

MATRIS Data Dictionary

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Data Element	Definition
Unit Information	
Incident Number	The unique 9 digit incident number assigned to the incident by the computer aided dispatch system
EMS Unit (Vehicle) Response Number	Unit ID
Type of Response Delay	The response delays, if any, of the unit associated with the patient encounter
Type of Scene Delay	The scene delays, if any, of the unit associated with the patient encounter
Type of Transport Delay	The transport delays, if any, of the unit associated with the patient encounter
Vehicle Dispatch Location	The location of the unit at time of dispatch
Odometer Reading of Responding Vehicle	The mileage (odometer reading) of the vehicle when it arrives at the patient's destination
Ending Odometer Reading of Responding Vehicle	The ending mileage (odometer reading) of the vehicle (at time back in service)
Complaint Reported by Dispatch	The TYPE Code reported to the responding unit.
Crew Member ID	The State Certification/Licensure ID number assigned to the crew member
Times	
Unit Notified by Dispatch Date/Time	The date the responding unit was notified by dispatch
Unit En Route Date/Time	The date/time the unit responded; that is, the time the vehicle started moving
Unit Arrived on Scene Date/Time	The date/time the responding unit arrived on the scene; that is, the time the vehicle stopped moving
Arrived at Patient Date/Time	The date/time the responding unit arrived at the patient's side
Unit Left Scene Date/Time	The date/time the responding unit left the scene (started moving)
Patient Arrived at Destination Date/Time	The date/time the responding unit arrived with the patient at the destination
Unit Back in Service Date/Time	The date/time the unit back in service and available for response .
Patient / Billing	
Last Name	The patient's last (family) name
First Name	The patient's first (given) name

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Middle Initial/Name	The patient's middle name, if any
Patient's Home Address	The patient's home mailing or street address
Patient's Home City	The patient's home city or township or residence
Patient's Home State	The patient's home state, territory, or province, or District of Columbia, where the patient resides
Patient's Home Zip Code	The patient's home ZIP code of residence
Social Security Number	The patient's social security number
Gender	The patient's gender
Age	The patient's age (either calculated from date of birth or best approximation)
Age Units	The units which the age is documented in (Hours, Days, Months, Years)
Date of Birth	The patient's date of birth
Primary or Home Telephone Number	The patient's home or primary telephone number
Primary Method of Payment	The primary method of payment or type of insurance associated with this EMS encounter
Insurance Company ID/Name	The ID number of the patient's insurance company
Insurance Policy ID Number	The ID number of the patient's insurance policy
Work-Related	Indication of whether or not the injury is work related.
Closest Relative/Guardian Last Name	The last (family) name of the patient's closest relative or guardian
First Name of the Closest Relative/Guardian	The first (given) name of the patient's closest relative or guardian
Closest Relative/ Guardian Street Address	The home street address of the patient's closest relative or guardian
Closest Relative/ Guardian City	The home city of the patient's closest relative or guardian
Closest Relative/ Guardian State	The home state of the patient's closest relative or guardian
Closest Relative/ Guardian Zip Code	The home Zip Code of the patient's closest relative or guardian
Closest Relative/ Guardian Phone Number	The home or other phone number of the patient's closest relative or guardian
Closest Relative/ Guardian Relationship	The relationship of the patient's closest relative or guardian
Scene	
Other EMS Agencies at Scene	Other EMS agencies that were at the scene, if any
Other Services at Scene	Other services that were at the scene, if any
Number of Patients at Scene	Indicator of how many total patients were at the scene
Incident Location Type	The kind of location where the incident happened
Incident Address	The street address, including city section to which the unit responded.
Incident ZIP Code	The ZIP code of the incident location
Situation	

Prior Aid	Any care which was provided to the patient prior to the arrival of this unit.
Prior Aid Performed by	The type of individual who performed the care prior to the arrival of this unit.
Outcome of the Prior Aid	outcome or result of the care performed prior to the arrival of the unit?
Possible Injury	This data element provides documentation to classify the EMS Reason for Encounter as either injury or non-injury related.
Chief Complaint	The statement of the problem by the patient or the history provider in one or two words
Duration of Chief Complaint	The time duration of the chief complaint
Time Units of Duration of Chief Complaint	The time units of the duration of the patient's chief complaint
Chief Complaint Anatomic Location	The primary anatomic location of the chief complaint as identified by EMS personnel
Primary Symptom	The primary sign and symptom present in the patient or observed by EMS personnel
Other Associated Symptoms	Other symptoms identified by the patient or observed by EMS personnel
Providers Primary Impression	The EMS personnel's impression of the patient's primary problem or most significant condition which led to the management given to the patient (treatments, medications, or procedures).
Provider's Secondary Impression	The EMS personnel's impression of the patient's secondary problem or which led to the management given to the patient (treatments, medications, or procedures).
Trauma	
Cause of Injury	The category of the reported/suspected external cause of the injury
Mechanism of Injury	The mechanism of the event which caused the injury.
Vehicular Injury Indicators	The kind of risk factor predictors associated with the vehicle involved in the incident
Area of the Vehicle impacted by the collision	The area or location of impact on the vehicle
Seat Row Location of Patient in Vehicle	The seat row location of the patient in vehicle at the time of the crash with the front seat numbered as 1.
Position of Patient in the Seat of the Vehicle	The position of the patient in seat of the vehicle at the time of the crash
Use of Occupant Safety Equipment	Safety equipment in use by the patient at the time of the injury
Airbag Deployment	Indication of Airbag deployment during the motor vehicle crash.

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Height of Fall	The distance in feet the patient fell, measured from the lowest point of the patient to the ground.
CPR	
Cardiac Arrest	Indication of the presence of a cardiac arrest at any time associated with the EMS evert.
Cardiac Arrest Etiology	Indication of the etiology or cause of the cardiac arrest (classified as cardiac, non-cardiac, etc.)
Resuscitation Attempted	Indication of an attempt to resuscitate the patient who is in cardiac arrest (attempted, not attempted due to DNR, etc.)
Arrest Witnessed by	Indication of who the cardiac arrest was witnessed by
First Monitored Rhythm of the Patient	Documentation of what the first monitored rhythm which was noted
Any Return of Spontaneous Circulation	Indication whether or not there was any return of spontaneous circulation at any time during the EMS evert.
Estimated Time of Arrest Prior to EMS Arrival	The length of time the patient was down (estimated) before the responding unit arrived at the patient
Date/Time Resuscitation Discontinued	The date/time the CPR was discontinued (or could be time of death)
Reason CPR Discontinued	The reason that CPR or the resuscitation efforts were discontinued.
Cardiac Rhythm on Arrival at Destination	The patient's cardiac rhythm upon delivery or transfer to the destination
Medical History	
Barriers to Patient Care	Indication of whether or not there were any patient specific barriers to serving the patient at the scene
Medication Allergies	The patient's medication allergies
Medical/Surgical History	The patient's pre-existing medical and surgery history of the patient
Current Medications	The medications the patient currently takes
Current Medication Dose	The numeric dose or amount of the patient's current medication
Current Medication Dosage Unit	The dosage unit of the patient's current medication
Current Medication Administration Route	The administration route (po, SQ, etc.) of the patients current medication
Alcohol/Drug Use Indicators	Indicators for the potential use of Alcohol or Drugs by the patient.
Run Report Narrative	The narrative of the run report
Assessment	
Date/Time Vital Signs Taken	Date/Time Vital Signs Taken
Cardiac Rhythm	The initial cardiac rhythm of the patient as interpreted by EMS personnel
SBP (Systolic Blood Pressure)	The patient's systolic blood pressure
DBP (Diastolic Blood Pressure)	The patient's diastolic blood pressure

Pulse Rate	The patient's pulse rate, palpated or auscultated, expressed as a number per minute
Pulse Oximetry	The patient's oxygen saturation
Respiratory Rate	The patient's respiratory rate expressed as a number per minute
Carbon Dioxide	The patient's end-tidal or other CO2 level.
Blood Glucose Level	The patient's blood glucose level
Glasgow Coma Score-Eye	The patient's Glasgow Coma Score Eye opening
Glasgow Coma Score-Verbal	The patient's Glasgow Coma Score Verbal
Glasgow Coma Score-Motor	The patient's Glasgow Coma Score Motor
Glasgow Coma Score-Qualifier	Documentation of factors which make the GCS score more meaningful.
Total Glasgow Coma Score	The patient's total Glasgow Coma Score
Temperature	The patient's body temperature in degrees celsius/centigrade.
Level of Responsiveness	The patients level of responsiveness
Pain Scale	The patient's indication of pain from a scale of 0 / 10.
Stroke Scale	The patient's Los Angeles or Cincinnati Stroke Scale Results
APGAR	The patient's total APGAR score (0-10). Recommended to be taken at 1 and 5 minutes after the infants birth
Revised Trauma Score	The patient's Revised Trauma Score
Medication	
Date/Time Medication Administered	The date/time medication administered to the patient
Medication Administered Prior to this Units EMS Care	Indicates that the medication administration which is documented was administered prior to this EMS unit's care.
Medication Given	The medication given to the patient
Medication Administered Route	The route that the medication was administered to the patient.
Medication Dosage	The dose or amount of medication given to the patient
Medication Dosage Units	The units of medication dosage given to patient
Response to Medication	The patient's response to the medication.
Medication Complication	Any complication (abnormal effect on the patient) associated with the administration of the medication to the patient by EMS
Medication Crew Member ID	The ID number of the EMS crew member giving the treatment to the patient
Procedure	
Procedure	The procedure performed on the patient.
Size of Procedure Equipment	The size of equipment used in the procedure on the patient
Number of Procedure Attempts	The number of attempts taken to complete a procedure or intervention regardless of success

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Procedure Successful	Indication of whether or not the procedure performed on the patient was successful
Procedure Complication	Any complication associated with the performance of the procedure on the patient
Response to Procedure	The patient's response to the procedure
Procedure Crew Members ID	The ID number of the EMS crew member performing the procedure on the patient
Procedure Authorization	The type of procedure authorization obtained
Procedure Authorizing Physician	The last name of the authorizing physician ordering the procedure, if the order was provided by any manner other than protocol (standing order)
Successful IV Site	The location of the IV site (if applicable) on the patient
Tube Confirmation	Endotracheal Tube placement verification at the time the airway procedure was done
Destination Confirmation of Tube Placement	Endotracheal Tube location verification on the arrival at the Destination (if applicable)
Disposition	
Destination/Transferred To, Name	The destination the patient was delivered or transferred to
Incident/Patient Disposition	Type of disposition treatment and/or transport of the patient.
How Patient Was Moved to Ambulance	The method the patient was moved to the ambulance from the scene
Position of Patient During Transport	The position of the patient during transport from the scene
How Patient Was Transported From Ambulance	The method the patient was moved from the ambulance to the destination
Reason for Choosing Destination	The reason the unit chose to deliver or transfer the patient to the destination
Medical Device	
AED, Pacing, or CO2 Mode	The mode of operation the device is operating in during the defibrillation, pacing, or rhythm analysis by the device (if appropriate for the event)
ECG Lead	The lead or source which the medical device used to obtain the rhythm (if appropriate for the event)
ECG Interpretation	The interpretation of the rhythm by the device (if appropriate for the event)
Shock or Pacing Energy	The energy used for the shock or pacing event (if appropriate for the event)
Total Number of Shocks Delivered	The number of times the patient was defibrillated, if the patient was defibrillated during the patient encounter.
Pacing Rate	The rate the device was calibrated to pace during the event, if appropriate.

Massachusetts Ambulance Trip Information Sytem
http://www.mass.gov/Eeohhs2/docs/dph/emergency_services/ar/5_403.pdf