

# MNSTAR Data Definition Training

## Minnesota EMSRB – MNSTAR Data Definition Document

### Supplement to the Minnesota EMSRB Data

### Dictionary - Version 3.0.2

## Part II



# MNSTAR Data Definition Training

## Element 8.7 – Incident Location Type \*

### Value Definitions:

- **Home / Residence** - Any home, apartment, or residence (not just the patient's home). Includes the yard, driveway, garage, pool, garden, or walk of a home, apartment, or residence. Excludes assisting living facilities.
- **Farm** – A place of agriculture, except for a farmhouse, includes land under cultivation and non-residential farm buildings.
- **Mine or Quarry** – Includes sand pits, gravel pits, iron ore pits, and tunnels under construction.
- **Industrial Place and Premises** – A place where things are made or are being built, includes construction sites, factories, warehouses, industrial plants, docks, and railway yards.



# MNSTAR Data Definition Training

## Element 8.7 – Incident Location Type \* (cont'd)

### Value Definitions:

- **Place of Recreation or Sport** – Includes amusement parks, public parks and playgrounds, sports fields/courts/courses, sports stadiums, skating rinks, gymnasiums, swimming pools, waterparks, and resorts.
- **Street or Highway** – Any public street, road, highway, or avenue including boulevards, sidewalks and ditches.
- **Public Building (schools, government offices)** – Any publicly owned building and its grounds, including schools and government offices.
- **Trade or Service (business, bars, restaurants, etc.)** – Any privately owned building used for business and open to the public. Includes bars, restaurants, office buildings, churches, stores, bus/railway stations. Excludes health care facilities.

# MNSTAR Data Definition Training

## Element 8.7 – Incident Location Type \* (cont'd)

### Value Definitions:

- **Health Care Facility (clinic, hospital, nursing home)** – A place where health care is delivered, includes nursing homes, clinics, doctor's offices, and hospitals.
- **Residential Institution (assisted living, jail / prison)** – A place where people live that is not a private home, apartment, or residence. Includes assisted living, jail/prison, orphanage, and group homes. (Where assisted living has a medical resource individual available but does not provide patient care on a regular basis.)
- **Lake, River, Ocean** – Any body of water, except swimming pools.
- **Other Location** – Any place that does not fit any of the above categories (this should be very rare).

# MNSTAR Data Definition Training

## Element 8.7 – Incident Location Type \* (cont'd)

### Value Definitions:

- **Airport** – A place where fixed wing and roto-wing land, including all land and buildings that constitutes the airport grounds.
  - Airstrip (commercial crop dusting) - A private runway with service and maintenance facilities which serves a commercial crop-duster.
  - Airstrip (personal use) - A runway without normal airport functions maintained for the private use of the owner of the property on which it is located.
  - Airport/Heliport - A runway or landing area or other facility designed or used by public carriers or private aircraft for the landing and taking off of aircraft, including the following associated facilities: taxiways; aircraft storage and tie-down areas; hangars; servicing; and passenger and air freight terminals.

# MNSTAR Data Definition Training

## Element 9.2 – Prior Aid Performed By \*\*

**Element Clarification:** The type of individual who performed the care prior to the arrival of the ambulance service.

### **Value Definitions:**

- **EMS Responder –**  
Any responder whose primary role is to provide pre-hospital medical care.



# MNSTAR Data Definition Training

## Element 9.2 – Prior Aid Performed By \*\*

(cont'd)

### Value Definitions:

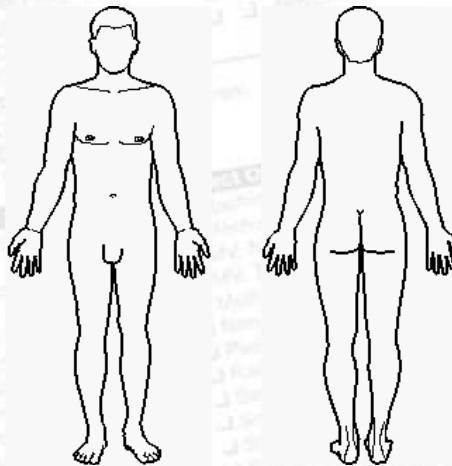
- **Law Enforcement** - Primary role is not to provide pre-hospital medical care.
- **Lay Person**
- **Other Healthcare Provider** – Physician, Registered Nurse or other person that indicates they work in a healthcare related field.
- **Patient** – Person needing emergency medical services treatment or transportation.

# MNSTAR Data Definition Training

## Element 9.11 – Complaint Anatomic Location

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**Element Clarification:** Originating area or the most severe area of complaint.



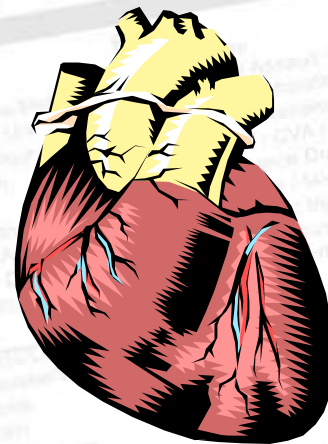


# MNSTAR Data Definition Training

## Element 9.12 – Complaint Organ System Affected \*

### Value Definitions:

- **Cardiovascular** – Heart, Arteries, Veins.
- **CNS / Neuro** – Brain , Spinal Cord, Nerves.
- **Endocrine / Metabolic** – Diabetes, Thyroid, Liver, Male Reproductive System.



# MNSTAR Data Definition Training

## Element 9.12 – Complaint Organ System

### Affected \* (cont'd)

#### Value Definitions:

- **GI / Abdomen** – Mouth, Esophagus, Stomach, Intestines.
- **Other / Other Illness**
- **Musculoskeletal / Injury** – Muscles, Bones, Joints, Tendons, Ligaments, Cartilage.
- **OB / GYN** – Female Reproductive System.

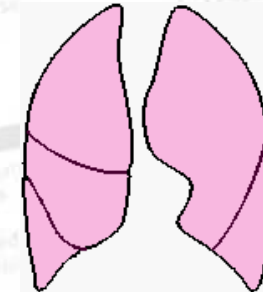
# MNSTAR Data Definition Training

## Element 9.12 – Complaint Organ System

### Affected \* (cont'd)

#### Value Definitions:

- **Psychiatric / Behavioral** – Mental, Emotional, Behavioral.
- **Respiratory** – Lungs, Trachea, Airway.
- **Renal / GU Problems** – Kidneys.
- **Skin**

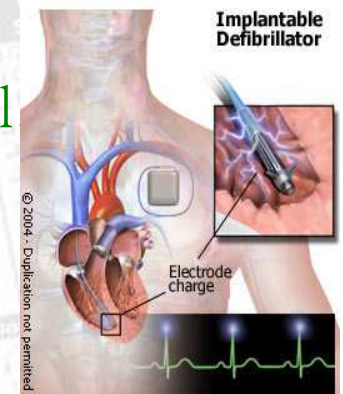


# MNSTAR Data Definition Training

## Element 9.14 – Signs and Symptoms – Other Associated Symptoms \*

### Value Definitions:

- Bleeding – Active, Inactive, Internal or External
- Device / Equipment Problem – Patient device (i.e., ICD, Implantable Defibrillator, Insulin Pump, Portacath, Central Line, etc.).
- Malaise – General non-specific feeling of illness.
- Palpitations – The sensation of a rapidly or irregularly beating heart; fluttering, pounding racing, skipping a beat, jumping around in the chest.



# MNSTAR Data Definition Training

## Element 9.15 – Provider’s Primary Impression \*

Element Clarification: Provider’s Primary Impression (Working Diagnosis).

### Value Definition:

- **Cardiac Arrest** - Cardiac arrest should be indicated as the primary provider impression when the patient has cessation of cardiac mechanical activity confirmed by the absence of signs of circulation (pulse check at carotid artery and one other location) by an EMS provider or when an AED has shocked the patient prior to EMS arrival. (EMS provider is defined as Ambulance or trained 1st Responders, Police, Fire.)

# MNSTAR Data Definition Training

## Element 9.15 – Provider’s Primary Impression \*

**Additional Information:** If a defibrillator is applied for rhythm analysis and no resuscitation efforts are provided, this would not be considered a cardiac arrest, but should be documented with the provider impression of *obvious death*. Additional note: Inter-hospital transports of post cardiac arrest patients should be categorized with a provider impression (from MNSTAR selection list) of: *chest pain / discomfort, rhythm disturbance or other cardiovascular problems*.

# MNSTAR Data Definition Training

## Element 10.1 – Cause of Injury / Illness \*

### Value Definitions:

- **Aircraft Related Crash** – Any crash involving any type of aircraft, motorized and non-motorized, that is designed for transporting a passenger(s) or goods in the air.



- **Assault** – Any injury caused by assault that is not related to a firearm, stabbing, fight or brawl.

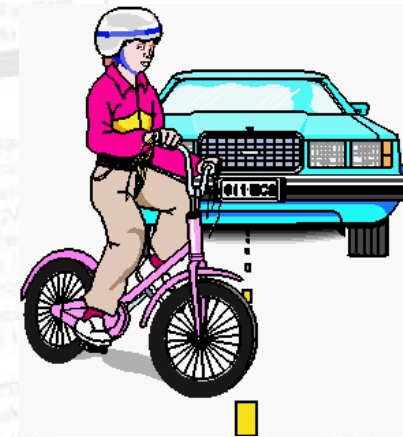
# MNSTAR Data Definition Training

## Element 10.1 – Cause of Injury / Illness \*

(cont'd)

### Value Definitions:

- **Bicycle Crash** – Crash involving any person riding on a pedal cycle or in a sidecar attached to such a vehicle.
- **Bites** – Human or animal bites that are not venomous.
- **Chemical Poisoning** – Poisoning through external exposure or internal ingestion.
- **Child Battering** – Beating or abuse of an infant/child (18 years of age and under).



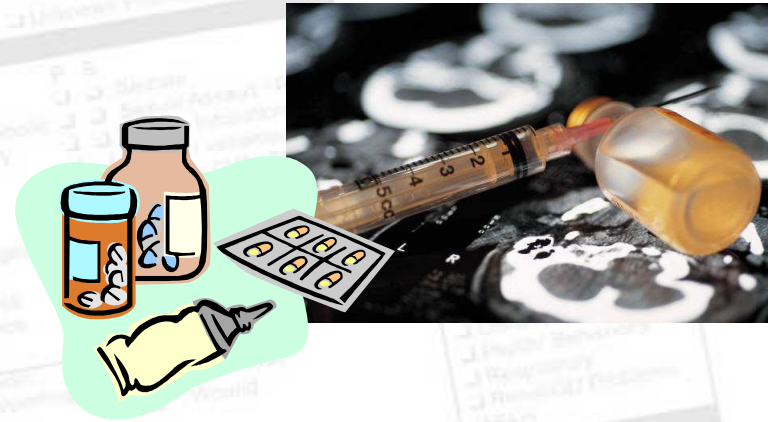


# MNSTAR Data Definition Training

## Element 10.1 – Cause of Injury / Illness \* (cont'd)

### Value Definitions:

- **Drowning**
- **Drug Poisoning** – Prescription or street drugs.
- **Electrocution (Non-Lighting)**
- **Excessive Cold** – Injuries related to the patient being exposed to excessive cold.
- **Excessive Heat** – Injuries related to the patient being exposed to excessive heat.



# MNSTAR Data Definition Training

## Element 10.1 – Cause of Injury / Illness \* (cont'd)

### Value Definitions:

- **Falls** – Any injury caused by a fall from any height.
- **Fire and Flames**
- **Firearm (Self Inflicted)** – Injury caused by a firearm that is self inflicted and is not, or can not, be determined as accidental.
- **Firearm Assault**



# MNSTAR Data Definition Training

## Element 10.1 – Cause of Injury / Illness \*

(cont'd)

### Value Definitions:

- **Firearm Injury (Accidental)** – Injury caused by a firearm that is accidental and self inflicted or inflicted by action of another person.
- **Lightning**
- **Machinery Accidents**
- **Mechanical Suffocation**
- **Motor Vehicle Non-Traffic Crash** – Motor vehicle crash which occurs entirely in any place other than a public highway.



# MNSTAR Data Definition Training

## Element 10.1 – Cause of Injury / Illness \* (cont'd)

### Value Definitions:

- **Motor Vehicle Traffic Crash** – Motor vehicle crash occurring on a public highway (i.e. originating, terminating, or involving a vehicle partially on the highway). A motor vehicle crash is assumed to have occurred on the highway unless another place is specified, except in the case of crashes involving only off-road motor vehicles which are classified as non-traffic crashes unless the contrary is stated.

# MNSTAR Data Definition Training

## Element 10.1 – Cause of Injury / Illness \* (cont'd)

### Clarification Definition:

- **Public Highway:** The entire width between property lines (or other boundary lines) of every way or place, of which any part is open to the use of the public for purposes of vehicular traffic as a matter of right or custom. A **roadway** is that part of the public highway designed, improved, and ordinarily used for vehicular travel.

# MNSTAR Data Definition Training

## Element 10.1 – Cause of Injury / Illness \* (cont'd)

### Value Definitions:

- **Motorcycle Crash**
- **Non-Motorized Vehicle Crash**
- **Pedestrian Traffic Crash – Collision between a motor vehicle of any kind and a pedestrian. Pedestrian dragged, hit or run over by a motor vehicle of any kind.**

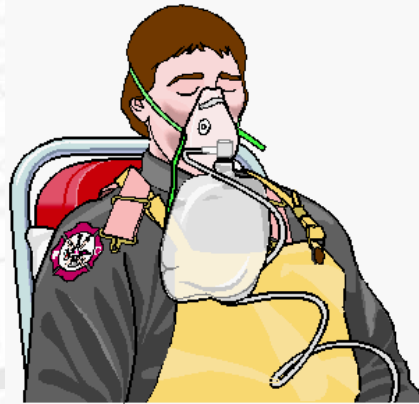


# MNSTAR Data Definition Training

## Element 10.1 – Cause of Injury / Illness \* (cont'd)

### Value Definitions:

- Radiation Exposure
- Sexual Assault / Rape
- Smoke Inhalation
  
- Stabbing / Cutting Accidental
- Stabbing / Cutting Assault
- Struck by Blunt / Thrown Object



# MNSTAR Data Definition Training

## Element 10.1 – Cause of Injury / Illness \* (cont'd)

### Value Definitions:

- **Unarmed Fight / Brawl**
- **Venomous Stings (Plants, Animals)**
- **Water Transport Crash** – Any injury caused involving watercraft (boats) designed to transport passengers or goods on the water.



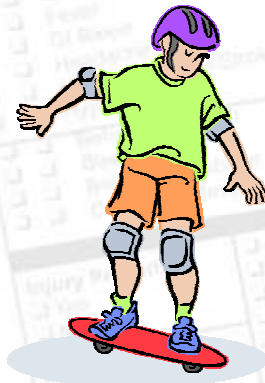


# MNSTAR Data Definition Training

## Element 10.8 – Use of Occupant Safety Equipment \*

### Value Definitions:

- **Protective Non-Clothing Gear – Elbow Pads, Knee Pads, Wrist Guards, etc.**



# MNSTAR Data Definition Training

## Element 11.1 – Cardiac Arrest \*\*

### Values:

- No
- Yes, prior to EMS Arrival
- Yes, After EMS Arrival

**Value Clarification:** EMS Arrival is defined as Ambulance or trained First Responders, Police or Fire.

# MNSTAR Data Definition Training

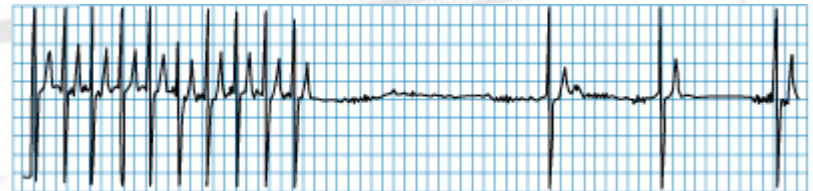
## Element 11.5 – First Monitored Rhythm of the Patient in Cardiac Arrest \*\*

### Element Definition:

- The first rhythm of the patient in cardiac arrest. Documentation of the rhythm, shockable / non-shockable rhythm, of the patient at the time of cardiac arrest.



Pulseless  
Rhythm



➔ No Shock Advised!!

# MNSTAR Data Definition Training

## Element 12.19 – Alcohol / Drug Use Indicators \*

**Element Clarification:** Is alcohol or drug use indicator potentially related to the patients' current injury or illness.



# MNSTAR Data Definition Training

## Element 14.13 – CO2 ▲

### Element Definition:

The Patient's end-tidal CO2 level.



# MNSTAR Data Definition Training

## E19.3 – Procedure (lookup table) \*

**Definition of a Procedure:** Active attempt to do the procedure.

### **Examples:**

- Attempting to insert an airway.
- Breaking the skin on placement of an IV.

### **Value Definitions:**

- **Airway – Peep** – Maintaining an airway with PEEP.
- **Airway – Respirator** – CPAP, portable ventilator.

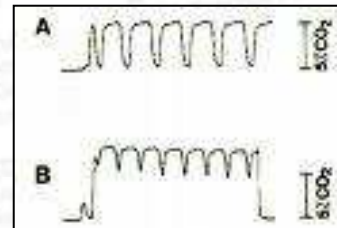


# MNSTAR Data Definition Training

## E19.3 – Procedure (lookup table) \* (cont'd)

### Value Definitions:

- **Airway – Ventilator** – Continuous mechanical ventilation of unspecified duration.
- **Capnography** – “Ongoing” monitoring of CO<sub>2</sub> (waveform device).
- **Defibrillation – Placement for Monitoring / Analysis** – Placement of defibrillator pads for patient monitoring / analysis.



# MNSTAR Data Definition Training

## E19.5 – Number of Procedure Attempts \*\*\*\*

**Element Clarification:** Active attempt to do the procedure.

**Definition of a Procedure Attempt:**

- **Airway insertion attempt:** Number of active attempts to insert an airway. **1**  
... **2**  
... **3**
- **IV insertion attempt:** Number of active attempts to establish IV.



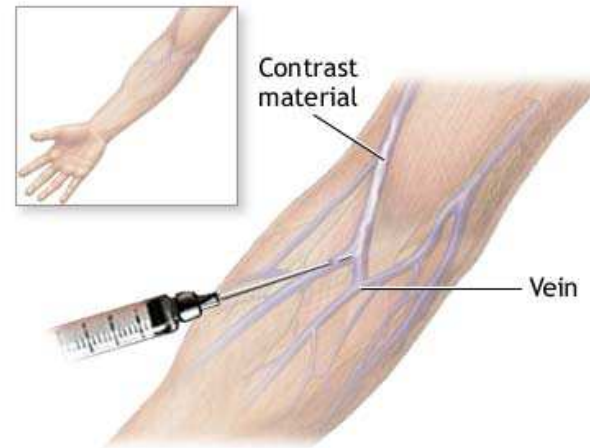
# MNSTAR Data Definition Training

## E19.5 – Number of Procedure Attempts \*\*\*

(cont'd)

### Examples:

- Airway is inserted into the oral
- Breaking of the skin on placement of an IV.



# MNSTAR Data Definition Training

## Element 20.16 – Reason for Choosing Destination \*

### Value Definitions:

- **Closest Facility (none below)** – The closest hospital/facility.
- **Diversion** – First choice hospital/facility is unable to accept patient.
- **Law Enforcement Choice** – Patient is on law enforcement hold, under arrest or incarcerated.

# MNSTAR Data Definition Training

## Element 20.16 – Reason for Choosing

### Destination \* (cont'd)

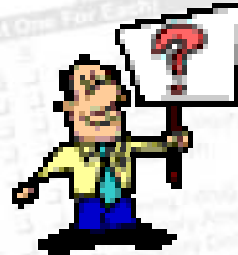
#### Value Definitions:

- **Patient/Family Choice** – Transported to hospital/facility of patient's choice.
- **Protocol/Guideline** – Patient transport to alternate facility in accordance with Medical Director approved protocols/guidelines, bypassing the closest facility.
- **Specialty Resource Center** – For inter-hospital / facility transports to a hospital / facility that offers services not available at a local or regional hospital.

# MNSTAR Data Definition Training

Thanks so much for your attention!!

Any Questions??!



Please feel free to contact me with any questions.

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