

### Squaw Butte Chapter Emmett, Idaho Est: 1992



A Non-Profit Service Organization





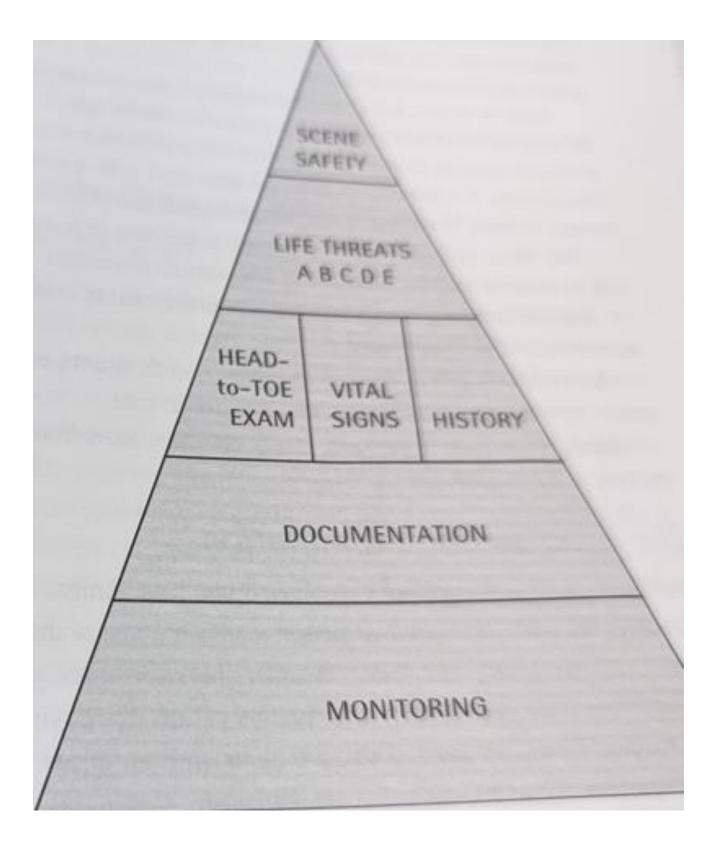
https://goto.hsi.com/hubfs/117004 ASHI G2015 INSTWFA15 WildernessFirstAid IG 040218 Preview.pdf

## Wilderness First Aid Legal Considerations

- Consent Before Care is given, if the patient is responsive get consent before attempting to treat.
- Abandonment Once you have started treatment don't leave until either a higher level of care is available, or the patient ends treatment.
- Confidentiality Communication between you and the patient is considered confidential.
- Good Samaritan Law You are covered by an Idaho liability Law for voluntary care.
- Documentation Document what you do in writing to hand over to advanced care givers and for your own legal protection.

## Patient Assessment Immediate

- Size up the Scene Establish Control
- Survey the Scene for Hazards
- Attempt to Determine the mechanism of injury.
- Protect yourself Isolate from Body Substances
  - o Gloves
  - Protective glasses
  - $\circ~$  In some cases, put on a mask.
- What are your general impressions of the scene and patient?
- Attempt to Establish a Relationship.
- Perform an Initial Assessment
  - Assess patient for immediate threats to life.
  - Perform A-B-C-D-E assessment.
    - A- Is for Airway
    - B- Is for Breathing
    - C- is for Circulation & bleeding
    - D- is for Disability
    - E- is for exposure/environmental factors
- Address immediate threats to life!

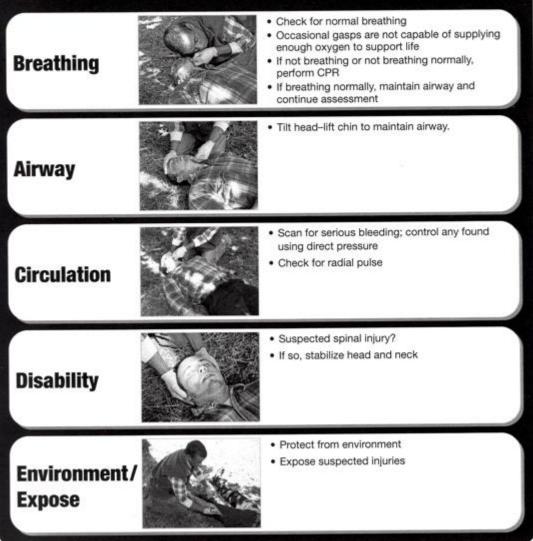


## **Skill Guide 1 – Initial Assessment**

### Unresponsive

#### **Emergency Action Steps**

- Assess Scene. If scene is not safe or becomes unsafe, GET OUT. Mechanism of Injury (MOI)?
- Use Body Substance Isolation (BSI)
- Assess patient. Tap shoulder, shout name. Not moving? No response?
- Attend to life-threats
- Plan for evacuation



Continue to attend to life-threats; plan strategy for evacuation

# Skill Guide 1 – Initial Assessment

### Responsive

#### **Emergency Action Steps**

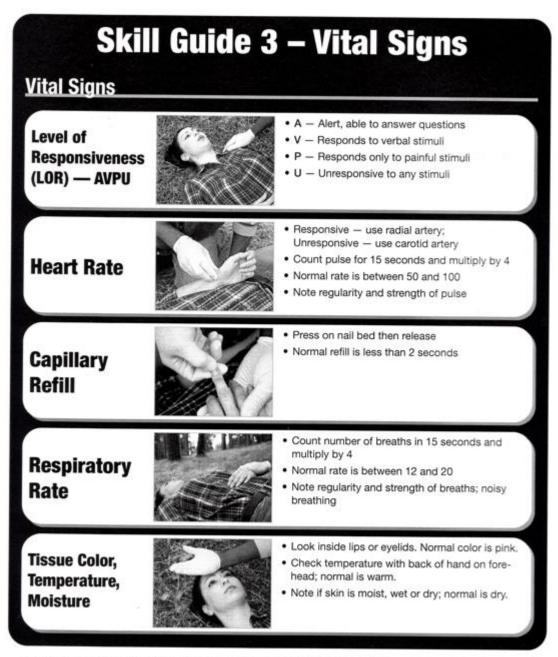
- Assess Scene. If scene is not safe or becomes unsafe, GET OUT. Mechanism of Injury (MOI)?
- Use Body Substance Isolation (BSI)
- Assess Victim. Identify yourself as trained and ask if it's OK to help.
- Attend to ABCDEs



Continue to attend to life-threats; plan strategy for evacuation

Skill Guide 2 – Physical Exam Physical Exam				
	<b>Steps</b> red, perform a head to toe formity, open wounds, ten			
Head		<ul> <li>Feel Skull</li> <li>Inspect ears, nose, eyes (pupils)</li> <li>Inspect teeth and jaw</li> <li>Smell for odor on breath</li> </ul>		
Neck/ Lower Back	Control of the second s	<ul> <li>Look for stoma, medical alert tag</li> <li>Feel cervical spine</li> <li>Feel as much of lumbar spine as possible</li> </ul>		
Chest		<ul> <li>Feel collarbones</li> <li>Press on the sternum</li> <li>Press both sides of rib cage while patient takes deep breath</li> <li>Inspect chest wall</li> </ul>		
Abdomen/ Pelvis		<ul> <li>Press four quadrants of abdomen</li> <li>Press down on pelvis</li> <li>Place a hand on each hip and press in</li> <li>Inspect for priaprism, incontinence</li> </ul>		
Extremities/ Back	3	<ul> <li>Expose legs/arms as necessary</li> <li>Feel length of extremity</li> <li>Check feet and hands for circulation, sensation, and movement</li> <li>If no spinal injury, roll and inspect back</li> </ul>		

Continue to attend to life-threats; plan strategy for evacuation



Continue to attend to life-threats; plan strategy for evacuation

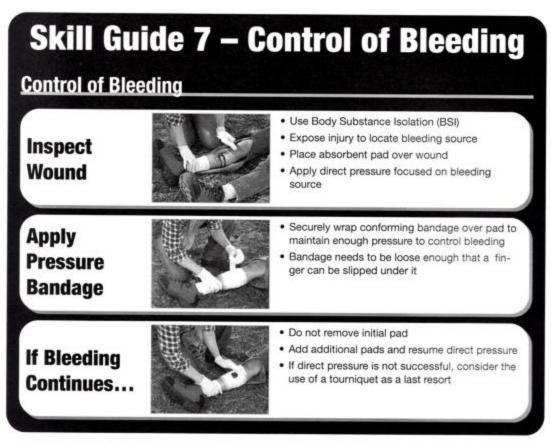


Continue to attend to life-threats; plan strategy for evacuation

Subjective Information	Content • Describe patient • Chief complaints? • Symptoms? • Sample history?	Sample Text 25 year old female complaining of left mid thigh pain after falling 21 feet while rock climbing at approx imately 1500 hrs today. Patien states she heard a loud pop when she landed on rock ledge and 9/10 pain started immediately. Histor of Asthma. Takes albuterol a needed. No allergies. Last mea was breakfast at 0800 today.
<b>O</b> bjective Information	Content • Physical exam findings? • Vital sign readings?	Sample Text Patient found supine on ground. A &O X 4 Tissue pale, cool and moist HR = 120, RR = 20 without distress Capillary refill = 3 seconds Exam reveals tenderness, swelling and obvious deformity of left leg at mid thigh
Assessment	Content • What do you think is wrong with patient?	Sample Text Possible femur fracture of left leg
<b>P</b> <sub>lan</sub>	Content • Treatment plan? • Ongoing assessment plan? • Stay or go, fast or slow?	Sample Text Provide spinal immobilization Splint left leg Treat for shock Monitor vital signs/check splint every 20 minutes Evacuate in litter to trailhead. Hand off to local EMS

### **Skill Guide 6 – Shock Management** Shock Management · Maintain a clear airway Manage · Ensure adequate breathing **Injuries** or · Control serious bleeding · Treat other significant problems Illnesses · Have patient sit or preferably lie down · Allow a patient with breathing difficulty to find a position of comfort. Position · Place something under and over the patient to Maintain prevent heat lost. Keep patient comfortable and calm **Normal Body** · Avoid giving the patient fluids or food Temperature Provide emergency oxygen if available and you Provide are trained in its use Emergency Oxygen

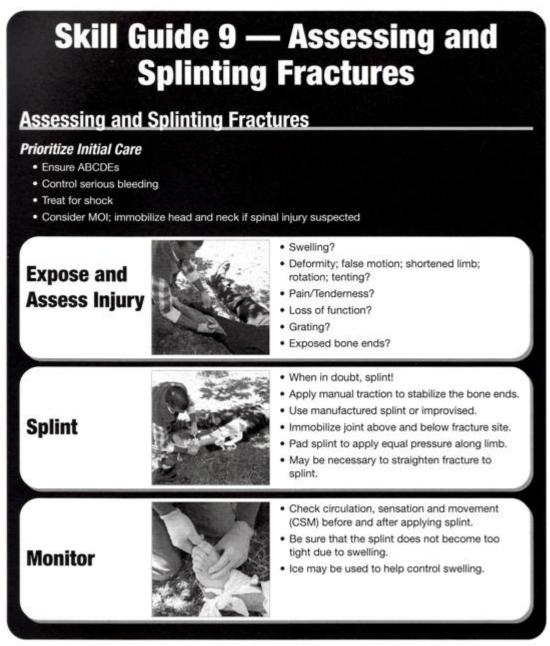
Continue to attend to ABCDEs; plan strategy for evacuation



Continue to attend to ABCDEs; plan strategy for evacuation

Skill Guide 8 – Burn Care Burn Care				
Expose and Cool the Burn	<ul> <li>Use Body Substance Isolation (BSI)</li> <li>Stop burning and remove clothing around burn; if stuck, leave in place</li> <li>Cool burn with water; large partial or full thick- ness burns should only be cooled enough to put out fire</li> </ul>			
Cover the Burn	<ul> <li>Cover burn with dry, sterile or clean dressing</li> <li>If evacuation is delayed, change dressings frequently</li> <li>Do not apply ointments, butter, antiseptic or lotion</li> </ul>			
Treat for Shock	<ul> <li>Fluid loss from burn will cause shock</li> <li>Consider an occlusive dressing to reduce fluid loss</li> <li>If burn involves face, closely monitor airway</li> <li>Serious burns should be evacuated as soon as possible</li> </ul>			

Continue to attend to ABCDEs; plan strategy for evacuation



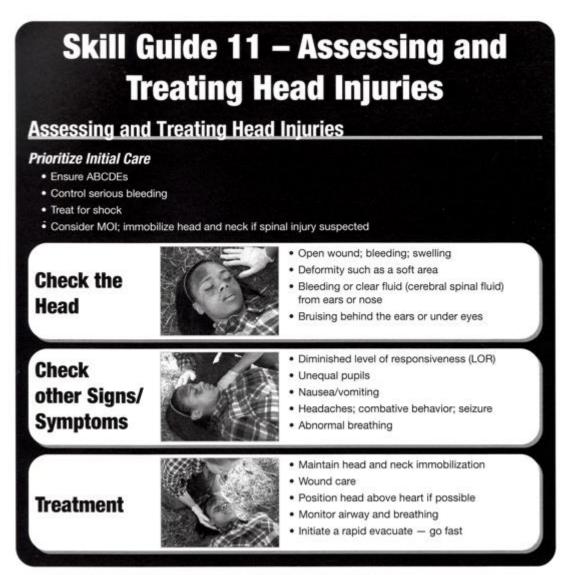
Continue to attend to ABCDEs; plan strategy for evacuation

## **Skill Guide 10 – Unstable Ankle**

## **Unstable Ankle**

If a patient must walk on an unstable ankle, tape can do some of the work of the damaged ligaments by restricting the range of ankle motion and providing support.





Continue to attend to ABCDEs; plan strategy for evacuation

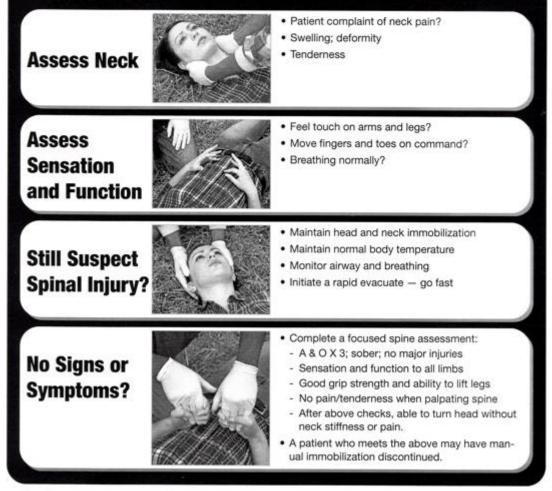
## Skill Guide 12 – Assessing Spinal Injuries

### Description

#### Prioritize Initial Care

- Ensure ABCDEs
- · Control serious bleeding
- Treat for shock
- Consider MOI; immobilize head and neck if spinal injury suspected.

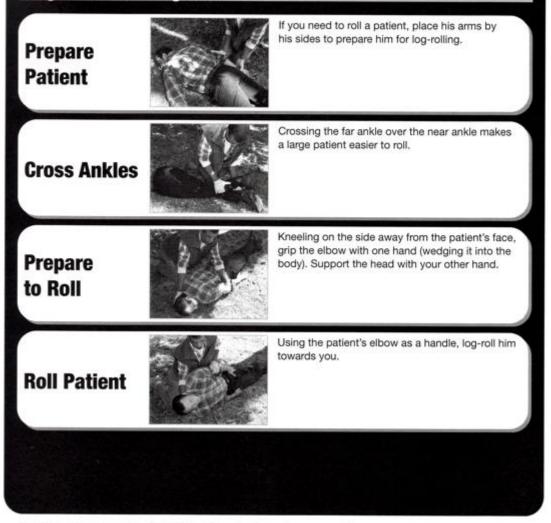
If unresponsive, assume spinal injury and maintain immobilization of head and neck. If responsive, assess for spinal injury.



Continue to attend to ABCDEs; plan strategy for evacuation

## Skill Guide 13 – Single Rescuer Log-Roll

Single Rescuer Log-Roll



Continue to attend to ABCDEs; plan strategy for evacuation

# Skill Guide 14 – Multiple Rescuer Log-Roll

### Multiple Rescuer Log-Roll

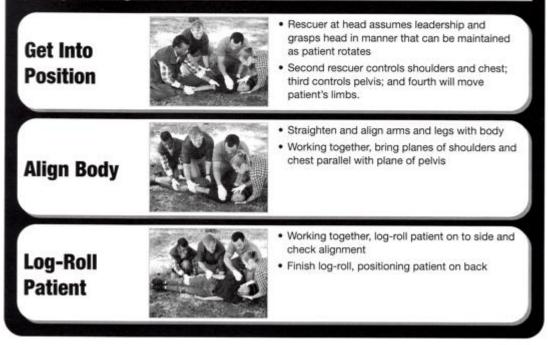
If three or more rescuers are available, use a multiple rescuer log-roll using the same basic principles as the single rescuer log-roll.

Immobilize Head and Neck	<ul> <li>Rescuer at head assumes leadership</li> <li>Bring head into neutral position using and maintaining slight traction</li> </ul>
Prepare Patient	<ul> <li>Second rescuer at shoulders places patient's arms against sides and holds in place</li> <li>Third rescuer grasps patient's hips</li> </ul>
Roll Patient	<ul> <li>When ready, rescuer at head calls for roll</li> <li>Body is rolled as a single unit without twisting</li> <li>Head and neck are kept in-line with body during roll</li> </ul>
Maintain Spinal Immobilization	<ul> <li>Once patient is rolled into position, spinal immobilization needs to be maintained until spinal injury is ruled out or a cervical collar and backboard (actual or improvised) are in place.</li> </ul>

Continue to attend to ABCDEs; plan strategy for evacuation

# Skill Guide 15 – Straightening the Pretzel

**Straightening the Pretzel** 

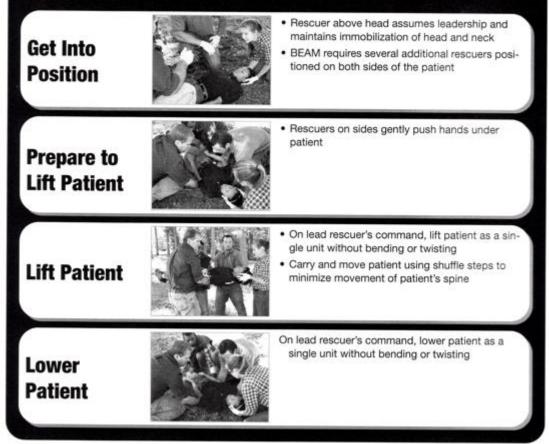


Continue to attend to ABCDEs; plan strategy for evacuation

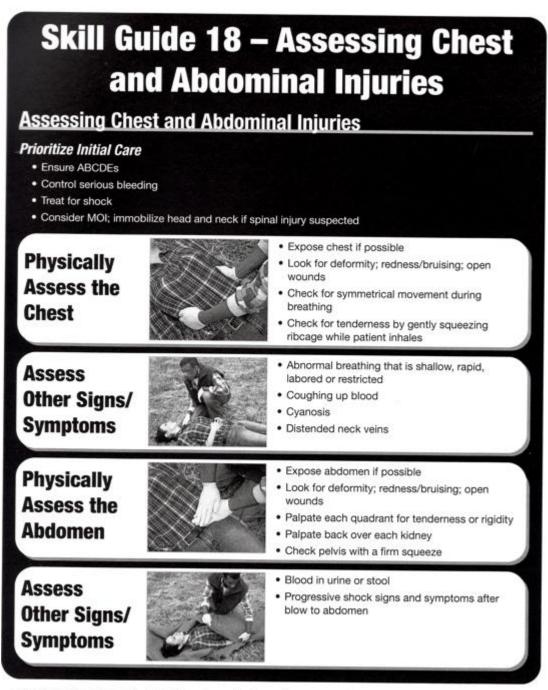
## **Skill Guide 16 – BEAM Move**

### **BEAM Move**

When a spine injured patient is not secured and has to be moved, use Body Elevation and Movement (BEAM).



Continue to attend to ABCDEs; plan strategy for evacuation



Continue to attend to ABCDEs; plan strategy for evacuation

## Skill Guide 19 – Assessing and Treating Hypothermia

Assessing and Treating Hypothermia

Mild/ Moderate Hypothermia

Severe

Hypothermia

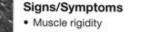


#### Signs/Symptoms

- Shivering
- Slurred speech, mumbling (umbles)
- Uncoordinated movement (fumbles)
- Confusion, apathy, sluggish thinking (grumbles)
- Altered gait (stumbles)
- Moderate hypothermia recognized by uncontrolled shivering and worsening umbles

#### Treatment

- Move out of cold and wind to warmer environment if possible
- Remove wet clothing and replace with dry
- Cover head and neck
- Give warm fluids and carbohydrates if patient can manage airway



- · Decreased LOR including coma
- Slowing pulse and respirations

#### Treatment

- Handle gently
- If breathing is absent, provide rescue breaths for 3 minutes before moving
- If pulse is absent, start CPR if it can be maintained until EMS hand-off
- · Gently move out of cold environment if possible
- Remove wet clothing and provide several dry insulating layers around patient
- Initiate a gentle but rapid evacuate go fast

Continue to attend to ABCDEs; plan strategy for evacuation

#### Guidelines for Prevention of Heat Illness

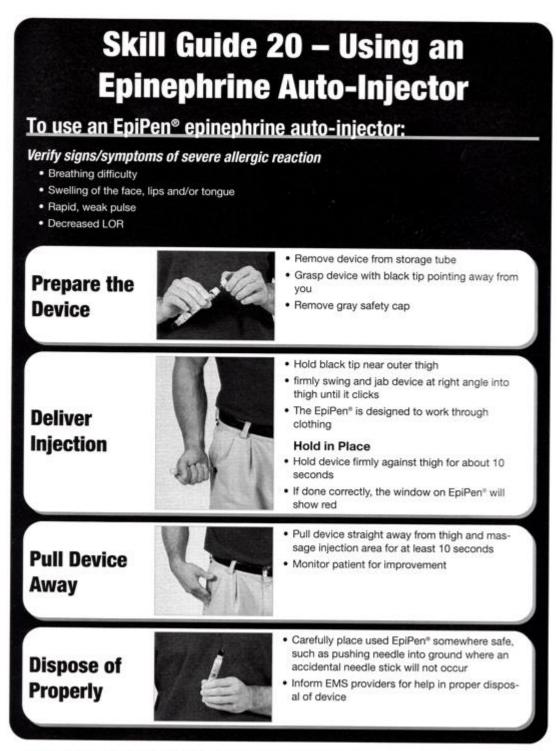
- Stay well hydrated. A hydration routine should be based on discipline and not on thirst. Consume 400-600 ml of water about 2 hours prior to periods of exercise. During exercise consume 150-350 ml of water for every 15-20 minutes of exercise. If exercise lasts for more than 1 hour, the addition of 4-8% carbohydrates and electrolytes (such as a sports drink) is recommended. Fluid replacement after exercise is also vitally important. Urine output should be clear and relatively copious, an indication of adequate hydration. It is practically impossible to drink too much water as long as you eat regularly, preferably low-salt snacks. Avoid alcohol and caffeinated drinks.
- Wear baggy, loosely-woven clothing that allows evaporation of sweat. Keep your head covered and your face shaded.
- Keep yourself fit, and allow time for acclimatization when you are new to a hot environment. Go slow the first few days and avoid exercising during the hottest times of day.
- Beware drugs that increase your risk of heat illness, including alcohol and antihistamines.
- · Rest often in the shade.

#### **Evacuation Guidelines**

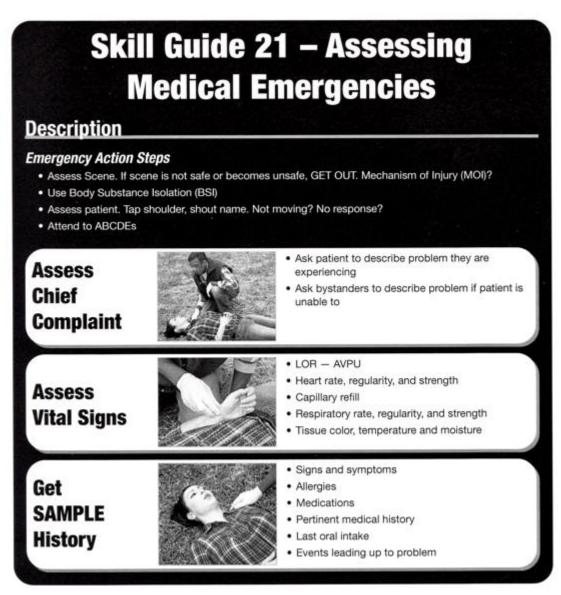
Evacuate — go slow — any patient that does not fully recover from heat exhaustion or mild hyponatremia. Evacuate rapidly — go fast — any patient who has an altered mental status due to heat or hyponatremia.

#### Conclusion

Even if you are acclimatized to heat, you need to know how much fluid you are losing to the heat and that you must replace it. You should be able to assess heat hazard, and protect yourself against it. You should also know the risk factors and predisposing conditions for heat illness, recognize the early signs and symptoms, and know what to do about them. With knowledge, preparation, fluid replacement, and prompt emergency care, heat casualties in warm weather activities can be avoided.



Continue to attend to ABCDEs; plan strategy for evacuation



Continue to attend to ABCDEs; plan strategy for evacuation

American Safety & Health Institute

ISBN 978-936515-05-9

Wilderness First Aid – Student Handbook 2010