MODULE 1 First Aid Basics
ALESSA STORY TO STORY

# **OBJECTIVES**

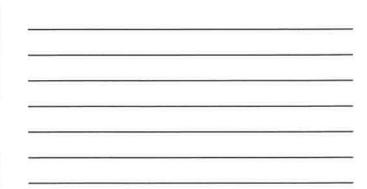
- Explain the role of the Medical Responder in the medical response situation.
- Review the need for scene size-up and communication techniques
- Review when to Request Air Medical Transport
- Review Laws and regulations pertaining to Law Enforcement and medical care.
   i.e. Good Samaritan, LE HB 3653
- Explain the importance of using proper body mechanics.
- Explain the hazards of not using proper body mechanics when lifting and moving patients.
- Demonstrate the proper technique for standard moves, urgent moves, and emergent moves.



# **OBJECTIVES**

Define the following terms:

- Personal Protective equipment PPE
- Standard precautions
- Mass Causality Incident MCI
- Triage
  - SALT triage system
- Emergent move
- Non-Emergent move



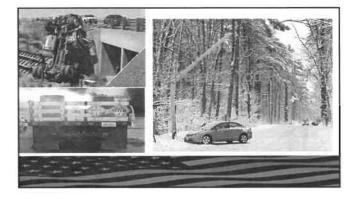
# FIRST THINGS FIRST IS IT SAFE? - Do YOU See, Smell, Hear Anything Abnormal? - Is there Smoke, Sparks, or Fuel coming from the vehicle?

- Ensure scene safety for yourself, patient, and bystanders.
- You can't Help if you're a victim!!









# **Body Substance Isolation**

- BSI precautions include wearing personal protective equipment
  - Gloves, Masks, Gowns, and Eyewear
- Standard precautions
- Guidelines recommended by CDC
- Reduces risk of disease transmission
- · All patients considered infectious until proven otherwise



# Personal Protective Equipment



# **Area Services**



Arch 1 - Grantle City, Illinois
Arch 2 - Litchfield, Illinois
Arch 3 - Etfingham, Illinois
Arch 4 - Sparta, Illinois
Airth 2 - Carle Foundation Hospital Urbana, Illinois
Airthfe 2 - Carle Foundation Hospital Olney, Illinois
Saints Flight - Springfield, Ill
Rescue Flight - Highland, IL

AE145- Mattoon, IL AE28- Effingham, IL AE137- Greenville, IL AE35- Marion, IL AE15- Olney, IL AE51- Mt. Vemon, IL AE27- Jacksonville, IL AE38- Brazil, IN

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Call	cariy, Gai	Orten	
			Call Early, Call Often

# When to Call

- · Prolonged extrication for a high-priority
- The patient is in a remote area.
- Stabbing or Gunshot wound to abdomen, back, chest or neck (stable)
   MVC (motor vehicle crash) with ejection
- · MVC (motor vehicle crash) Highway speeds
- Death of occupant in same passenger compartment
   Falls ≥ 20 ft (Children: >10 ft or 2-3 x height of the child)
   Separation of rider from motorcycle-Highway speeds

Separation of fider from motorcycle-nighway speeds	
<ul> <li>Pedestrian / bicyclist struck by vehicle and thrown or run over</li> </ul>	
Vehicle rollover with unbelted passengers	
Crush Injuries	
Field Tourniquet Use	

# What Information do they need?

- Type of Event
- Type of Injury
- Location





# (745 ILCS 49/) Good Samaritan Act.

(148 ILCS 5075) Br. 7. Law enforcement officers, firemen, emergency medical technicians (GILTs) and first temperature resemble from cavel limiting for management care, the limit of Darry or firemen as defined in Section 3 of the limit of Darry or firemen as defined in Section 1 of the limit of Darry Systems John, and say "first responder" as defined in Securice (IDS) Systems John and say "first responder" as defined in Securice (IDS) Systems John and say "first responder" as defined in Securice (IDS) Systems John and say "first responder" as defined in Securice (IDS) Systems John and say "first responder" as defined in Securice (IDS) Systems John and say "first responder" as defined in Securice (IDS) Systems John and say "first responder" in Securice (IDS) Systems John and security se

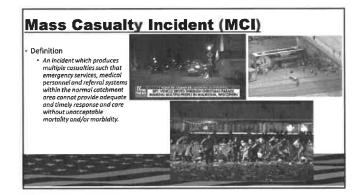
# Goals:

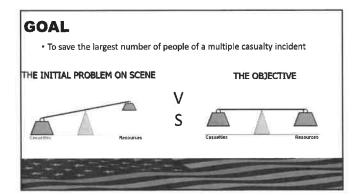
To encourage responders to provide potentially life-saving care to those in need
To protect responders from civil liability for any acts, omissions, or injuries occurred when delivering emergency care to victims

# For Good Samaritan Laws to be Applicable...

The situation must be an <u>Emergency</u>
The services rendered must be <u>Voluntary</u>
The victim receiving care must be accepting of it - obtain <u>Consent</u> whenever possible
The care provided must be rendered <u>Free of charge</u>
The care performed must be done "<u>In good faith</u>" to help







Triage	
When do we need to triage ?	
When the incident out ways the number of rescuers!!	
<b>建筑建筑建筑</b>	

SALT	TRI	AGE	
		SALT	Triage
		ort, Assess	

- Assess, Lifesaving Interventions, for Transport
- Developed in effort to create a single, nationally recognized triage protocol for mass casualty incidents.
- Designed based on best practices from other triage protocols.
- Includes four core concepts
- Voice commands
- Interventions
- · Separation of expectant and deceased
- Simple application for any age

# **Triage Categories**

- ☐ Red (1)= immediate critical patient
- D You delayed serious patient that could wait until all reds. have been transported
- ☐ Green(3) = ambulatory / hold minor injuries
- ☐ Black = deceased (expectant)





Principles of Moving Pa	tients Safely
First is your SAFETY Lifting / Moving is the #1 cause of off the job	injuries
Body Mechanics Proper and efficient use of your body to Estimate the weight. Make a plan. Know YOUR physical limitations.	o facilitate lifting and moving

Principles of N	Noving F	Patients	Safely
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Proper and efficient use of your body to facilitate lifting and moving

Position your feet properly.

Lift with your legs.

When lifting object with one hand, avoid leaning to either side.

Keep weight as close to your body as possible.

Minimize twisting during lift.

- Only move patient when absolutely necessary.



Types of Moves
EMERGENT MOVES – VS- NON- EMERGENT MOVES
LET'S GET OUT OF HERE
<b>************************************</b>

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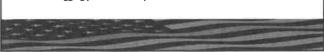


An emergent move, also called an emergency move

- When scene is hazardous
- · When patient requires immediate repositioning
- · When you must reach another patient who requires lifesaving care

Most common Emergency move is a Drag

- · Patients pulled by their clothes, feet, or shoulders or by using a blanket
- Initiated from shoulders by pulling along the long axis of body
- · Avoid dragging patient sideways.



# NON- Emergent Moves

- Extremity Lift
  - Two rescuers
  - · One lifting patient's arms
  - One lifting patient's legs
  - Ideal for moving patient from ground
  - Do not perform if head, neck, spine, shoulder, hip, or knee injury, or suspected fractures to extremities.
  - If they can walk, LET Them!!



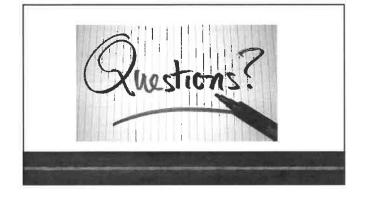
# **Reference List:**

American Heart Association

- Heartsaver First Aid Student manual, 2020
- Friends and Family CPR Student Manual, 2015
- Stop the Bleed Course https://www.stopthebleed.org/
- NAEMT TECC Course Manual 2<sup>ND</sup> EDITION
- ITLS : International Trauma Life Support
- Emergency Medical Responder 11th Edition, 2019
- Google Images

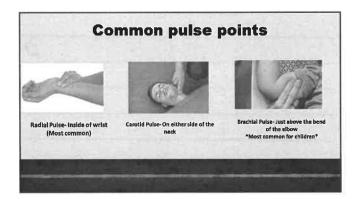


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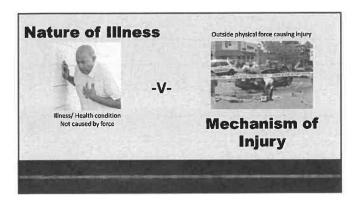


Module 2- Medical Emergencies	
Define the following terms:  - ABCs - AVPU scale - Nature of illness (NOI) -v- Mechanism of injury (MOI) - Primary assessment - Pulses- Where to find? - Signs - Symptoms	
Module 2 - Objectives  - Discuss common Medical Emergencies and there Treatment.  - Demonstrate how to use an Epi-Pen  - Demonstrate and discuss how and when to administer Narcan.	

he Problem ssment
NOW WHAT?  A-Airwayis it open or is it blocked?  B-Breathing is he breathing (chest rise & fall) C-Groulation Does he have a pulse?
Any major life threats that could kill him in the next 3 seconds?

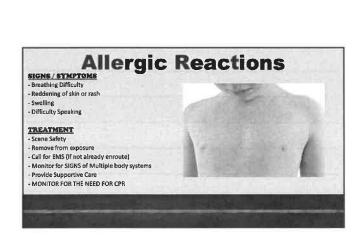


# Awake Verbal Patient responds to a verbal stimulus Pain Patient responds to a pain stimulus Unresponsive To stimulus Patient is unresponsive to stimulus



nderstanding	Adequate Breathing:	
Sufficient to	support life?	
Easy and eff	ortless?	
Able to spea	k full sentences withou	t having to catch breath?
	HORI	MAL RESPIRATORY PATES
	Newborns	MAL RESPUBLICATION PATES  44 respirations per minute
	A STATE OF THE PARTY.	September 19 Company of Assessment of Street,
	Newborns	44 respirations per minute

	Breathing Problems
Signs	of normal breathing
-Ris	se and fall of chest
	ten for air entering and leaving nose and mouth.
	oserve skin color.
	serve level of responsiveness.
-Fe	el for air moving into and out of nose and mouth in unresponsive patients.
Signs	of abnormal breathing
-In	creased work of breathing
	sent or shallow rise and fall of chest
	tle or no air heard or felt at nose or mouth
-No	sisy breathing or gasping sounds
_	



SIGNS / SYMPTOMS - Breathing Difficulty	Sgus and a anaph	ylaxis
- Reddening of skin or rash	Seeling of the conjunctivis	Control servent system - highteendy-inexs
- Swelling	Planny ness	-less of consciousness -continue
- Difficulty Speaking	Sootling of lips, tengus and/or Great	-beatistie -arriety
TREATMENT	rement Multiple 60	dy Systems diese
- Scene Safety	- fire bassed	- Maring
Remove from exposure	Silver threes	
- Call for EMS (If not already enroute)	- Inchinese - Theshine	Chrystrolete strine? - crosspy skelentine
Assist with patient's Epi-Pen if trained to do so	W 1923	- All -
Provide Supportive Care	Palvicpain	- verning
MONITOR FOR THE NEED OF CPR	17 (19)	Loss of bladder corned



# Just another routine traffic stop right? NOTHING IS ROUTINE! ARE YOU PREPARED?



# Heart Attack Typical signs and symptoms -Pain, pressure, tightness, or heaviness to the chest/upper abdomen -Pain or discomfort behind the sternum -Pain radiating to the shoulders or arms -Pain to the back, neck, jaw or upper abdomen Atypical signs and symptoms -"Flu-like" signs and symptoms such as nausea and vorniting -indigestion -Feeling of general weakness

# **Heart Attack**

# **Emergency Care**

- -Provide emotional support and reassure the patient.
- -Allow the patient to maintain a position of comfort
- -Monitor ABCs
- -If patient looses consciousness Check for a signs of life, Start CPR if needed.
- Notify EMS in change of patients condition

# **Fainting**

Passing out, blacking out, a sudden loss of consciousness. This partial or complete loss of consciousness is caused by a temporary reduction of blood flow to the brain. The person usually falls or slumps over.

It can be a minor, temporary occurrence or it can be caused by a medical condition

# **Reasons For Fainting**

Emotional shock

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Sight of blood
Standing up suddenly

Lack of food
Over-exertion

od ion Stending in hot conditions

Heart rhythm changes or heart conditions

Dehydration
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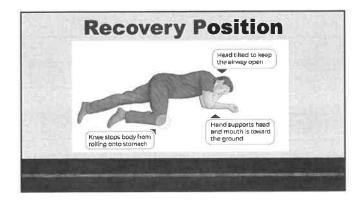
# **Fainting**

# Treatment

Check for breathing,

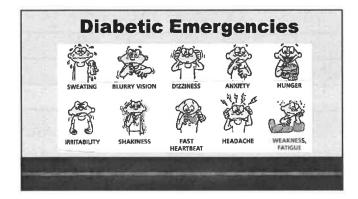
- If the person isn't breathing, begin CPR. Advised EMS enroute.
- If they are breathing but still unresponsive roll them on their side Recovery Position

If the person was injured in a fall associated with fainting, cuts or Injuries appropriately.





Diabetic Er	nergencies
Diabetes Disease that prevents individuals from pro	oducing enough insulin or from using insulin effectively
Insulin     Hormone released by pancreas     Allows glucose (blood sugar) to enter	cells to be used as energy
Hyperglycemia = High Blood Sugar	Hypoglycemia = Low Blood Sugar
Gradual onset	Rapid onset
Causes of high blood sugar	Causes of low blood sugar
- Not taking enough insulin	- Taking too much insulin
- Eating too much sugar	- Eating too little sugar
	- Overexertion



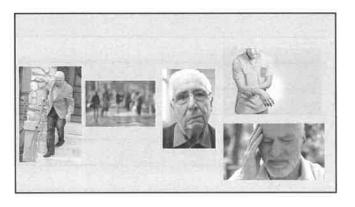
# **Diabetic Emergencies**

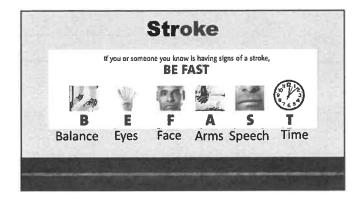
# **Emergency Care**

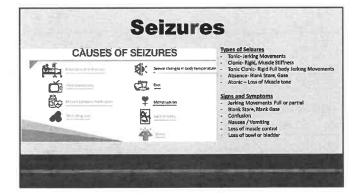
- If patient is able to check their blood sugar, Have them do it. If trained you may assist.
- If in the Emergent setting with Altered Mental status treat as Hypo Low Blood Sugar

  If the patient is able to swallow encourage the to eat or drink something that contains sugar.

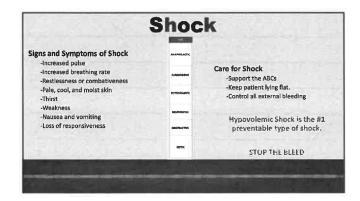
  Such as Candy or Orange juice, Soda
- If the patient is not alert, do NOT give them any anything by mouth
   This may cause an airway obstruction!



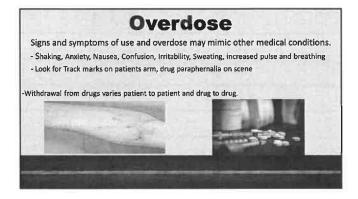


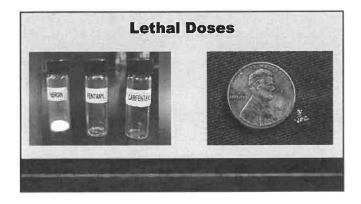


Questions  - Do they have a Seizure History?  - Do the take medication for seizures?  - Any Trauma to the head?  - How long did they look like?	TREATMENT - PPE - PROTECT IN PLACE - ADVISE DISPATCH OF NEED FOR EMS - PROVIDE SUPPORTIVE CARE - MONITOR FOR THE NEED OF CPR
- How many have they had?	







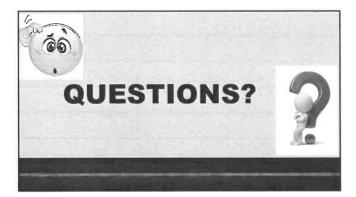




# 720 ILCS 570/414

A person who, in good faith, seeks or obtains emergency medical assistance for someone experiencing an overdose shall not be arrested, charged, or prosecuted for a violation of Section 401 or 402 of the Illinois entrolled Substances Act, Section 15. of the Drug Daraphernal's Central Act, Section 15. of the Carlo Daraphernal's Central Act, Section 15. of the Carlo Daraphernal's Control Act, Section 15. of the Carlo Daraphernal's Carlo of the Carlo of the Carlo Daraphernal's Carlo of the Carlo of the Carlo of Carlo of the Carlo of t

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# Module 3-Injury Emergencies

# **Module 3 - Objectives**

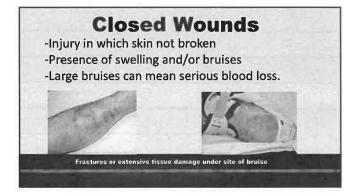
- Closed wounds
- Open wounds
- Abrasions & Lacerations
- Puncture Wounds
- Wound packing
- Impaled objects
- Avulsions
- Amputations

# **Module 3 - Objectives**

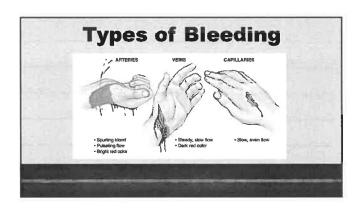
- Open chest injuries
- Occlusive and Flutter- Valve Dressings
- External Bleeding
- CAT Tourniquet
- Hemostatic Agents
- Burns

Splinting and Bandaging

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# **Direct Pressure**

- · Locate the source of the bleeding
- · Apply direct pressure to wound with clean dressing.
- · Don't release pressure to check the wound
- If the bleeding continues add gauze and think about next steps.

The #1 cause of preventable death after injury is

# **Abrasions**

-Minor open wounds -Skinned elbows and knees "road rash," and "rug burns"



# Lacerations

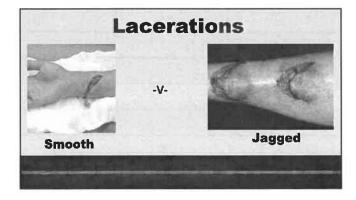
# Smooth cuts, or incisions

- -The edges of a smooth cut appear straight.
- -Deep incisions can cause severe tissue damage and life.

Razor blades, knives, and broken glass

# Jagged cuts

- -These are tears with rough edges.
- -Usually, they occur when the skin is cut by an object that does not have a very sharp edge.
- -May be produced from the impact of a blunt object



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# **Treatment**

Locate the source of the bleed Use Direct Pressure to try and stop the bleed Monitor for signs for signs of shock Monitor the need for CPR and provide it if needed

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- Objects such as knives, nails, and ice picks produce puncture wounds.
- Object puncturing body will tear through skin and usually proceed in straight line, damaging underlining tissues.
- When dealing with puncture wound, assume extensive internal injury and internal bleeding.
- Always check for an exit wound.



# **Impaled Objects** Impaled objects are treated the same as puncture wounds except you: -stabilize impaled object by using bulky dressings. -Do not remove the object unless the object is an airway obstruction or prevents CPR from being performed when needed.

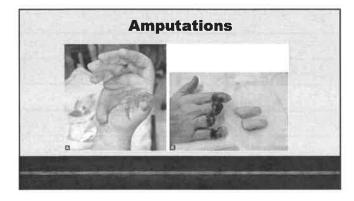
Avulsions		

# **Avulsions**

-Tearing loose or tearing off of large flaps of skin -If avulsion occurs, gently fold skin back to normal position prior to applying direct pressure.

# Treatment:

- Bleeding control
- Save and preserve avulsed or amputated part.
- Wrap body part in sterile dressing.
   Place into plastic bag or wrap in plastic wrap



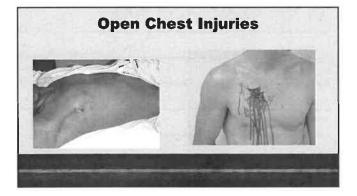
# **Amputations**

Loss or removal of a body part Common amputated body parts -Finger, toe, hand, foot, arm & leg

Treatment

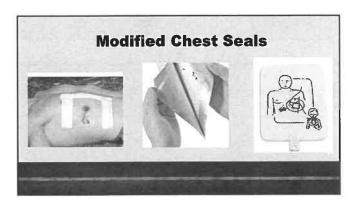
-Expose the wound

- -Control bleeding and provide care as you would for open wound
- -Provide care for shock
  -Treat amputation the same way as an avulsed part.
- Save and preserve part
- Make sure body part is taken to hospital with patient



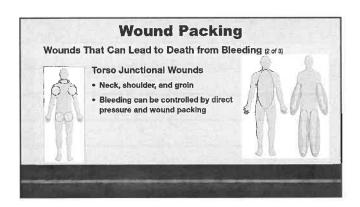
# Open Chest Injuries Penetrating injury -Bullet, Knife, Glass, Steel rods, Pipes Sucking chest wound -Open chest wound characterized by sucking sound each time patient inhales. Tension pneumothorax -Air builds up inside chest cavity, causing excessive pressure on one side of chest.



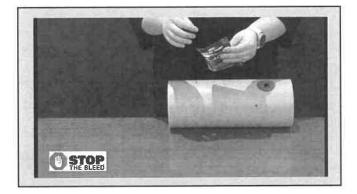


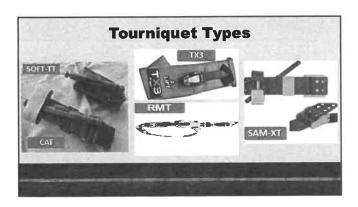


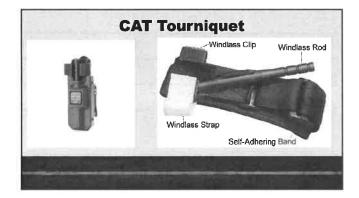




# Wound Packing - Locate the source of the active bleed - Apply direct pressure until supplies are ready - Remove Clothing around the wound - Pack the wound with Hemostatic dressings or Gauze - Continue to stuff the wound until bleeding subsides or stops







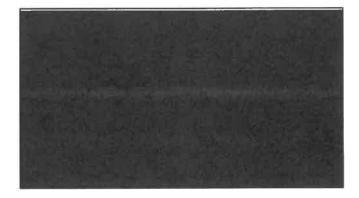
# **Tourniquet Application**

# **Tourniquet Application**

- Apply immediately if life-threatening bleeding is seen from an arm or a leg
- The tourniquet can be placed right on top of clothing, if necessary
- Place 2 to 3 inches above the bleeding wound (higher on the arm or leg)
  - BUT...
     DO NOT apply directly over the knee or elbow joints
    - The bones of the joint will prevent the tourniquet from compressing the artery, so you won't stop the bleeding
    - DO NOT apply directly over a pocket that contains bulky items
      - Anything in a pocket that is underneath a tourniquet will interfere with the function of the tourniquet
- interfere with the function of the tournique. Tighten the tourniquet until bleeding stops

# **Tourniquet Application**

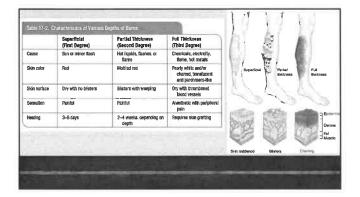
- Tourniquets HURT when applied effectively (they HURT A LOT)
- Explain this fact to the victim
- . Pain DOES NOT mean you put on the tourniquet incorrectly
- Pain DOES NOT mean you should take the tourniquet off



# **Common Mistakes**

- Not using a tourniquet or waiting too long to apply it when there is life-threatening bleeding
- Not making the tourniquet tight enough to stop the bleeding
- Not using a second tourniquet, if needed
- Periodically loosening the tourniquet to allow blood flow to the injured extremity
  - Causes unacceptable additional blood loss-DO NOT LOOSEN
- · Removing a tourniquet
  - Only a paramedic or physician should loosen or remove it

# Layers of the skin • Epidermis • Dermis • Subcutaneous layer Types of Burns • Superficial (First Degree) • Partial Thickness (Second Degree) • Full Thickness (Third Degree)



•	Most burn patients who die in the prehospital setting die from an occluded
	airway, toxic inhalation, other trauma, or infection post Burn.

- Respiratory System

  Burns and inhalation of superheated air can cause obstruction of the airway,
  Smoke and toxic gas inhalation can cause respiratory compromise and poisoning.
  Circumferential chest burns can impair ventilation

- Circulatory system

  Burn shock can develop after a few hours.

  Edema can further compromise tissue perfusion.

  Burn injuries can cause extreme fluid loss.

Nervous and musculoskeletal systems

Loss of function of extremities

Loss of Feeling



# **Treatment**

- Scene Safety / BSI
- If safe to do so remove the patient form the source or source from the patient
- Maintain ABC's
   Control Any life-threatening bleeding.
- Remove any tight or restrictive unattached clothing / Jewelry
- · If still burning able cool the burn area with cool water
- Cover the burn with a Dry, Sterile, Non-Stick Dressing

# **Musculoskeletal Injures**

# Fracture

Any time bone is broken, chipped, cracked, or splintered Dislocation

One end of a bone that is part of a joint is pulled or pushed out of place.

Force of dislocation may cause a fracture of the adjoining bone.

Excessive twisting forces cause ligaments and tendons to stretch or tear. Strain

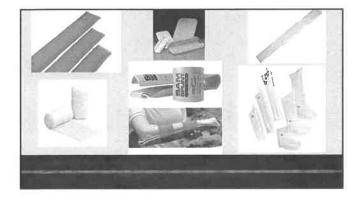
Caused by overexerting, overworking, overstretching, or tearing of a muscle



		Ec.
Æ	Closed	
	Open	
	E	2

1	3

Signs and Symptoms	
Angulated (deformed) injuries  Extremity is bulging, bent, or angulated where it normally should be straight.  Exposed bone  Pain  Swelling  Discoloration  Deformity  Inability to move a joint or limb  Numbness or tingling sensation  Class of pulse  Class of pulse	
Treatment	
Scene Safety / BSI Control Any life-threatening bleeding. Assess the need for CPR Fracture - Apply ice or cold pack if available to prevent swelling Sprains - Apply ice or cold pack if available to prevent swelling Strains- Apply Heat pack if available Splint in position found or position of comfort	
Provide supportive care	
Splinting	
Allows reposition and transfer of patients while minimizing movement of injury	
General Rules for Splinting Assess and reassure patient. Expose injury site. Control all major bleeding. Dress open wounds.	



### **Reference List:**

- Heartsaver First Aid Student manual, 2020
- Friends and Family CPR Student Manual, 2015
   Stop the Bleed Course https://www.stopthebleed.org/
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MODULE 4
<b>ENVIRONMENTAL</b>
<b>EMERGENCIES</b>

### **OBJECTIVES**

- Explain the four ways the body loses excess heat.
- Explain the appropriate assessment and care for a patient experiencing a heat-related emergency.
- Differentiate the signs and symptoms of heat exhaustion and heat stroke
- Describe the signs and symptoms of a cold-related emergency.
- Explain the appropriate assessment and care for a patient experiencing a cold-related emergency.



### **OBJECTIVES**

- Explain the appropriate assessment and care for a patient experiencing an emergency related to a bite or sting
- Describe common methods used for water-related rescue.
- Explain the hazards related to water rescue.
- Describe the safety concerns involving ice-related incidents.
- $\bullet$  Value the importance of proper training when attempting to conduct a water rescue.



OBJECTIVES	
Define the following terms: Frostbite Heat cramps Heat exhaustion Heat stroke Hyperthermia Hypothermia	
The state of the s	
Temperature and the Body	
Temperature regulation Process of maintaining proper body temperature	
Hyperthermia — High Body Temp     When heat gain occurs faster than body can shed heat.     Hypothermia — Low Body Temp     When body loses heat faster than it can produce heat	
Heat Emergencies	
Heat Cramps Signs and Symptoms Mild to moderate perspiration Warm or cool skin temperature Skin color may be normal to pale. Weakness, exhaustion, dizziness Nausea and vomiting	
<ul> <li>Muscle cramps</li> <li>Rapid, shallow breathing</li> <li>Rapid, weak pulse</li> </ul>	
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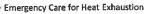
Heat	<b>Emergencies</b>	ì
Heat Stro	ke	
• Temp	erature-regulating mechanisms:	f

- Unable to get rid excess heat.
- Core temperature allowed to rise uncontrolled, causing body to overheat
- It is a life-threatening emergency.

- Signs and Symptoms
  Confusion
  Lack of sweating
  Skin red, hot and dry
  Rapid, shallow breathing
  Rapid pulse
  Weakness, exhaustion, dizziness
  Nausea and vomiting
  Convulsions (Seizures)



**Heat Emergencies** 



- Take appropriate BSI precautions.
- Ensure breathing is adequate.
- · Move patient to cool area.
- Loosen or remove excess clothing.
- Cool patient by fanning or applying small amounts of cool water
- Encourage them to sip on water or an electrolyte based drink
- Wet the skin or immerse the patient in cool water.
- Do not induce shivering.

### **Heat Emergencies**

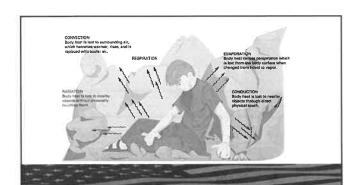
- Place cold packs or ice bags in pulse points.
   Under armpits

  - On groin
    Each side of neck



### Temperature and the Body

- Radiation
   Body heat is emitted into environment.
- Conduction
  - Loss of body heat through direct contact with object or ground
- Convection
- Loss of body heat when air close to skin moves away, taking body heat with it
- Evaporation
- Loss of body heat through evaporation of moisture in form of sweat on skin
- Respiration
- · Heat leaves body with each breath.



### **COLD EMERGENCIES**

- Hypothermia
  - · Body loses heat faster than it can be generated.
  - Young children and elderly more susceptible
  - · Blood is shunted from the extremities to the body's core.
    - Protects the vital organs

### Signs and Symptoms

- Cool or cold skin temperature
  Shivering (Absence of shivering is a late sign.)
- Altered mental status
- · Lack of coordination
- Muscle rigidity Complaints of joint/muscle stiffness
   Impaired judgment / Confusion



### **COLD EMERGENCIES**

- Emergency Care for Hypothermia
  - Take appropriate BSI precautions.
  - Ensure adequate breathing.
  - Remove patient from cold environment.
  - Do not allow patient to walk or exert himself/herself in any way.
  - · Protect patient from further heat loss.
  - Remove wet clothing and place blanket over and under patient.



### **COLD EMERGENCIES**

- Localized Cold Injury
  - · Cold injury or frostbite
  - · Freezing or near freezing of body part
- Typically occurs first in the extremities
  - · Fingers and toes

  - Face
     Nose
  - Late Signs and Symptoms

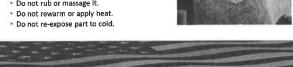
  - White, waxy skin
     Firm to frozen feeling upon palpation



### **COLD EMERGENCIES**

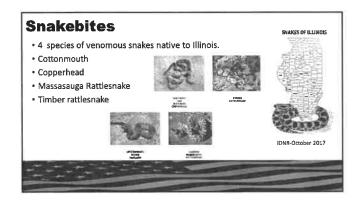
- Emergency Care for Cold Injury
  - Take appropriate BSI precautions.
  - Ensure adequate breathing.
  - Remove patient from cold environment.
  - Remove wet or constrictive clothing.
  - Cover affected part.
  - Remove jewelry from injured part.
  - Do not rub or massage it.





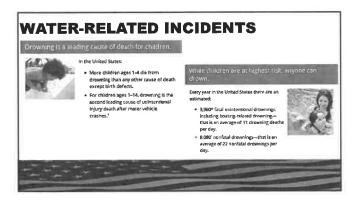
# BITES AND STINGS • Signs and Symptoms of Localized Reaction • Noticeable puncture marks on skin • Pain at or around injury site • Redness, itching at injury site

# BITES AND STINGS • Emergency Care for Localized Reaction • Take appropriate BSI precautions. • Perform scene size-up. • Ensure adequate breathing. • Scrape away bee and wasp stingers and venom sacs. • Do not attempt to pinch or pull out stingers. • Plastic credit card • Place cold pack over injury site. • Monitor for Allergic reaction / Anaphylactic Shock



# Snakebites • Signs and Symptoms • Fang Bite Marks • Labored breathing • Weakness • Vision problems • Nausea and vomiting • Swelling to the area

### WATER-RELATED INCIDENTS • Illinois officers investigated 36 injuries were reported in, FY 2020, • Illinois officers investigated 81 reportable boat accidents, FY 2019 • A total of 21 fatalities were reported in FFY2020



### SUBMERSED VEHICLES Car crashes where water submersion was the main factor make up less than 1% of traffic fatalities nationwide, according to National Highway Traffic Safety Administration 2004 to 2007 there was an annual average of 384 traffic fatalities in which accidental drowning was listed as one of the causes of death

Reaching the Victim Major problem is reaching victim. Secure your position so you will not be pulled into water. Throw objects that will float. Throw flotation devices attached to line. Never attempt water rescue by yourself. Unless trained to work in the water, do not attempt rescue	ČHECKLISŤ
7	TALK REACH THROW ROW GO & TOW

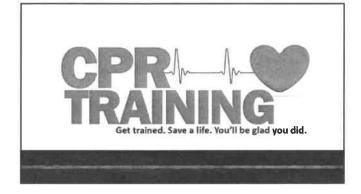
# Unless trained to work on ice, do not attempt rescue. Never attempt ice rescue by yourself. Never go onto ice that is rapidly breaking up. Throw line to victim or reach out with stick or pole. Ice rescues require special training, protective clothing, rescue equipment. Broken legs and hypothermia are often problems.

### **Reference List:**

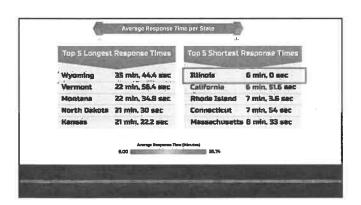
- Heartsaver First Aid Student manual, 2020
- Friends and Family CPR Student Manual, 2015
- Stop the Bieed Course https://www.stopthebleed.org/
- NAEMT TECC Course Manual 2<sup>ND</sup> EDITION
- ITLS : International Trauma Life Support
- Emergency Medical Responder 11th Edition, 2019
- Google Images
- Youtube video





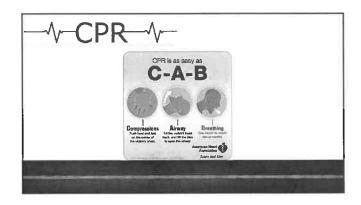


### Out-of-hospital Chain of Survival The 6 links in the adult out-of-hospital Chain of Survival are Recognition of cardiac arrest and activation of the emergency response system Early cardiopulmonary resuscitation (CPR) with an emphasis on chest compressions Repid defibrillation Advanced resuscitation by Emergency Medical Servines and other healthcare providers Post-cardiac arrest care Recovery (including additional treatment, observation, rehabilitation, and psychological support)













Coughing?

Check for No longer than 10 Seconds

Moving?

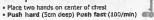
Breathing?

NO.... START CHEST COMPRESSIONS

YES... ROLL TO THEIR LEFT SIDE AND LOOK FOR OTHER PROBLEMS

### ompressions x 30





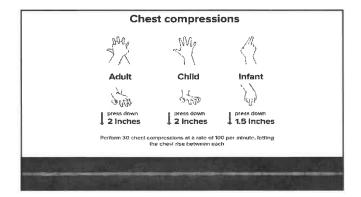


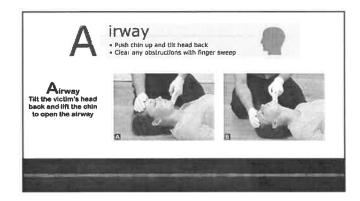
Compressions Push hard and fast on the center of the victim's chest

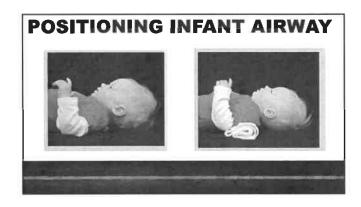
- 30 Compression's (5 Sets 2 Min)
- 100-120 Per Minute
- Allow chest full recoil back to it original position
- Switch Rescuers every 5 Cycles or 2 Minutes Or As needed
- · Minimize hand's off Time less than 10 seconds

- Bare the Chest
- PLACE THE PALM OF ONE HAND IN THE CENTER OF THE CHEST (Nipple Line)
- PLACE YOUR OTHER HAND DIRECTLY OVER THE FIRST
- LOCK YOUR ELBOWS
- PUSH DOWN APPROX 2" FOR THE ADULT PATIENT











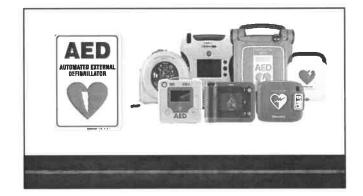
### **Circulation and CPR**

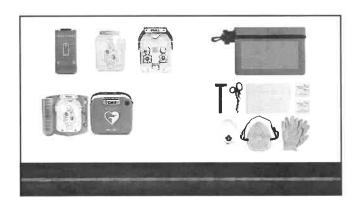
- Rates and Ratios of Compressions and Ventilations
  - Deliver compressions at rate of at least 100 per minute.
    - Avoid interrupting compressions for longer than 10 seconds.
  - Provide ventilations at ratio of two breaths for every 30 compressions.
    - Deliver each breath over one second.

Repeat cycles of 30 breaths and 2 ventilations until help arrives

### Infant CPR



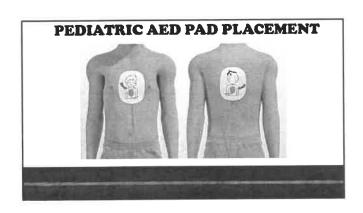


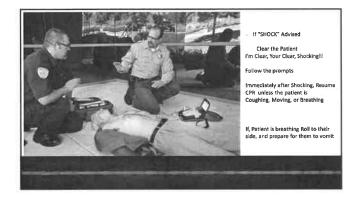


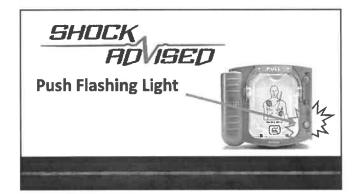


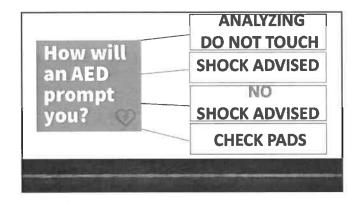
- Bare the Chest (Remove All Clothing)
- -Turn on the AED and Follow the prompts
- Place pads on Bare Chest (Skin to Pad Contact)

# ADULT AED PAD PLACEMENT

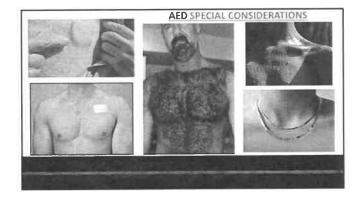


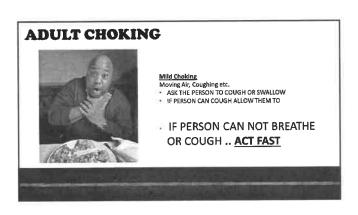




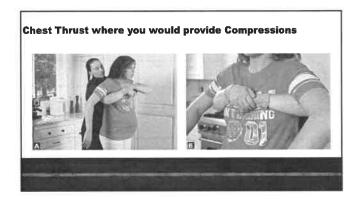


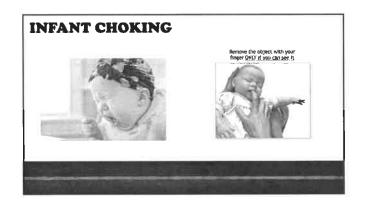












5 Back Slap / 5 Chest Thrusts CONTINUE UNTIL THE CLEAR THE OBJECT OR THE PASS OUT	
A THE A	
	I

### **Reference List:**

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- Friends and Family CPR Student Manual, 2015
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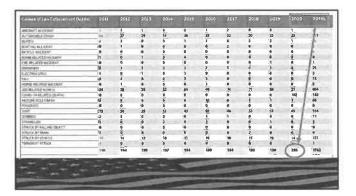




M	odule 6	
	SABA	
CARE	<b>UNDER</b>	FIRE

### **Overview**

- $\bullet$  Reality is that Law Enforcement is Most likely to be  $\underline{\text{FIRST}}$  on the scene during an Emergency.
- Officers must have a basic understanding and knowledge of how to provide medical aid/interventions to themselves and or their fellow officers.
- Nationally, 60,105 law enforcement officers were assaulted while performing their duties in 2020. These assaults were reported to the FBI by 9,895 law enforcement agencies. Based on these reports, there were 4,071 more officers assaulted in 2020 than the 56,034 assaults reported in 2019.



Self Aid	
Self Aid- Is that of care provided to one's self until helps arrives. Generally limited to hemorrhage control, self	-
rescue, and cover / concealment.	
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The second secon	
	-
Buddy Aid	
- Strain Strain Sandarana America	
Buddy Aid – Is that of care rendered by a fellow	
officer or officers. Generally limited to providing return / cover fire hemorrhage control, emergency	
extraction, and CPR.	
	-
THE RESERVE OF THE PARTY OF THE	
	_
- STAY CALM	
- Self Rescue / Self Contain	
- Call for Medical Assistance and Back-up Immediately	
Neutralize the THREAT     Return fire if required before providing medical care	7
- ADMINISTER ONLY LIFE-SAVING HEMORRHAGE CONTROL WHILE UNDER FIRE	
A STATE OF	

SAB	A KITS	
	At Minimum, Kit should contain:  - Tourniquet  - Pressure Bandage  - Tape  - Gloves  - Occlusive dressing	
<b>克斯克斯</b>		

### Casualty Movement Rescue Plan

If you must move a casualty under fire, consider the following:

- Location of nearest cover
- How best to move him to the cover
- The risk to the rescuers
- Weight of casualty and rescuer
- Distance to be covered Recover casualty's weapons if possible



### Types of Carries for Care Under Fire

- One-person drag
- Two-person drag
- SEAL Team Three Carry
- Hawes Carry



### Drags

- May be the safest, simplest technique
- Pull the patient along the long axis of the body.
- Keep spinal column in line.
- Grasp inside collar of officer's vest.
- Support the officer's neck with your forearms.
- Limit motion of head and neck.



### One-Person Drag

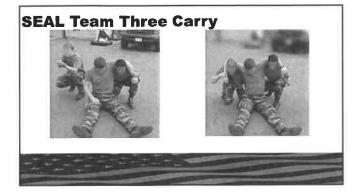


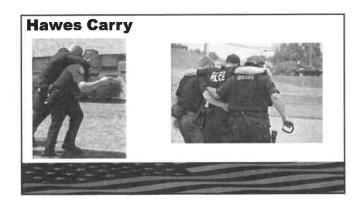
### Two-Person Drag













### **K9** Care



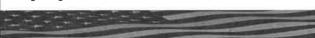
Emergency transport of an injured law enforcement K9 can be life-saving.

Illinois, Mississippi, New York, and California passed laws allowing EMS to police K9s that are injured in the line of duty as long as no human requires transport at the same time.



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- \* Friends and Family CPR Student Manual, 2015
- Stop the Bleed Course https://www.stopthebleed.org/
- NAEMT TECC Course Manual 2ND EDITION
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