Wek-Wek and Kchinkwehelak Present...

# WCA 2025 First Aid

Yerba Buena Lodge



E





**DO!** Check each other constantly **DO!** Help each other **DO!** Bring adequate clothing **DO!** Bring energy bars **DO!** Tell someone if not feeling well **DO!** Have adequate shelter

# **Don'ts**

**DON'T!** Use HOT liquids to warm up **DON'T!** Rub potential flesh conditions **DON'T!** Ignore symptoms **DON'T!** Jump in freezing water **DON'T!** Stick your tongue to a metal pole **DON'T!** Ignore the cold!!!





	Temperature (°F)																		
	Calm	40	35	30	25	20	15	10	5	0	-5	-10	-15	-20	-25	-30	-35	-40	-45
	5	36	31	25	19	13	7	1	-5	-11	-16	-22	-28	-34	-40	-46	-52	-57	-63
Wind (mph)	10	34	27	21	15	9	3	-4	-10	-16	-22	-28	-35	-41	-47	-53	-59	-66	-72
	15	32	25	19	13	6	0	-7	-13	-19	-26	-32	-39	-45	-51	-58	-64	-71	-77
	20	30	24	17	11	4	-2	-9	-15	-22	-29	-35	-42	-48	-55	-61	-68	-74	-81
	25	29	23	16	9	3	-4	-11	-17	-24	-31	-37	-44	-51	-58	-64	-71	-78	-84
	30	28	22	15	8	1	-5	-12	-19	-26	-33	-39	-46	-53	-60	-67	-73	-80	-87
	35	28	21	14	7	0	-7	-14	-21	-27	-34	-41	-48	-55	-62	-69	-76	-82	-89
	40	27	20	13	6	-1	-8	-15	-22	-29	-36	-43	-50	-57	-64	-71	-78	-84	-91
	45	26	19	12	5	-2	-9	-16	-23	-30	-37	-44	-51	-58	-65	-72	-79	-86	-93
	50	26	19	12	4	-3	-10	-17	-24	-31	-38	-45	-52	-60	-67	-74	-81	-88	-95
	55	25	18	11	4	-3	-11	-18	-25	-32	-39	-46	-54	-61	-68	-75	-82	-89	-97
	60	25	17	10	3	-4	-11	-19	-26	-33	-40	-48	-55	-62	-69	-76	-84	-91	-98
					Frostb	ite Tir	nes	30	30 minutes 🚺 10 minutes 🚺 5 minutes										
			w	ind (	Chill	(°F) =	= 35.	74 +	0.62	15T ·	35.	75(V	0.16) -	+ 0.4	2751	r(V0.1	16)		
								Air Ter										ctive 1	1/01/01

# Hypothermia

**Definition: Core Temperature Below Normal** 

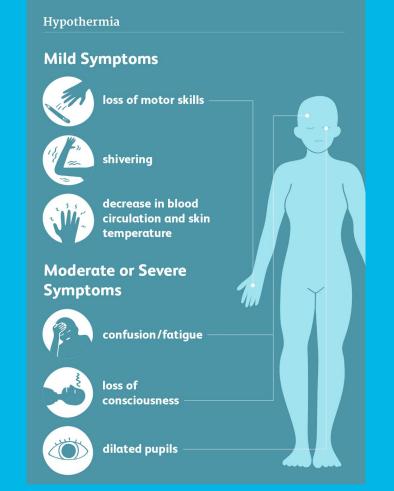
- Doesn't require cold weather
- Inadequate Clothing
- Inadequate Shelter
- Long Exposure to Wind, Dampness, or Cold Temperature
- Evaporative Cooling (Sweat)
- Inadequate Energy Supply (Food, Fluid)





### **Signs and Symptoms**

 Shivering Cold Complaints Difficulty Speaking •Fatique Slow Pulse and Respiration •Poor Motor Control (Stumbling) •The UMBLES



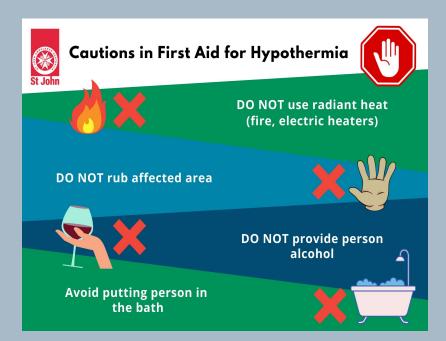
 Adequate clothing Steady intake of water and food •Bring high calorie food •Limited exposure to extreme climate Stay dry and keep active Check weather before your trip and plan accordingly





# Treatment- Hypothermia

- Remove Victim From Cold
- Provide Warm Drink and Snack
- Remove Wet Clothing
- Warm Victim Without Rubbing or Hot Materials (no boiling Water)
- WARM THEM UP SLOWLY



# FROSTBITE

### SYMPTOMS

Surface skin damage
Numb skin
Loss of feeling

### PREVENTION

- Avoiding temperatures below -15 °C
- Avoiding moisture
- Layering clothing
- Using warming devices



### **Signs and Symptoms**

Yellow or Gray Tint to Skin
Cold, Hard Skin
Pain or Numbness in Area
Black Coloration



 Proper Clothing and Footwear Exercise for Circulation •Layer Socks Check the Weather App •Handle metal things such as fuel cans with extra care



# Treatment- Frostbite/Frostnip

- Thaw Area Slowly, if in non-extreme environment
- Do Not Pop Blisters
- NO RUBBING OR MASSAGING
- Get Victim inside and to medical facility



# **Trench Foot**

Definition: A painful condition of the feet caused by long immersion in cold water

- Cause: Exposure to moist environments
- Temp is generally just above freezing
- Exposure is prolonged (24-48 Hours)



### **Signs and Symptoms**

Numb Feet or Toes
Wooden, Stiff Feeling in Feet
Cold & Gray Flesh
Pain... so much pain



 Constantly Replace Socks **•USE WOOL SOCKS** •Dry Feet Constantly •Layer Socks •Use moleskin when you feel blisters starting to form



# **Treatment-Trench Foot**

- Replace Socks Regularly
- Warm Feet with Warm Water Bottle
- Dry Feet With Towel
- DO NOT PUT A HAND WARMER IN YOUR SHOE



# **Snow Blindness**

Definition: A form of photokeratitis that is caused by UV rays reflected off ice and snow

- Cause: Exposure of eyes to Sun
- Can be Direct or Indirect
- Reflection off of Sand, Snow, or Water



### **Signs and Symptoms**

•Gritty Feeling in Eyes •Redness •Swelling Inability to Open Eyes •Sensitivity to Light •Headache





# WEAR EYE PROTECTION AND **USE GOGGLES**

### **Treatment- Snow Blindness**

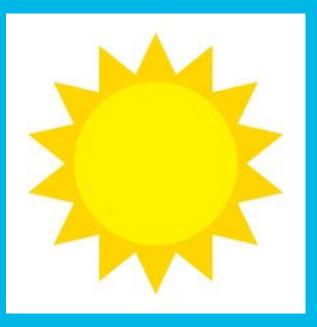
- Remove from Direct Light
- Cool Compress on Eyes
- NO EYE DROPS
- OTC Anti-Inflammatories



# Sunburn

Definition: reddening, inflammation, and, blistering and peeling of the skin caused by overexposure to the ultraviolet rays

- Burning Feeling
- Blisters
- Chapped/Irritated Skin or Lips
- Reddening of Skin



### **Signs and Symptoms**

 Burning Feeling •Blisters Chapped/Irritated Skin or Lips Reddening of Skin



 Use Sunscreen •Wear Layers •Wear Sunglasses Stay Hydrated Use Chapstick

#### How to Deal with Sunburned, Peeling Skin



# Treatment- Sunburn

- Apply Aloe Vera AFTER Skin Cools
- Reapply Sunblock
- Limit Exposure
- DO NOT POP BLISTERS
- OTC Anti-Inflammatories



# Dehydration

Definition: The loss or removal of water from something

- Cause: Lack of Fluid in Body
- Lack of Fluid Intake
- Excessive Sweating



## Signs and Symptoms









SWOLLEN TONGUE



FATIGUE

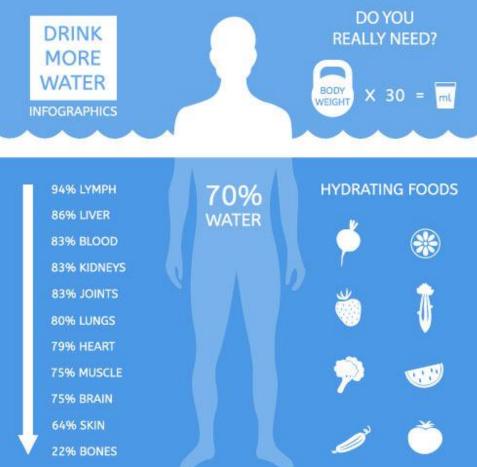


PALPITATIONS



BAD BREATH

HEADACHE



# **Treatment- Dehydration**

- Drink more hydrating fluids to replace the ones you have lost
- Replace Electrolytes
- Rest and Relax



# **Carbon Monoxide Poisoning**

Definition: When carbon monoxide builds up in your bloodstream

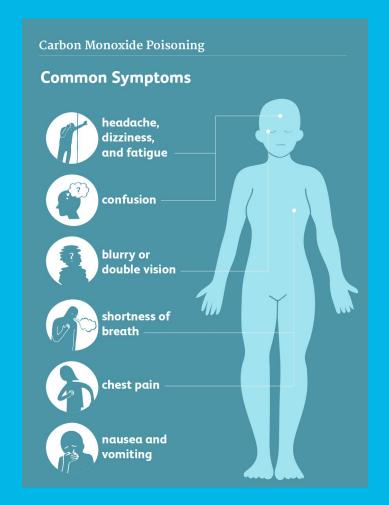
 Cause: Inhalation of Carbon Monoxide

 Fuel Burning in an Unventilated Structure



### **Signs and Symptoms**

•Blue tint on Lips •Blue Tint under Nails Cherry Red Face Lack of Breathing •Death



Ventilate All Structures
With Stoves and Fuel
Burners
Keep Stoves Out of
Tents



# Treatment- CO Poisoning

- Remove device from shelter
- Get fresh air
- Rescue breathing may be needed
- GET TO A HOSPITAL



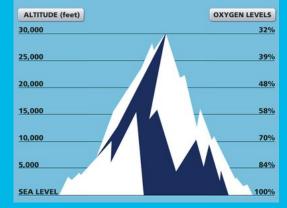
# **Altitude Sickness**

Definition: Illness caused by ascent to a high altitude and the resulting shortage of oxygen

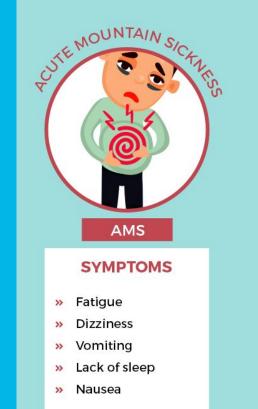
- Cause: Inability to acclimate to new altitude
- Usually starts at 5,000 feet above sea level
- Shortage of oxygen supply in air due to lack of air density



**OXYGEN LEVELS AT ALTITUDE** 



### **TYPES OF ALTITUDE SICKNESS**







•Climb in Altitude SLOWLY •Hydrate Regularly •Make Sure to Break and **Breathe** 



### **Treatment- Altitude Sickness**

- Get Down Quick!!
- Drink water
- Rest for a while even if sickness lessens
- Breathe deeply
- In extreme cases, contact medical service
- Only use oxygen tanks if you are TRAINED!

### **Remedies For Altitude Sickness** Eat carbs Avoid alcohol Do not smake **Breathe de**

# Summary

- Make sure to pack for cold weather -
  - Layers, warm clothes
- Bring plenty of nourishing food
- Monitor yourself and companions for any symptoms
  - Headaches,
- Make sure you can differentiate between different conditions (symptoms may be the same)
  - Treatment plans vary based on your condition!
- Have an adequate shelter
- Stay warm and dry
- In extreme cases, seek trained medical care

# Thank You!

# Any Questions?

### LIST OF PROPS FOR PRESENTATION - Kchinkwehlak

- Nalgene
- Metal Water Bottle
- First Aid Kit
- Windbreaker
- Cold Compress
- Ski Goggles vs Chem Goggles

### LIST OF PROPS FOR PRESENTATION – Wek-Wek

- Wool Socks
- Cotton Socks
- Cold Compress
- Sunscreen
- High Calorie Snacks