Common Null Values

ROUTE

Tag Name

- Route

Definition

Checkbox indicating what route the patient utilized to administer drug(s)

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	Yes	Accepts Null	Yes, common null values
Minimum Constraint	3	Maximum Constraint	3

Field Values

- **INJ** Injected
- **ING** Ingested
- **INH** Inhaled
- **OTH** Other

Data Source Hierarchy

- Patient
- Family Member
- Caregiver
- EMS Provider
- Bystander

Other Associated Elements

- DrugsSuspected
- IfYes
- Common Null Values

PHYSICAL SIGNS

PUPILS

Tag Name

- Pupil

Definition

Checkboxes indicating the findings from assessment of the patient's initial pupillary response to light

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	Yes	Accepts Null	Yes, common null values
Minimum Constraint	1	Maximum Constraint	1

Field Values

P PERL	I Pinpoint	S Sluggish	F Fixed & Dilated
C Cataracts	U Unequal	N Patient's Normal	

Additional Information

- If a value of "N" is documented, another value must also be entered, for example "S"

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- Common Null Values

RESP

Tag Name

- Resp

Definition

Checkboxes indicating findings from initial assessment of the patient's respiratory system

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	Yes	Accepts Null	Yes, common null values
Minimum Constraint	1	Maximum Constraint	1

Field Values

N Normal	R Rales
C Clear	A Apnea
W Wheezes	G Snoring
H Rhonchi	J JVD (Jugular Venous Distension)
U Unequal	M AMU (Accessory Muscle Use)
S Stridor	L Labored

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- TidalVolume
- Common Null Values

TIDAL VOLUME

Tag Name

- TidalVolume

Definition

Checkbox indicating the depth of inspiration observed during the initial assessment of the patient's respiratory system

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values
Minimum Constraint	1	Maximum Constraint	1

Field Values

- **N** Normal
- **+** Increased
- **-** Decreased

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- Resp
- Common Null Values

SKIN

Tag Name

- Skin

Definition

Checkboxes indicating findings from assessment of the patient's initial skin signs

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	Yes	Accepts Null	Yes, common null values
Minimum Constraint	1	Maximum Constraint	1

Field Values

N Normal	H Hot
C Cyanotic	L Cold
P Pale	D Diaphoretic
F Flushed	

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- Common Null Values

CAP REFILL

Tag Name

- CapillaryRefill

Definition

Checkbox indicating the findings from assessment of the patient's initial capillary refill time

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values
Minimum Constraint	1	Maximum Constraint	1

Field Values

- R Normal
- E Delayed

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- Skin
- Common Null Values

FIRST 12 LEAD TIME

Tag Name

- Lead12Time1st

Definition

Time of day the first 12-lead ECG was performed

Technical Information

XSD Data Type	xs:time	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values

Field Values

- Collected as HH:MM:SS
- Use 24-hour clock

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- SoftwareInterpretation1st
- EMSInterpretation1st
- Artifact1st
- WavyBaseline1st
- PacedRhythm1st
- Lead121stTransmitted
- Common Null Values

SOFTWARE INTERPRETATION

Tag Name

- SoftwareInterpretation1st

Definition

Checkbox indicating the software interpretation of the 1st 12-lead ECG performed

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values
Minimum Constraint	2	Maximum Constraint	2

Field Values

- **NL** Normal
- **AB** Abnormal
- **MI** STEMI

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- Lead12Time1st
- EMSInterpretation1st
- Artifact1st
- WavyBaseline1st
- PacedRhythm1st
- Lead121stTransmitted
- Common Null Values

EMS INTERPRETATION

Tag Name

- EMSInterpretation1st

Definition

Checkbox indicating EMS personnel's interpretation of the 1st 12-lead ECG performed

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values
Minimum Constraint	2	Maximum Constraint	2

Field Values

- **NL** Normal
- **AB** Abnormal
- **MI** STEMI

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- Lead12Time1st
- SoftwareInterpretation1st
- Artifact1st
- WavyBaseline1st
- PacedRhythm1st
- Lead121stTransmitted
- Common Null Values

ARTIFACT

Tag Name

- Artifact1st

Definition

Checkbox indicating whether artifact was observed on the 1st 12-lead ECG performed

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values
Minimum Constraint	1	Maximum Constraint	1

Field Values

- Y Yes
- N No

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- Lead12Time1st
- SoftwareInterpretation1st
- EMSInterpretation1st
- WavyBaseline1st
- PacedRhythm1st
- Lead121stTransmitted
- Common Null Values

WAVY BASELINE

Tag Name

- WavyBaseline1st

Definition

Checkbox indicating whether the baseline of the ECG tracing moves with respiration on the 1st 12-lead ECG performed

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values
Minimum Constraint	1	Maximum Constraint	1

Field Values

- Y Yes
- N No

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- Lead12Time1st
- SoftwareInterpretation1st
- EMSInterpretation1st
- Artifact1st
- PacedRhythm1st
- Lead121stTransmitted
- Common Null Values

PACED RHYTHM

Tag Name

- PacedRhythm1st

Definition

Checkbox indicating whether a pacemaker generated rhythm was present on the 1st 12-lead ECG performed

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values
Minimum Constraint	1	Maximum Constraint	1

Field Values

- Y Yes
- N No

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- Lead12Time1st
- SoftwareInterpretation1st
- EMSInterpretation1st
- Artifact1st
- WavyBaseline1st
- Lead121stTransmitted
- Common Null Values

FIRST 12-LEAD TRANSMITTED?

Tag Name

- Lead121stTransmitted

Definition

Checkbox indicating whether the first 12-lead performed was transmitted to the receiving facility

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values
Minimum Constraint	1	Maximum Constraint	1

Field Values

- **Y** Yes
- **N** No

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- Lead12Time1st
- SoftwareInterpretation1st
- EMSInterpretation1st
- Artifact1st
- WavyBaseline1st
- PacedRhythm1st
- Common Null Values

SECOND 12 LEAD TIME

Tag Name

- Lead12Time2nd

Definition

Time of day the second 12-lead ECG was performed

Technical Information

XSD Data Type	xs:time	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values

Field Values

- Collected as HH:MM:SS
- Use 24-hour clock

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- SoftwareInterpretation2nd
- EMSInterpretation2nd
- Artifact2nd
- WavyBaseline2nd
- PacedRhythm2nd
- Lead122ndTransmitted
- Common Null Values

SOFTWARE INTERPRETATION

Tag Name

- SoftwareInterpretation2nd

Definition

Checkbox indicating the software interpretation of the 2nd 12-lead ECG performed

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values
Minimum Constraint	2	Maximum Constraint	2

Field Values

- **NL** Normal
- **AB** Abnormal
- **MI** STEMI

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- Lead12Time2nd
- EMSInterpretation2nd
- Artifact2nd
- WavyBaseline2nd
- PacedRhythm2nd
- Lead122ndTransmitted
- Common Null Values

EMS INTERPRETATION

Tag Name

- EMSInterpretation2nd

Definition

Checkbox indicating EMS personnel's interpretation of the 2nd 12-lead ECG performed

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values
Minimum Constraint	2	Maximum Constraint	2

Field Values

- **NL** Normal
- **AB** Abnormal
- **MI** STEMI

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- Lead12Time2nd
- SoftwareInterpretation2nd
- Artifact2nd
- WavyBaseline2nd
- PacedRhythm2nd
- Lead122ndTransmitted
- Common Null Values

ARTIFACT

Tag Name

- Artifact2nd

Definition

Checkbox indicating whether artifact was observed on the 2nd 12-lead ECG performed

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values
Minimum Constraint	1	Maximum Constraint	1

Field Values

- Y Yes
- N No

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- Lead12Time2nd
- SoftwareInterpretation2nd
- EMSInterpretation2nd
- WavyBaseline2nd
- PacedRhythm2nd
- Lead122ndTransmitted
- Common Null Values

WAVY BASELINE

Tag Name

- WavyBaseline2nd

Definition

Checkbox indicating whether the baseline of the ECG tracing moves with respiration on the 2nd 12-lead ECG performed

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values
Minimum Constraint	1	Maximum Constraint	1

Field Values

- **Y** Yes
- **N** No

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- Lead12Time2nd
- SoftwareInterpretation2nd
- EMSInterpretation2nd
- Artifact2nd
- PacedRhythm2nd
- Lead122ndTransmitted
- Common Null Values

PACED RHYTHM

Tag Name

- PacedRhythm2nd

Definition

Checkbox indicating whether a pacemaker generated rhythm was present on the 2nd 12-lead ECG performed

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values
Minimum Constraint	1	Maximum Constraint	1

Field Values

- Y Yes
- N No

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- Lead12Time2nd
- SoftwareInterpretation2nd
- EMSInterpretation2nd
- Artifact2nd
- WavyBaseline2nd
- Lead122ndTransmitted
- Common Null Values

SECOND 12-LEAD TRANSMITTED?

Tag Name

- Lead122ndTransmitted

Definition

Checkbox indicating whether the second 12-lead performed was transmitted to the receiving facility

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values
Minimum Constraint	1	Maximum Constraint	1

Field Values

- **Y** Yes
- **N** No

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- Lead12Time2nd
- SoftwareInterpretation2nd
- EMSInterpretation2nd
- Artifact2nd
- WavyBaseline2nd
- PacedRhythm2nd
- Common Null Values

SPECIAL CIRCUMSTANCES

DNR/AHCD/POLST?

Tag Name

- DNR_AHCD_POLST

Definition

Checkbox indicating presence of a valid DNR, Advance Healthcare Directive (AHCD), or Physician Order for Life Sustaining Treatment (POLST) form for the patient

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values
Minimum Constraint	1	Maximum Constraint	1

Field Values

- **Y** Yes
- **N** No

Data Source Hierarchy

- Patient
- Family Member
- Caregiver
- EMS Provider

Other Associated Elements

- Common Null Values

SUSPECTED ABUSE/NEGLECT?

Tag Name

- AbuseSuspected

Definition

Checkbox indicating whether family violence, neglect or abuse is suspected

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values
Minimum Constraint	1	Maximum Constraint	1

Field Values

- Y Yes
- N No

Additional Information

- Should have additional documentation of Agency Reported To and Reporting/Confirmation number, within the EMS Report Form

Data Source Hierarchy

- Patient
- Caregiver
- Family Member
- EMS Provider

Other Associated Elements

- Common Null Values

POISON CONTROL CONTACTED?

Tag Name

- PoisonControl

Definition

Checkbox indicating whether poison control was contacted

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values
Minimum Constraint	1	Maximum Constraint	1

Field Values

- Y Yes
- N No

Data Source Hierarchy

- 9-1-1 or Dispatch Center
- EMS Provider
- Patient
- Family Member
- Caregiver

Other Associated Elements

- Common Null Values

DPH NOTIFIED?

Tag Name

- DPHNotified

Definition

Checkbox indicating whether Department of Public Health was contacted

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values
Minimum Constraint	1	Maximum Constraint	1

Field Values

- **Y** Yes
- **N** No

Additional Information

- If ProviderImpression is 'DRWN', must have a valid value (null value is not allowed).

Data Source Hierarchy

- 9-1-1 or Dispatch Center
- EMS Provider
- Patient
- Family Member
- Caregiver

Other Associated Elements

- Provider Impression
- Common Null Values

CONTACTED MED. CIRC. SUPPORT?

Tag Name

- ContactMCS

Definition

Checkbox indicating whether the mechanical circulatory support coordinator was contacted

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values
Minimum Constraint	1	Maximum Constraint	1

Field Values

- Y Yes
- N No

Data Source Hierarchy

- EMS Provider
- Patient
- Family Member
- Caregiver

Other Associated Elements

- Common Null Values

≥ 20 WKS IUP?

Tag Name

- TwentywksIUP

Definition

Checkbox indicating whether the patient is greater than or equal to twenty weeks of intrauterine pregnancy, if applicable

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values
Minimum Constraint	1	Maximum Constraint	1

Field Values

- **Y** Yes
- **N** No

Data Source Hierarchy

- Patient
- Family Member
- Caregiver

Other Associated Elements

- Common Null Values

_ WKS

Tag Name

- WksIUP

Definition

Space indicating the number of weeks of intrauterine pregnancy, if applicable

Technical Information

XSD Data Type	xs:nonNegativeInteger	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values
Minimum Constraint	1	Maximum Constraint	2

Field Values

- Up to two-digit positive numeric value

Data Source Hierarchy

- Patient
- Family Member
- Caregiver

Other Associated Elements

- Common Null Values

BARRIERS TO PATIENT CARE

Tag Name

- BarrierstoPatientCare

Definition

Specific barriers that may potentially impact patient care

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	Yes	Accepts Null	Yes, common null values
Minimum Constraint	1	Maximum Constraint	1

Field Values

H Hearing	L Language
P Physical	S Speech
O Other	

Data Source Hierarchy

- Patient
- Family Member
- Caregiver
- EMS Provider

Other Associated Elements

- Common Null Values

VITAL SIGNS

VITAL SIGN TIME

Tag Name

- Time

Definition

Time of day the patient's vital signs were obtained

Technical Information

XSD Data Type	xs:time	Required in XSD	Yes
Multiple Entry Configuration	Yes	Accepts Null	Yes, common null values

Field Values

- Collected as HH:MM:SS
- Use 24-hour clock

Additional Information

- Max occurrence for this field is 20

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- TMNumber
- SBP
- DBP
- Pulse
- RespRate
- O2Sat
- PainScale
- Temp
- TempUnit
- CO2
- Common Null Values

TM

Tag Name

- TMNumber

Definition

The number of the team member who obtained the patient's vital signs

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	Yes	Accepts Null	Yes, common null values
Minimum Constraint	1	Maximum Constraint	1

Field Values

- Free text

Additional Information

- Max occurrence for this field is 20

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- Time
- SBP
- DBP
- Pulse
- RespRate
- O2Sat
- PainScale
- Temp
- TempUnit
- CO2
- Common Null Values

SYSTOLIC BLOOD PRESSURE

Tag Name

- SBP

Definition

Numeric value of the patient's systolic blood pressure

Technical Information

XSD Data Type	xs:nonNegativeInteger	Required in XSD	Yes
Multiple Entry Configuration	Yes	Accepts Null	Yes, common null values
Minimum Constraint	1	Maximum Constraint	3

Field Values

- Up to three-digit positive numeric value

Additional Information

- Max occurrence for this field is 20

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- Time
- TMNumber
- DBP
- Pulse
- RespRate
- O2Sat
- PainScale
- Temp
- TempUnit
- CO2
- Common Null Values

DIASTOLIC BLOOD PRESSURE

Tag Name

- DBP

Definition

Numeric value of the patient's diastolic blood pressure

Technical Information

XSD Data Type	xs:nonNegativeInteger	Required in XSD	Yes
Multiple Entry Configuration	Yes	Accepts Null	Yes, common null values
Minimum Constraint	1	Maximum Constraint	3

Field Values

- Up to three-digit positive numeric value

Additional Information

- Max occurrence for this field is 20

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- Time
- TMNumber
- SBP
- Pulse
- RespRate
- O2Sat
- PainScale
- Temp
- TempUnit
- CO2
- Common Null Values

PULSE

Tag Name

- Pulse

Definition

Numeric value of the patient's palpated pulse rate

Technical Information

XSD Data Type	xs:nonNegativeInteger	Required in XSD	Yes
Multiple Entry Configuration	Yes	Accepts Null	Yes, common null values
Minimum Constraint	1	Maximum Constraint	3

Field Values

- Up to three-digit positive numeric value

Additional Information

- Max occurrence for this field is 20

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- Time
- TMNumber
- SBP
- DBP
- RespRate
- O2Sat
- PainScale
- Temp
- TempUnit
- CO2
- Common Null Values

RESPIRATORY RATE

Tag Name

- RespRate

Definition

Numeric value of the patient's unassisted respiratory rate

Technical Information

XSD Data Type	xs:nonNegativeInteger	Required in XSD	Yes
Multiple Entry Configuration	Yes	Accepts Null	Yes, common null values
Minimum Constraint	1	Maximum Constraint	2

Field Values

- Up to two-digit positive numeric value

Additional Information

- Max occurrence for this field is 20

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- Time
- TMNumber
- SBP
- DBP
- O2Sat
- PainScale
- Temp
- TempUnit
- CO2
- Common Null Values

O2 SAT

Tag Name

- O2Sat

Definition

Numeric value of the patient's oxygen saturation

Technical Information

XSD Data Type	xs:nonNegativeInteger	Required in XSD	Yes
Multiple Entry Configuration	Yes	Accepts Null	Yes, common null values
Minimum Constraint	1	Maximum Constraint	3

Field Values

- Up to three-digit positive numeric value from 0 to 100

Additional Information

- Max occurrence for this field is 20

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- Time
- TMNumber
- SBP
- DBP
- RespRate
- PainScale
- Temp
- TempUnit
- CO2
- Common Null Values

PAIN

Tag Name

- PainScale

Definition

Numeric value indicating the patient's subjective pain level

Technical Information

XSD Data Type	xs:nonNegativeInteger	Required in XSD	Yes
Multiple Entry Configuration	Yes	Accepts Null	Yes, common null values
Minimum Constraint	1	Maximum Constraint	2

Field Values

0 No Pain	6 Moderate Pain
1 Some Discomfort	7 Moderate Pain
2 Some Discomfort	8 Severe Pain
3 Having Discomfort	9 Severe Pain
4 Having Discomfort	10 Most Severe Pain
5 Mild Pain	

Additional Information

- Max occurrence for this field is 20

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- Time
- TMNumber
- SBP
- DBP
- RespRate
- O2Sat
- Temp
- TempUnit
- CO2
- Common Null Values

TEMP

Tag Name

- Temp

Definition

Numeric value indicating the patient's recorded temperature

Technical Information

XSD Data Type	xs:decimal	Required in XSD	Yes
Multiple Entry Configuration	Yes	Accepts Null	Yes, common null values
Minimum Constraint	2	Maximum Constraint	5

Field Values

- Up to five-digit positive numeric value between 25 and 110

Additional Information

- Max occurrence for this field is 20

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- Time
- TMNumber
- SBP
- DBP
- RespRate
- PainScale
- O2Sat
- TempUnit
- CO2
- Common Null Values

TEMP UNIT

Tag Name

- TempUnit

Definition

Unit of measurement for the patient's recorded temperature

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	Yes	Accepts Null	Yes, common null values
Minimum Constraint	1	Maximum Constraint	1

Field Values

- C Celsius
- F Fahrenheit

Additional Information

- Max occurrence for this field is 20

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- Time
- TMNumber
- SBP
- DBP
- RespRate
- PainScale
- O2Sat
- Temp
- CO2
- Common Null Values

CO2

Tag Name

- CO2

Definition

The subsequent numeric ET_{CO}₂ reading by capnography, if applicable

Technical Information

XSD Data Type	xs:nonNegativeInteger	Required in XSD	Yes
Multiple Entry Configuration	Yes	Accepts Null	Yes, common null values
Minimum Constraint	1	Maximum Constraint	3

Field Values

- Up to three-digit positive numeric value

Additional Information

- Max occurrence for this field is 20

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- Time
- TMNumber
- SBP
- DBP
- RespRate
- PainScale
- O2Sat
- Temp
- TempUnit
- Common Null Values

CARDIAC ARREST

DATE OF ARREST

Tag Name

- ArrestDate

Definition

Date patient first went into cardiac arrest

Technical Information

XSD Data Type	xs:date	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values
Minimum Value	07/01/2021	Maximum Value	Current Date

Field Values

- Collected as standard XML format YYYY-MM-DD

Data Source Hierarchy

- 9-1-1 or Dispatch Center
- EMS Provider

Other Associated Elements

- FirstArrestTime
- Common Null Values

TIME OF 1ST ARREST

Tag Name

- FirstArrestTime

Definition

Time of day the patient first went into cardiac arrest

Technical Information

XSD Data Type	xs:time	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values

Field Values

- Collected as HH:MM:SS
- Use 24-hour clock

Data Source Hierarchy

- 9-1-1 or Dispatch Center
- EMS Provider

Other Associated Elements

- ArrestDate
- Common Null Values

ARREST WITNESSED BY

Tag Name

- ArrestWitnessedBy

Definition

Checkbox indicating who witnessed the patient first going into cardiac arrest

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values
Minimum Constraint	2	Maximum Constraint	2

Field Values

FE	First Responder EMS (assessment unit, truck, etc.)	LE	Law Enforcement	TU	Transport Unit (squad or rescue)
FM	Family Member	LP	Lay Person		
HP	Healthcare Provider	NO	None		

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- Common Null Values

PRESUMED CARDIAC ARREST ETIOLOGY

Tag Name

- PresumedArrestEtiology

Definition

Checkbox indicating what likely caused the patient to first go into cardiac arrest

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values
Minimum Constraint	2	Maximum Constraint	2

Field Values

DS	Drowning/Submersion	OD	Drug Overdose	SE	Sepsis
EL	Electrocution	PC	Presumed Cardiac Etiology	TR	Trauma
EX	Exsanguination/Hemorrhage (non-traumatic)	RA	Respiratory/Asphxia	OT	Other

Additional Information

- Cardiac arrests due to drowning or hanging, are considered to be due to asphyxia not trauma.

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- Common Null Values

IF OTHER, PLEASE EXPLAIN

Tag Name

- IfOtherExplain

Definition

Field provided to specify why “Other” was selected as the presumed cardiac arrest etiology

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values
Minimum Constraint	2	Maximum Constraint	60

Field Values

- Free text

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- PresumedArrestEtiology
- Common Null Values

WERE DISPATCHER CPR INSTRUCTIONS PROVIDED?

Tag Name

- DispatchCPRInstructions

Definition

Checkbox indicating whether CPR instructions were provided by the dispatcher to the 9-1-1 caller

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values
Minimum Constraint	1	Maximum Constraint	1

Field Values

- Y Yes
- N No
- U Unknown

Data Source Hierarchy

- 9-1-1 Caller
- EMS Provider

Other Associated Elements

- Common Null Values

RESUSCITATION ATTEMPTED BY AN ACLS PROVIDER?

Tag Name

- ACLSResuscitation

Definition

Checkbox indicating whether the Advanced Cardiovascular Life Support (ACLS) provider on scene provided resuscitation

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values
Minimum Constraint	1	Maximum Constraint	1

Field Values

- **Y** Yes
- **N** No

Additional Information

- Includes CPR, defibrillation, and/or other related ACLS techniques

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- Common Null Values

WHO INITIATED CPR?

Tag Name

- WhoInitiatedCPR

Definition

Checkbox indicating who initiated CPR on the patient

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values
Minimum Constraint	2	Maximum Constraint	2

Field Values

FE	First Responder EMS (assessment unit, truck, etc.)	LE	Law Enforcement	TU	Transport Unit (squad or rescue)
FM	Family Member	LP	Lay Person		
HP	Healthcare Provider	NO	No CPR Performed		

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- TimeOfByStanderCPR
- TypeOfBystanderCPR
- Common Null Values

ARREST TO CPR

Tag Name

- ArresttoCPR

Definition

The number of minutes from the time of cardiopulmonary arrest to the time citizen or EMS CPR is initiated

Technical Information

XSD Data Type	xs:nonNegativeInteger	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values
Minimum Constraint	1	Maximum Constraint	2

Field Values

- Up to two-digit positive numeric value

Additional Information

- Collected as minutes

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- ArrestDetailsReasonForWithholding
- EMSCPRTIME
- Time814
- Common Null Values

TIME OF BYSTANDER CPR

Tag Name

- TimeOfByStanderCPR

Definition

Time of day a bystander began to perform CPR on the patient

Technical Information

XSD Data Type	xs:time	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values

Field Values

- Collected as HH:MM:SS
- Use 24-hour clock

Additional Information

- Bystander includes family members, healthcare providers, law enforcement, and lay people

Data Source Hierarchy

- Family Member
- Lay Person
- Law Enforcement
- Healthcare Provider
- EMS Provider

Other Associated Elements

- WhoInitiatedCPR
- TypeOfBystanderCPR
- Common Null Values

TYPE OF BYSTANDER CPR

Tag Name

- TypeOfBystanderCPR

Definition

Checkbox indicating the type of CPR provided by a bystander

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values
Minimum Constraint	1	Maximum Constraint	2

Field Values

- **C** Compressions Only
- **CV** Compressions and Ventilations
- **V** Ventilations Only
- **U** Unknown

Data Source Hierarchy

- Family Member
- Lay Person
- Law Enforcement
- Healthcare Provider
- EMS Provider

Other Associated Elements

- WhoInitiatedCPR
- TimeOfByStanderCPR
- Common Null Values

EMS CPR TIME

Tag Name

- EMSCPRTIME

Definition

Time of day cardiopulmonary resuscitation was begun by EMS personnel

Technical Information

XSD Data Type	xs:time	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values

Field Values

- Collected as HH:MM:SS
- Use 24-hour clock

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- WhoInitiatedCPR
- ArresttoCPR
- Common Null Values

WAS AN AED APPLIED?

Tag Name

- AEDApplied

Definition

Checkbox indicating whether an Automatic External Defibrillator (AED) was applied to the patient

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values
Minimum Constraint	1	Maximum Constraint	3

Field Values

- **YWD** Yes, with defibrillation
- **YWO** Yes, without defibrillation
- **N** No

Data Source Hierarchy

- Family Member
- Lay Person
- Law Enforcement
- Healthcare Provider
- EMS Provider

Other Associated Elements

- WhoFirstAppliedAED
- WhoFirstDefibrillated
- TimeOfAEDShock
- Common Null Values

WHO FIRST APPLIED AED?

Tag Name

- WhoFirstAppliedAED

Definition

Checkbox indicating who first applied the AED to the patient

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values
Minimum Constraint	2	Maximum Constraint	2

Field Values

FE	First Responder EMS (assessment unit, truck, etc.)	HP	Healthcare Provider	LP	Lay Person
FM	Family Member	LE	Law Enforcement	TU	Transport Unit (squad or rescue)

Additional Information

- If AEDApplied is 'YWD' or 'YWO', must have a valid value (Null value is not allowed)

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- AEDApplied
- WhoFirstDefibrillated
- TimeofAEDShock
- Common Null Values

WHO FIRST DEFIBRILLATED THE PATIENT?

Tag Name

- WhoFirstDefibrillated

Definition

Checkbox indicating who first defibrillated the patient

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values
Minimum Constraint	2	Maximum Constraint	2

Field Values

FE	First Responder EMS (assessment unit, truck, etc.)	LE	Law Enforcement	TU	Transport Unit (squad or rescue)
FM	Family Member	LP	Lay Person		
HP	Healthcare Provider	NO	Patient was not defibrillated		

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- AEDApplied
- WhoFirstAppliedAED
- TimeofAEDShock
- Common Null Values

TIME OF AED SHOCK

Tag Name

- TimeOfAEDShock

Definition

Time of day a shock was delivered to the patient by an AED

Technical Information

XSD Data Type	xs:time	Required in XSD	Yes
Multiple Entry Configuration	Yes	Accepts Null	Yes, common null values

Field Values

- Collected as HH:MM:SS
- Use 24-hour clock

Data Source Hierarchy

- Family Member
- Lay Person
- Law Enforcement
- Healthcare Provider
- EMS Provider

Other Associated Elements

- Common Null Values

FIRST ARREST RHYTHM OF PATIENT

Tag Name

- FirstArrestRhythm

Definition

Checkbox indicating the first cardiac rhythm observed during the initial cardiac arrest

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values
Minimum Constraint	2	Maximum Constraint	3

Field Values

ASY	Asystole	UNS	Unknown Non-Shockable Rhythm (AED)	VF	Ventricular Fibrillation
PEA	Pulseless Electrical Activity	US	Unknown Shockable Rhythm (AED)	VT	Ventricular Tachycardia

Additional Information

- If ProviderImpression is 'CANT', 'CABT', or 'CAPT', must have a valid value (Null value is not accepted) except when ProviderImpression= 'CABT' or 'CAPT' and ReasonForWithholding has a non-null value

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- Common Null Values

MECHANICAL CPR DEVICE USED?

Tag Name

- MechanicalCPRDeviceUsed

Definition

Checkbox indicating whether a mechanical device was used to provide CPR to the patient

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values
Minimum Constraint	1	Maximum Constraint	1

Field Values

- Y Yes
- N No

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- IfYesSpecify
- Common Null Values

IF YES, PLEASE SPECIFY

Tag Name

- IfYesSpecify

Definition

Field provided to specify why what type of mechanical CPR device was used

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values
Minimum Constraint	2	Maximum Constraint	2

Field Values

- **AP** AutoPulse
- **LU** Lucas
- **TH** Thumper
- **OT** Other

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- MechanicalCPRDeviceUsed
- IfOtherSpecify
- Common Null Values

IF OTHER, PLEASE SPECIFY

Tag Name

- IfOtherSpecify

Definition

Field provided to specify what other type of mechanical CPR device was used

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values
Minimum Constraint	2	Maximum Constraint	40

Field Values

- Free text

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- MechanicalCPRDeviceUsed
- IfYesSpecify
- Common Null Values

AUTOMATED CPR FEEDBACK DEVICE USED?

Tag Name

- AutomatedCPRFeedbackDevice

Definition

Checkbox indicating whether an automated CPR feedback device was used during CPR

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values
Minimum Constraint	1	Maximum Constraint	1

Field Values

- Y Yes
- N No

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- Common Null Values

ITD USED?

Tag Name

- ITDUsed

Definition

Checkbox indicating whether an impedance threshold device (ITD) was used during CPR

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values
Minimum Constraint	1	Maximum Constraint	1

Field Values

- Y Yes
- N No

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- Common Null Values

RESTORATION OF PULSE TIME

Tag Name

- RestorationofPulseTime

Definition

Time of day when return of spontaneous return of circulation (ROSC) occurred

Technical Information

XSD Data Type	xs:time	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values

Field Values

- Collected as HH:MM:SS
- Use 24-hour clock

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- SustainedROSC
- Common Null Values

SUSTAINED ROSC?

Tag Name

- SustainedROSC

Definition

Checkbox indicating whether sustained ROSC occurred, which is defined as persistent signs of circulation, with no chest compressions required, for at least twenty (20) consecutive minutes

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values
Minimum Constraint	1	Maximum Constraint	1

Field Values

- **Y** Yes
- **N** No
- **E** Arrived at ED prior to 20 minutes

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- RestorationofPulseTime
- Common Null Values

END OF EVENT

Tag Name

- EndOfEvent

Definition

Checkbox indicating the end of the cardiac arrest event

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values
Minimum Constraint	2	Maximum Constraint	2

Field Values

- **DN** Effort ceased due to DNR
- **OE** Ongoing resuscitation in ED
- **PF** Pronounced/TOR in field
- **PE** Pronounced in ED

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- ReasonForWithholding
- Time814
- ResuscitationDiscontinuedTime
- Common Null Values

TIME OF 814 DEATH

Tag Name

- Time814

Definition

Time of day EMS personnel determines patient meets Reference 814 death criteria

Technical Information

XSD Data Type	xs:time	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values

Field Values

- Collected as HH:MM:SS
- Use 24-hour clock

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- ArrestDetailsReasonForWithholding
- ArresttoCPR
- EMSCPRTIME
- Common Null Values

PRONOUNCED TIME

Tag Name

- ResuscitationDiscontinuedTime

Definition

Time of day when patient was pronounced dead by the base hospital

Technical Information

XSD Data Type	xs:time	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values

Field Values

- Collected as HH:MM:SS
- Use 24-hour clock

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- PatientPronouncedBy
- PronouncedRhythm
- Common Null Values

PRONOUNCED BY

Tag Name

- PatientPronouncedBy

Definition

The name of the base hospital physician that pronounced the patient dead

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values
Minimum Constraint	1	Maximum Constraint	25

Field Values

- Free text

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- ResuscitationDiscontinuedTime
- PronouncedRhythm
- Common Null Values

REASON FOR WITHHOLDING RESUSCITATION

Tag Name

- ReasonForWithholding

Definition

Checkbox indicating why resuscitation was discontinued or withheld

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	Yes	Accepts Null	Yes, common null values
Minimum Constraint	2	Maximum Constraint	2

Field Values

BT Blunt Trauma	LI Lividity	OT Other Reason
DN DNR/AHCD/POLST	RI Rigor	
FA Family Request	TR Termination of Resuscitation (T.O.R)	

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- EndOfEvent
- Time814
- Common Null Values

RESUS D/C RHYTHM

Tag Name

- ResusDCRhythm

Definition

Two- or three-letter code identifying the cardiac rhythm reported when resuscitative measures were terminated or patient was pronounced dead by the base hospital

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values
Minimum Constraint	2	Maximum Constraint	3

Field Values

AGO Agonal Rhythm	PEA Pulseless Electrical Activity
ASY Asystole	VF Ventricular Fibrillation
IV Idioventricular Rhythm	

Data Source Hierarchy

- EMS Povider

Other Associated Elements

- ResuscitationDiscontinuedTime
- PatientPronouncedBy
- Common Null Values

THERAPIES

THERAPIES

Tag Name

- Therapy

Definition

Checkbox indicating what procedure(s) were performed on the patient

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	Yes	Accepts Null	Yes, common null values
Minimum Constraint	2	Maximum Constraint	2

Field Values

HM	Assisted with Home Meds	OX	Oxygen	IV	Intravenous Insertion
BB	Back Blows/Thrusts	RE	Restraints	IO	IntraOsseous Insertion
BM	BMV (Bag/ Mask ventilations)	DI	Distal CSM (Circulation/Sensation/Motor) Intact	TH	Needle Thoracostomy
BS	Breath Sounds	SI	Spinal Motion Restriction	VM	Vagal Maneuvers
CR	Chest Rise	IB	CMS Intact- Before	TC	TransCutaneous Pacing
ET	Existing Trach	IA	CMS Intact- After	HB	HOB Elevation
NA	OP (oropharyngeal)/NP (nasopharyngeal) airway	SP	Splint	PP	Standard PPE Usage
CM	Cooling Measures	TS	Traction Splint	PC	Contact PPE Usage
DR	Dressings	CC	C-Collar	PA	Aerosol PPE Usage
IP	Ice Pack	BD	Backboard	PQ	Tourniquet (Commercial) Applied PTA
TQ	Tourniquet	BL	Blood Glucose	OT	Other
SU	Suction	AP	CPAP		
HD	Hemostatic Dressing	FB	Foreign Body Removal		

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- TMNumber
- Common Null Values

TM

Tag Name

- TMNumber

Definition

The identification number of EMS personnel who performed the procedure

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	Yes	Accepts Null	Yes, common null values
Minimum Constraint	1	Maximum Constraint	1

Field Values

- Positive-numeric values only

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- Therapy
- Common Null Values

THERAPY DETAILS

CO2

Tag Name

- CO2

Definition

The initial numeric ET_{CO}₂ reading by capnography

Technical Information

XSD Data Type	xs:nonNegativeInteger	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values
Minimum Constraint	1	Maximum Constraint	3

Field Values

- Up to two-digit positive numeric value

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- Therapy
- Common Null Values

OXYGEN (L/MIN)

Tag Name

- O2Flow

Definition

Numeric value of the number of liters per minute of oxygen delivered to the patient

Technical Information

XSD Data Type	xs:nonNegativeInteger	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values
Minimum Constraint	1	Maximum Constraint	2

Field Values

- One- or two-digit positive numeric value between 2 and 15

Additional Information

- The oxygen delivery device used must also be indicated

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- O2Via
- Therapy
- Common Null Values

OXYGEN VIA

Tag Name

- O2Via

Definition

Checkbox indicating the type of device used to deliver oxygen to the patient

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values
Minimum Constraint	1	Maximum Constraint	1

Field Values

- **N** Nasal Cannula
- **M** Mask

Additional Information

- The oxygen flow rate must also be indicated

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- O2Flow
- Therapy
- Common Null Values

BLOOD GLUCOSE RESULT

Tag Name

- BloodGlucose

Definition

Numeric value of the patient's blood glucose measurement

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	Yes	Accepts Null	Yes, common null values
Minimum Constraint	1	Maximum Constraint	3

Field Values

- Up to three-digit numeric value
- **HI** High
- **LO** Low

Additional Information

- #1: The initial blood glucose level
- #2: The second blood glucose level, if applicable
- Do not send the same value more than once

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- Therapy
- Common Null Values

CPAP PRESSURE

Tag Name

- CPAPPressure

Definition

The pressure setting utilized during CPAP administration

Technical Information

XSD Data Type	xs:decimal	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values
Minimum Constraint	1	Maximum Constraint	5

Field Values

- Can include up to two decimal places (format example 99.99)

Additional Information

- Recorded as centimeters of water (cm H₂O)

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- CPAPTime
- Therapy
- Common Null Values

CPAP TIME

Tag Name

- CPAPTime

Definition

Time of day when CPAP was started

Technical Information

XSD Data Type	xs:time	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values

Field Values

- Collected as HH:MM:SS
- Use 24-hour clock

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- CPAPPressure
- Therapy
- Common Null Values

IV GAUGE

Tag Name

- IVGauge

Definition

The needle size used to start the IV line

Technical Information

XSD Data Type	xs:nonNegativeInteger	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values
Minimum Constraint	2	Maximum Constraint	2

Field Values

- **14** 14 gauge
- **16** 16 gauge
- **18** 18 gauge
- **20** 20 gauge
- **22** 22 gauge
- **24** 24 gauge

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- Therapy
- Common Null Values

IO LENGTH

Tag Name

- IOLength

Definition

The needle length used to start the IO line

Technical Information

XSD Data Type	xs:nonNegativeInteger	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values
Minimum Constraint	2	Maximum Constraint	2

Field Values

- **15** 15mm
- **25** 25mm
- **45** 45mm

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- Therapy
- Common Null Values

IO SITE

Tag Name

- IOSite

Definition

Location on the body where the IO line was started

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values
Minimum Constraint	2	Maximum Constraint	2

Field Values

- **HU** Humerus
- **TA** Tibia

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- Therapy
- Common Null Values

TOTAL IV/IO FLUIDS RECEIVED

Tag Name

- TotalIVIOFluidsReceived

Definition

The total amount of intravenous or intraosseous fluids the patient received prior to arrival at the receiving facility

Technical Information

XSD Data Type	xs:nonNegativeInteger	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values
Minimum Constraint	1	Maximum Constraint	4

Field Values

- Up to four-digit positive numeric value

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- IVGauge
- IOGauge
- IOSite
- Common Null Values

NEEDLE THORACOSTOMY SITE

Tag Name

- NTSite

Definition

Location on the body where the needle thoracostomy was performed

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values
Minimum Constraint	2	Maximum Constraint	2

Field Values

- 2I 2nd ICS
- 4I 4th ICS

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- Therapy
- Common Null Values

TRANSCUTANEOUS PACING mA

Tag Name

- TranscutaneousCurrent

Definition

Numeric value of the electrical current strength in milliamps (mA) required to achieve capture (as evidenced by a palpable pulse that corresponds with rhythm observed on cardiac monitor) during transcutaneous pacing

Technical Information

XSD Data Type	xs:nonNegativeInteger	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values
Minimum Constraint	1	Maximum Constraint	3

Field Values

- Up to three-digit positive numeric value

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- TranscutaneousRate
- TranscutaneousTime
- Therapy
- Common Null Values

TRANSCUTANEOUS PACING BPM

Tag Name

- TranscutaneousRate

Definition

Numeric value of the rate of capture during transcutaneous pacing (as evidenced by a palpable pulse that corresponds with rhythm observed on cardiac monitor)

Technical Information

XSD Data Type	xs:nonNegativeInteger	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values
Minimum Constraint	2	Maximum Constraint	3

Field Values

- Up to three-digit positive numeric value

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- TranscutaneousCurrent
- TranscutaneousTime
- Therapy
- Common Null Values

TRANSCUTANEOUS PACING TIME

Tag Name

- TranscutaneousTime

Definition

Time of day when transcutaneous pacing (TCP) was started

Technical Information

XSD Data Type	xs:time	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values

Field Values

- Collected as HH:MM:SS
- Use 24-hour clock

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- TranscutaneousRate
- TranscutaneousCurrent
- Therapy
- Common Null Values

TRANSFER OF CARE

CARE TRANSFERRED TO

Tag Name

- CareTransferType

Definition

The level of care the patient was transferred to

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values
Minimum Constraint	1	Maximum Constraint	1

Field Values

A ALS	H Helicopter
B BLS	F Facility

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- PatientTransferVitalsTime
- TMNumber
- SBP
- DBP
- Pulse
- RespRate
- O2Sat
- CO2
- Rhythm
- CPAPPressure
- GCSEye
- GCSVerbal
- GCSMotor
- TotalGCSUponTransfer
- Common Null Values

TRANSFER VS

Tag Name

- PatientTransferVitalsTime

Definition

Time of day vital signs were obtained for transfer of care

Technical Information

XSD Data Type	xs:time	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values

Field Values

- Collected as HH:MM:SS
- Use 24-hour clock

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- CareTransferType
- TMNumber
- SBP
- DBP
- Pulse
- RespRate
- O2Sat
- CO2
- Rhythm
- CPAPPressure
- GCSEye
- GCSVerbal
- GCSMotor
- TotalGCSUponTransfer
- Common Null Values

TM

Tag Name

- TMNumber

Definition

The number of the team member who transferred care of the patient

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values
Minimum Constraint	1	Maximum Constraint	1

Field Values

- Free text

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- CareTransferType
- PatientTransferVitalsTime
- SBP
- DBP
- Pulse
- RespRate
- O2Sat
- CO2
- Rhythm
- CPAPPressure
- GCSEye
- GCSVerbal
- GCSMotor
- TotalGCSUponTransfer
- Common Null Values

SBP

Tag Name

- SBP

Definition

Numeric value of the patient's systolic blood pressure at transfer of care

Technical Information

XSD Data Type	xs:nonNegativeInteger	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values
Minimum Constraint	1	Maximum Constraint	3

Field Values

- Up to three-digit positive numeric value

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- CareTransferType
- PatientTransferVitalsTime
- TMNumber
- DBP
- Pulse
- RespRate
- O2Sat
- CO2
- Rhythm
- CPAPPressure
- GCSEye
- GCSVerbal
- GCSMotor
- TotalGCSUponTransfer
- Common Null Values

DBP

Tag Name

- DBP

Definition

Numeric value of the patient's diastolic blood pressure at transfer of care

Technical Information

XSD Data Type	xs:nonNegativeInteger	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values
Minimum Constraint	1	Maximum Constraint	3

Field Values

- Up to three-digit positive numeric value

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- CareTransferType
- PatientTransferVitalsTime
- TMNumber
- SBP
- Pulse
- RespRate
- O2Sat
- CO2
- Rhythm
- CPAPPressure
- GCSEye
- GCSVerbal
- GCSMotor
- TotalGCSUponTransfer
- Common Null Values

PULSE

Tag Name

- Pulse

Definition

Numeric value of the patient's pulse rate at transfer of care

Technical Information

XSD Data Type	xs:nonNegativeInteger	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values
Minimum Constraint	1	Maximum Constraint	3

Field Values

- Up to three-digit positive numeric value

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- CareTransferType
- PatientTransferVitalsTime
- TMNumber
- SBP
- DBP
- RespRate
- O2Sat
- CO2
- Rhythm
- CPAPPressure
- GCSEye
- GCSVerbal
- GCSMotor
- TotalGCSUponTransfer
- Common Null Values

RR

Tag Name

- RespRate

Definition

Numeric value of the patient's unassisted respiratory rate at transfer of care

Technical Information

XSD Data Type	xs:nonNegativeInteger	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values
Minimum Constraint	1	Maximum Constraint	2

Field Values

- Up to two-digit positive numeric value

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- CareTransferType
- PatientTransferVitalsTime
- TMNumber
- SBP
- DBP
- Pulse
- O2Sat
- CO2
- Rhythm
- CPAPPressure
- GCSEye
- GCSVerbal
- GCSMotor
- TotalGCSUponTransfer
- Common Null Values

O2 SAT

Tag Name

- O2Sat

Definition

Numeric value of the patient's oxygen saturation at transfer of care

Technical Information

XSD Data Type	xs:nonNegativeInteger	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values
Minimum Constraint	1	Maximum Constraint	3

Field Values

- Up to three-digit positive numeric value from 0 to 100

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- CareTransferType
- PatientTransferVitalsTime
- TMNumber
- SBP
- DBP
- Pulse
- RespRate
- CO2
- Rhythm
- CPAPPressure
- GCSEye
- GCSVerbal
- GCSMotor
- TotalGCSUponTransfer
- Common Null Values

CO2

Tag Name

- CO2

Definition

The numeric ETCO₂ reading by capnography at transfer of care

Technical Information

XSD Data Type	xs:nonNegativeInteger	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values
Minimum Constraint	1	Maximum Constraint	3

Field Values

- Up to two-digit positive numeric value

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- CareTransferType
- PatientTransferVitalsTime
- TMNumber
- SBP
- DBP
- Pulse
- RespRate
- O2Sat
- Rhythm
- CPAPPressure
- GCSEye
- GCSVerbal
- GCSMotor
- TotalGCSUponTransfer
- Common Null Values

RHYTHM

Tag Name

- Rhythm

Definition

Two- or three-letter code indicating the patient's rhythm on the cardiac monitor at transfer of care

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values
Minimum Constraint	2	Maximum Constraint	3

Field Values

1HB First degree Heart Block	PAT Paroxysmal Atrial Tachycardia
2HB Second degree Heart Block	PEA Pulseless Electrical Activity
3HB Third degree Heart Block	PM Pacemaker Rhythm
AFI Atrial Fibrillation	PST Paroxysmal Supraventricular Tachycardia
AFL Atrial Flutter	SA Sinus Arrhythmia
AGO Agonal Rhythm	SB Sinus Bradycardia
ASY Asystole	SR Sinus Rhythm
AVR Accelerated Ventricular	ST Sinus Tachycardia
IV Idioventricular Rhythm	SVT Supraventricular Tachycardia
JR Junctional Rhythm	VF Ventricular Fibrillation
PAC Premature Atrial Contraction	VT Ventricular Tachycardia

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- CareTransferType
- PatientTransferVitalsTime
- TMNumber
- SBP
- DBP
- Pulse
- RespRate
- O2Sat
- CO2
- CPAPPressure
- GCSEye
- GCSVerbal
- GCSMotor
- TotalGCSUponTransfer
- Common Null Values

CPAP PRESSURE

Tag Name

- CPAPPressure

Definition

The CPAP pressure setting at transfer of care

Technical Information

XSD Data Type	xs:decimal	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values
Minimum Constraint	1	Maximum Constraint	5

Field Values

- Can include up to two decimal places (format example 99.99)

Additional Information

- Recorded as centimeters of water (cm H₂O)

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- CareTransferType
- PatientTransferVitalsTime
- TMNumber
- SBP
- DBP
- Pulse
- RespRate
- O2Sat
- CO2
- Rhythm
- GCSEye
- GCSVerbal
- GCSMotor
- TotalGCSUponTransfer
- Common Null Values

GCS E

Tag Name

- GCSEye

Definition

The Glasgow Coma Scale numerical value that corresponds to the patient's eye opening response to stimuli at transfer of care

Technical Information

XSD Data Type	xs:nonNegativeInteger	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values
Minimum Constraint	1	Maximum Constraint	1

Field Values

4 Spontaneous	2 To Pain
3 To Verbal	1 None

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- CareTransferType
- PatientTransferVitalsTime
- TMNumber
- SBP
- DBP
- Pulse
- RespRate
- O2Sat
- CO2
- Rhythm
- CPAPPressure
- GCSVerbal
- GCSMotor
- TotalGCSUponTransfer
- Common Null Values

GCS V

Tag Name

- GCSVerbal

Definition

The Glasgow Coma Scale numerical value that corresponds to the patient's verbal response to stimuli at transfer of care

Technical Information

XSD Data Type	xs:nonNegativeInteger	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values
Minimum Constraint	1	Maximum Constraint	1

Field Values

5 Oriented x 3	2 Incomprehensible
4 Confused	1 None
3 Inappropriate	

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- CareTransferType
- PatientTransferVitalsTime
- TMNumber
- SBP
- DBP
- Pulse
- RespRate
- O2Sat
- CO2
- Rhythm
- CPAPPressure
- GCSEye
- GCSMotor
- TotalGCSUponTransfer
- Common Null Values

GCS M

Tag Name

- GCSMotor

Definition

The Glasgow Coma Scale numerical value that corresponds to the patient's motor response to stimuli at transfer of care

Technical Information

XSD Data Type	xs:nonNegativeInteger	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values
Minimum Constraint	1	Maximum Constraint	1

Field Values

6 Obedient	3 Flexion
5 Purposeful	2 Extension
4 Withdrawal	1 None

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- CareTransferType
- PatientTransferVitalsTime
- TMNumber
- SBP
- DBP
- Pulse
- RespRate
- O2Sat
- CO2
- Rhythm
- CPAPPressure
- GCSEye
- GCSVerbal
- TotalGCSUponTransfer
- Common Null Values

GCS TOTAL

Tag Name

- TotalGCSUponTransfer

Definition

Sum of the three numerical values documented for each element of the patient's Glasgow Coma Scale score at transfer of care

Technical Information

XSD Data Type	xs:nonNegativeInteger	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values
Minimum Constraint	1	Maximum Constraint	2

Field Values

- One- or two-digit positive numeric value between 3 and 15

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- CareTransferType
- PatientTransferVitalsTime
- TMNumber
- SBP
- DBP
- Pulse
- RespRate
- O2Sat
- CO2
- Rhythm
- CPAPPressure
- GCSEye
- GCSVerbal
- GCSMotor
- Common Null Values

ADVANCED AIRWAY

BMV USED?

Tag Name

- BMVUsed

Definition

Checkbox indicating whether bag-mask-ventilation was used to assist the patient's respirations

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values
Minimum Constraint	1	Maximum Constraint	1

Field Values

- **Y** Yes
- **N** No

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- BMVSuccessful
- BMVTMNumber
- Common Null Values

BMV SUCCESSFUL?

Tag Name

- BMVSuccessful

Definition

Checkbox indicating the ability to ventilate the patient with minimal or no air leak, confirmed primarily with ETCO₂ measurement. Secondary confirmation methods include visible chest rise during ventilation and air movement on pulmonary auscultation.

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values
Minimum Constraint	1	Maximum Constraint	1

Field Values

- **Y** Yes
- **N** No

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- BMVUsed
- BMVTMNumber
- Common Null Values

BMV TM

Tag Name

- BMVTMNumber

Definition

The number of the team member who attempted bag-mask-ventilation on the patient

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values
Minimum Constraint	1	Maximum Constraint	1

Field Values

- Free text

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- BMVUsed
- BMVSuccessful
- Common Null Values

REASON FOR ADVANCED AIRWAY

Tag Name

- AdvancedAirwayReason

Definition

The reason(s) that the patient needs an advanced airway

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	Yes	Accepts Null	Yes, common null values
Minimum Constraint	2	Maximum Constraint	2

Field Values

RA Respiratory Arrest	CA Cardiopulmonary Arrest
HY Hypoventilation	PR Profoundly Altered
OT Other	

Additional Information

- Profoundly altered is defined as having a total GCS score ≤ 8

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- Common Null Values

ADVANCED AIRWAY DEVICE

Tag Name

- AdvancedAirwayDevice

Definition

Checkbox indicating the type of advanced airway device used

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	Yes	Accepts Null	Yes, common null values
Minimum Constraint	1	Maximum Constraint	1

Field Values

- **E** Endotracheal Tube (ETT)
- **K** King LTS-D
- **I** iGel

Additional Information

- Max occurrence for this field is 3

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- AirwayDevicePMNumber
- TimeAdvancedAirwayAttempt
- SuccessfulPlacement
- TimeSuccessfulPlacement
- AirwayDeviceSize
- Common Null Values

ADVANCED AIRWAY DEVICE PM

Tag Name

- TMNumber

Definition

The number of the team member who attempted to place an advanced airway device on the patient

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	Yes	Accepts Null	Yes, common null values
Minimum Constraint	1	Maximum Constraint	1

Field Values

- Free text

Additional Information

- Max occurrence for this field is 3

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- AdvancedAirwayDevice
- TimeAdvancedAirwayAttempt
- SuccessfulPlacement
- TimeSuccessfulPlacement
- AirwayDeviceSize
- Common Null Values

TIME OF ADVANCED AIRWAY ATTEMPT

Tag Name

- TimeAdvancedAirwayAttempt

Definition

Time of day the advanced airway device was placed in the patient's mouth

Technical Information

XSD Data Type	xs:time	Required in XSD	Yes
Multiple Entry Configuration	Yes	Accepts Null	Yes, common null values

Field Values

- Collected as HH:MM:SS
- Use 24-hour clock

Additional Information

- Max occurrence for this field is 3
- Three attempts with the primary device are not required to move on to a rescue device

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- AdvancedAirwayDevice
- AirwayDevicePMNumber
- SuccessfulPlacement
- TimeSuccessfulPlacement
- AirwayDeviceSize
- Common Null Values

SUCCESSFUL PLACEMENT?

Tag Name

- SuccessPlacement

Definition

Checkbox indicating whether the ability to ventilate the patient with minimal or no air leak, confirmed primarily with ETCO₂ measurement. Secondary confirmation methods include visible chest rise during ventilation and air movement on pulmonary auscultation.

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	Yes	Accepts Null	Yes, common null values
Minimum Constraint	1	Maximum Constraint	1

Field Values

- **Y** Yes
- **N** No

Additional Information

- Max occurrence for this field is 3

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- AdvancedAirwayDevice
- AirwayDevicePMNumber
- TimeAdvancedAirwayAttempt
- TimeSuccessfulPlacement
- AirwayDeviceSize
- Common Null Values

TIME OF SUCCESSFUL PLACEMENT

Tag Name

- TimeSuccessfulPlacement

Definition

Time of day EMS personnel successfully placed an advanced airway device in the patient

Technical Information

XSD Data Type	xs:time	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values

Field Values

- Collected as HH:MM:SS
- Use 24-hour clock

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- AdvancedAirwayDevice
- AirwayDevicePMNumber
- TimeAdvancedAirwayAttempt
- SuccessfulPlacement
- AirwayDeviceSize
- Common Null Values

ADVANCED AIRWAY DEVICE SIZE

Tag Name

- AirwayDeviceSize

Definition

The size of the endotracheal tube (ETT) or supraglottic airway (SGA) placed

Technical Information

XSD Data Type	xs:decimal	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values
Minimum Constraint	1	Maximum Constraint	3

Field Values

- Up to three-digit positive numeric value

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- AdvancedAirwayDevice
- AirwayDevicePMNumber
- TimeAdvancedAirwayAttempt
- SuccessfulPlacement
- TimeSuccessfulPlacement
- TubePlacementMarkAtTeeth
- Common Null Values

TUBE PLACEMENT MARK AT TEETH

Tag Name

- TubePlacementMarkAtTeeth

Definition

The centimeter mark at the teeth of the advanced airway device after insertion

Technical Information

XSD Data Type	xs:nonNegativeInteger	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values
Minimum Constraint	2	Maximum Constraint	2

Field Values

- Two-digit positive numeric value

Additional Information

- If patient is edentulous, indicate the centimeter mark at the lip

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- AdvancedAirwayDevice
- AirwayDevicePMNumber
- TimeAdvancedAirwayAttempt
- SuccessfulPlacement
- TimeSuccessfulPlacement
- AirwayDeviceSize
- Common Null Values

DIFFICULT AIRWAY TECHNIQUES

Tag Name

- DifficultAirwayTechniques

Definition

Checkbox indicating techniques utilized to assist with advanced airway device insertion

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	Yes	Accepts Null	Yes, common null values
Minimum Constraint	2	Maximum Constraint	2

Field Values

- **EL** External Laryngeal Manipulation
- **IT** Introducer (bougie)
- **VL** Video Laryngoscopy

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- Common Null Values

ADVANCED AIRWAY DEVICE PLACEMENT CONFIRMED WITH CAPNOGRAPHY?

Tag Name

- DeviceConfirmedWithCapnography

Definition

Checkbox indicating whether advanced airway device placement was confirmed with capnography

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values
Minimum Constraint	1	Maximum Constraint	1

Field Values

- Y Yes
- N No

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- CapnographyMeasurement
- ETCO2DetectorColorimetric
- IfNoCapnographyWhy
- ExplainOtherReason
- Common Null Values

CAPNOGRAPHY MEASUREMENT

Tag Name

- CapnographyMeasurement

Definition

The numeric measurement of carbon dioxide present in exhaled air after ETT or SGA insertion

Technical Information

XSD Data Type	xs:nonNegativeInteger	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values
Minimum Constraint	1	Maximum Constraint	3

Field Values

- Up to two-digit positive numeric value

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- DeviceConfirmedWithCapnography
- ETCO2DetectorColorimetric
- Common Null Values

SPONTANEOUS RESPIRATIONS

Tag Name

- SpontaneousRespirations

Definition

Checkbox indicating whether the patient had spontaneous respirations after advanced airway device placement

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values
Minimum Constraint	1	Maximum Constraint	1

Field Values

- **Y** Yes
- **N** No

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- Common Null Values

IF PLACEMENT NOT CONFIRMED WITH CAPNOGRAPHY, WHY?

Tag Name

- IfNoCapnographyWhy

Definition

Checkbox indicating why advanced airway placement was not confirmed with capnography

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values
Minimum Constraint	2	Maximum Constraint	2

Field Values

- **EF** Capnography Equipment Failure
- **OT** Other

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- DeviceConfirmedWithCapnography
- CapnographyMeasurement
- ETCO2DetectorColorimetric
- ExplainOtherReason
- Common Null Values

IF REASON=OTHER, EXPLAIN

Tag Name

- ExplainOtherReason

Definition

Field provided to explain why “Other” was chosen as a reason why advanced airway device placement was not confirmed with capnography

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values
Minimum Constraint	2	Maximum Constraint	60

Field Values

- Free text

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- DeviceConfirmedWithCapnography
- IfNoCapnographyWhy
- CapnographyMeasurement
- ETCO2DetectorColorimetric
- ExplainOtherReason
- Common Null Values

CONFIRMATION WITH BACKUP DEVICE?

Tag Name

- ConfirmationWithBackupDevice

Definition

Checkbox indicating if advanced airway placement was confirmed by colorimeter or esophageal detector device (EDD)

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values
Minimum Constraint	1	Maximum Constraint	1

Field Values

- Y Yes
- N No

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- IfNoCapnographyWhy
- ExplainOtherReason
- Common Null Values

ETCO₂ DETECTOR COLORIMETRIC

Tag Name

- ETCO2DetectorColormetric

Definition

Checkbox indicating the color observed when the carbon dioxide colorimetric device is used after advanced airway device placement

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values
Minimum Constraint	1	Maximum Constraint	1

Field Values

Y Yellow	T Tan
P Purple	

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- DeviceConfirmedWithCapnography
- CapnographyMeasurement
- Common Null Values

RESCUE DEVICE?

Tag Name

- RescueDevice

Definition

Checkbox indicating if a rescue device was used to ventilate the patient

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values
Minimum Constraint	1	Maximum Constraint	1

Field Values

- Y Yes
- N No

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- RescueDeviceTMNumber
- Common Null Values

RESCUE DEVICE PM

Tag Name

- RescueDeviceTMNumber

Definition

The number of the team member who utilized a rescue device on the patient

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values
Minimum Constraint	1	Maximum Constraint	1

Field Values

- Free text

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- RescueDevice
- Common Null Values

REASON(S) ADVANCED AIRWAY DEVICE UNABLE

Tag Name

- AdvancedAirwayDeviceUnable

Definition

Checkbox indicating the reason(s) an advanced airway device was unable to be inserted

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	Yes	Accepts Null	Yes, common null values
Minimum Constraint	1	Maximum Constraint	1

Field Values

G Positive Gag Reflex	A Anatomy
B Blood/Secretions	C Unable to Visualize Cords
E Unable to Visualize Epiglottis	F Equipment Failure
L Logistical/Environmental Issues	D Describe Issues

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- Common Null Values

COMPLICATION(S) DURING TUBE PLACEMENT

REGURGITATION/EMESIS?

Tag Name

- RegurgitationEmesis

Definition

Checkbox indicating whether the presence of gastric contents was noted in the oropharynx or on device during or after placement

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values
Minimum Constraint	1	Maximum Constraint	1

Field Values

- Y Yes
- N No

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- Common Null Values

BLEEDING/TRAUMA?

Tag Name

- BleedingTrauma

Definition

Checkbox indicating whether the presence of blood was noted in the oropharynx or on the device during or after placement, or any abrasion, laceration, dental trauma, or other trauma occurring during placement or repositioning of the device. This excludes bleeding or trauma present prior to attempted device placement.

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values
Minimum Constraint	1	Maximum Constraint	1

Field Values

- Y Yes
- N No

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- Common Null Values

BRADYCARDIA?

Tag Name

- Bradycardia

Definition

Checkbox indicating whether there was a heart rate (HR) < 60 during advanced airway placement in a patient with a HR ≥ 60 prior to placement

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values
Minimum Constraint	1	Maximum Constraint	1

Field Values

- Y Yes
- N No

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- Common Null Values

HYPOXIA?

Tag Name

- Hypoxia

Definition

Checkbox indicating whether there was any O₂ saturation ≤ 90% during or after placement in a patient with an O₂ saturation > 90% prior to placement

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values
Minimum Constraint	1	Maximum Constraint	1

Field Values

- **Y** Yes
- **N** No
- **H** Hypoxia Prior to Placement

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- Common Null Values

RIGHT MAINSTEM PLACEMENT?

Tag Name

- RightMainstemPlacement

Definition

Checkbox indicating whether the endotracheal tube (ETT) was placed in the right mainstem bronchus, as evidenced by absent breath sounds on the left and asymmetric chest rise

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values
Minimum Constraint	1	Maximum Constraint	1

Field Values

- **Y** Yes
- **N** No

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- Common Null Values

INITIAL ADVANCED AIRWAY PLACEMENT CONFIRMATION

BILATERAL BREATH SOUNDS?

Tag Name

- BilateralBreathSounds

Definition

Checkbox indicating whether bilateral breath sounds were auscultated following advanced airway device placement

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values
Minimum Constraint	1	Maximum Constraint	1

Field Values

- **Y** Yes
- **N** No

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- Common Null Values

BILATERAL CHEST RISE?

Tag Name

- BilateralChestRise

Definition

Checkbox indicating whether bilateral chest rise was observed following advanced airway device placement

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values
Minimum Constraint	1	Maximum Constraint	1

Field Values

- **Y** Yes
- **N** No

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- Common Null Values

ABSENT GASTRIC SOUNDS?

Tag Name

- AbsentGastricSounds

Definition

Checkbox indicating whether no gastric sounds were auscultated during ventilation following advanced airway device placement

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values
Minimum Constraint	1	Maximum Constraint	1

Field Values

- Y Yes
- N No

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- Common Null Values

ONGOING VERIFICATION TIME

Tag Name

- VerificationTime

Definition

Time of day advanced airway device placement is verified

Technical Information

XSD Data Type	xs:time	Required in XSD	Yes
Multiple Entry Configuration	Yes	Accepts Null	Yes, common null values

Field Values

- Collected as HH:MM:SS
- Use 24-hour clock

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- Common Null Values

DISLODGE MENT?

Tag Name

- Dislodgement

Definition

Checkbox indicating whether there was a loss of ability to adequately ventilate the patient after successful advanced airway device placement was achieved

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values
Minimum Constraint	1	Maximum Constraint	1

Field Values

- **Y** Yes
- **N** No

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- IfDislodgementSuccessfulReplacement
- Common Null Values

IF DISLODGEEMENT AFTER PLACEMENT, SUCCESSFUL REPLACEMENT?

Tag Name

- IfDislodgementSuccessfulReplacement

Definition

Checkbox indicating whether there was the ability to ventilate the patient with minimal or no air leak, after dislodgement and replacement of the same type of device, confirmed primarily with ETCo₂ measurement with capnography. Secondary confirmation methods include visible chest rise during ventilation and air movement on pulmonary auscultation.

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values
Minimum Constraint	1	Maximum Constraint	1

Field Values

- Y Yes
- N No

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- Dislodgement
- Common Null Values

VERIFICATION OF ADVANCED AIRWAY

VERIFICATION TECHNIQUE(S)

Tag Name

- VerificationTechnique

Definition

Checkbox indicating the technique(s) utilized by the receiving facility physician to confirm advanced airway device placement

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	Yes	Accepts Null	Yes, common null values
Minimum Constraint	1	Maximum Constraint	1

Field Values

A Auscultation	V Visualization
E EtCO ₂	X X-Ray

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- Placement
- SignedVerification
- Common Null Values

PLACEMENT

Tag Name

- Placement

Definition

The receiving facility physician's determination of the anatomical position of the advanced airway device inserted by EMS personnel

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values
Minimum Constraint	1	Maximum Constraint	1

Field Values

E Esophageal	T Tracheal
R Right Main	

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- VerificationTechnique
- SignedVerification
- Common Null Values

SIGNED VERIFICATION

Tag Name

- SignedVerification

Definition

Checkbox indicating whether a signed verification of advanced airway device placement was obtained by EMS personnel

Technical Information

XSD Data Type	xs:string	Required in XSD	Yes
Multiple Entry Configuration	No	Accepts Null	Yes, common null values
Minimum Constraint	1	Maximum Constraint	1

Field Values

- **Y** Yes
- **N** No

Data Source Hierarchy

- EMS Provider

Other Associated Elements

- VerificationTechnique
- Placement
- Common Null Values