

CLS
TCCC

COMBAT
LIFESAVER



TACTICAL COMBAT CASUALTY CARE COURSE

MODULE 02: MEDICAL EQUIPMENT



Committee on
Tactical Combat
Casualty Care
(CoTCCC)

TCCC TIER 1
All Service Members


TCCC TIER 2
Combat Lifesaver

TCCC TIER 3
Combat Medic/Corpsman

TCCC TIER 4
Combat Paramedic/Provider

ROLE 1 CARE

NONMEDICAL PERSONNEL



**ALL SERVICE
MEMBERS**
ASM




**COMBAT
LIFESAVER**
CLS

MEDICAL PERSONNEL



**COMBAT
MEDIC/
CORPSMAN**
CMC



**COMBAT
PARAMEDIC/
PROVIDER**
CPP

◀ **YOU ARE HERE**

STANDARDIZED JOINT CURRICULUM

TERMINAL LEARNING OBJECTIVE

03 Describe the use of individual medical equipment components in accordance with CoTCCC Guidelines

- 09 Describe the use of a first aid kit in accordance with Service policy.
- 10 Identify the contents of an individual Joint First Aid Kit (JFAK), and/or other Service-specific first aid kits.
- 11 Describe the general maintenance and resupply procedures for trauma materials in a first aid kit in accordance with Service guidelines.
- 12 Identify the contents of a combat lifesaver kit, and/or other Service-specific first aid kits.
- 13 Describe the use of the components of a combat lifesaver kit in accordance with Service policy.

5 ENABLING LEARNING OBJECTIVES (ELOs)

● = Cognitive ELOs ● = Performance ELOs

MEDICAL EQUIPMENT

MEDICAL SUPPLIES

WHAT YOU WILL NEED TO PROVIDE AID AND SAVE A LIFE:

BUDDY AID

CLS Bag



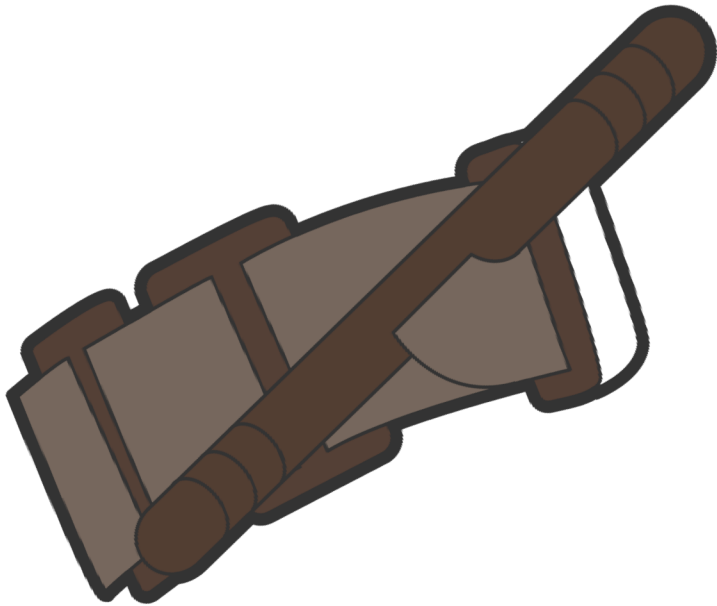
INDIVIDUAL

Joint First Aid Kit
(JFAK)



**BE FAMILIAR WITH YOUR INDIVIDUAL AND
SERVICE/UNIT-SPECIFIC MEDICAL EQUIPMENT!**

CONTENT OVERVIEW



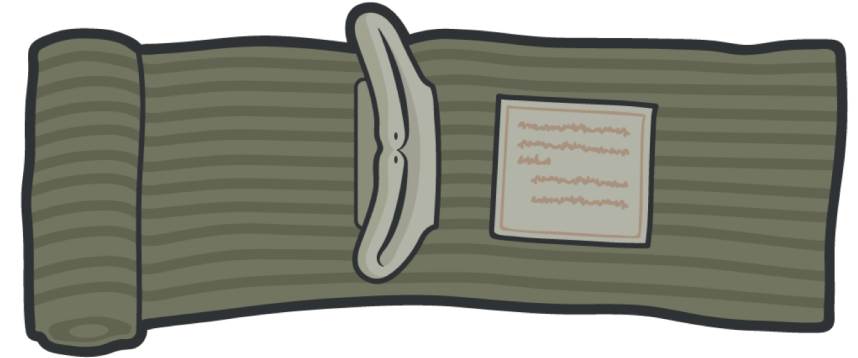
TOURNIQUET

A device to stop **massive** bleeding



HEMOSTATIC GAUZE

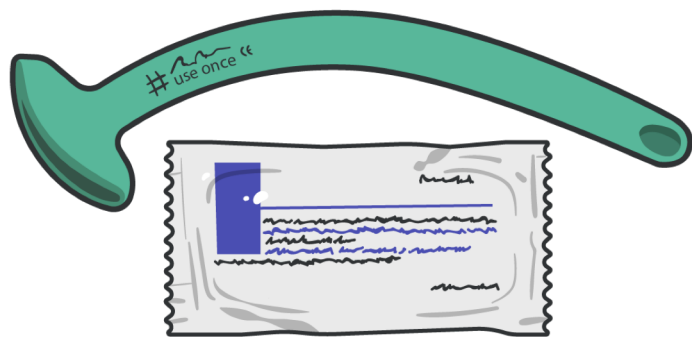
Gauze rolls used to stop **major life-threatening** bleeding



EMERGENCY BANDAGE/ TRAUMA DRESSING

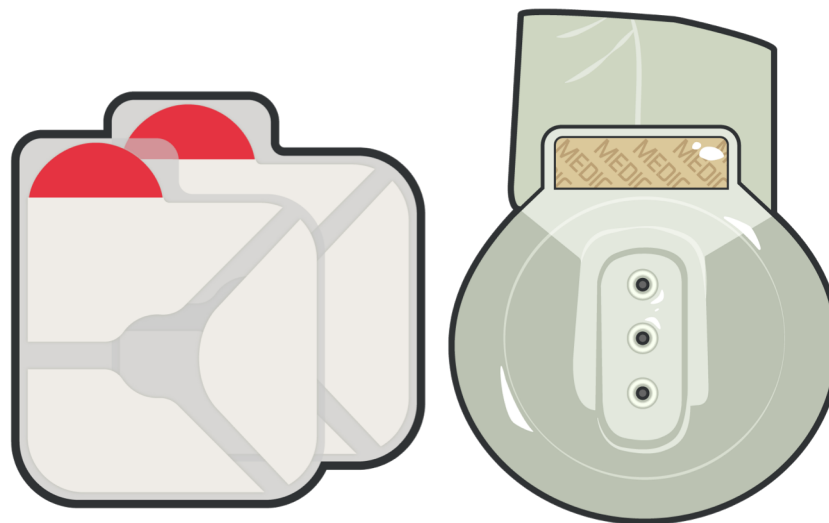
Elastic bandage used as a **pressure** dressing and/or **standard** dressing

CONTENT OVERVIEW



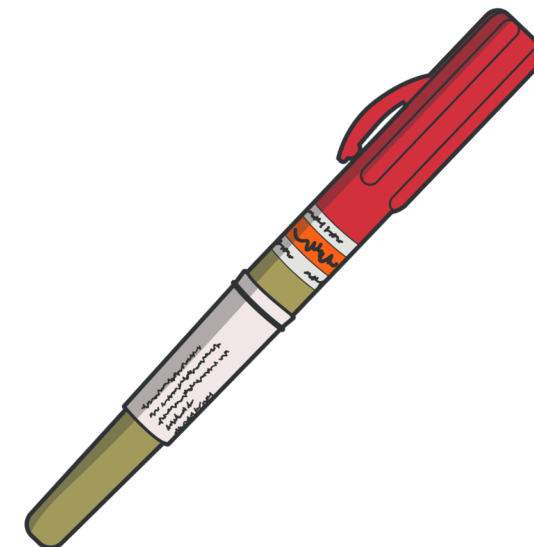
NASOPHARYNGEAL AIRWAY (NPA) WITH WATER-BASED LUBRICANT

Nonsterile, rubber tube-shaped device that can be **inserted into the casualty's nostril**



VENTED CHEST SEAL

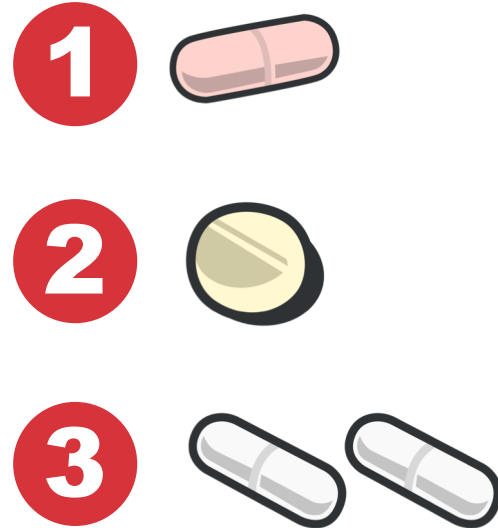
Vented and adhesive chest seal for treating **penetrating wounds** to the **chest**



NDC 10-14 GAUGE 3.25" NEEDLE CATHETER

Catheter-over-needle device that can be inserted into the casualty's chest to **treat tension pneumothorax**

CONTENT OVERVIEW

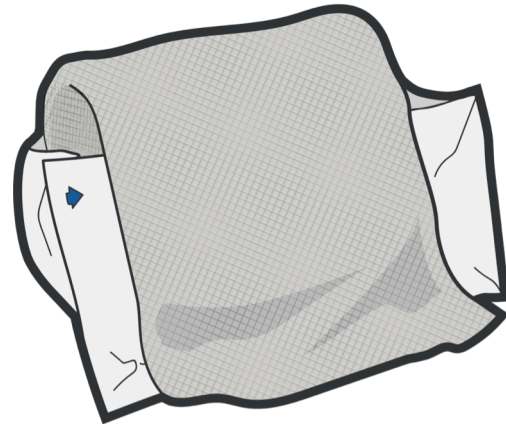


- 1 Moxifloxacin 400mg tablet
- 2 Meloxicam 15mg tablet
- 3 Acetaminophen x2 650mg

NOTE:

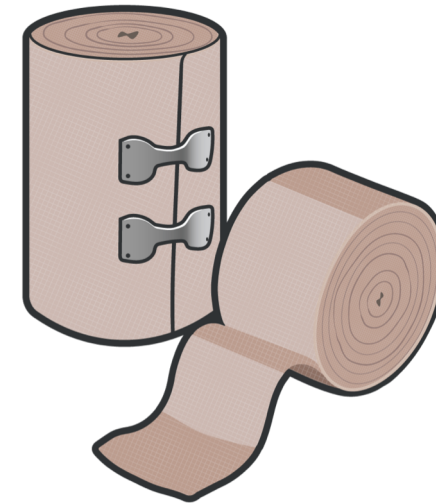
- Each of the three medications (in unit dosages) is contained in a **single blister pack**
- The Combat Wound Medication Pack (**CWMP**) should be used **ONLY** for traumatic injuries and **ALL** penetrating injuries.
- The **CWMP** may be procured through medical logistics systems or may be locally packaged by **medical personnel**

CONTENT OVERVIEW



GAUZE/PACKING DRESSING

Gauze rolls used to **stop minor bleeding** or as **bulky material** for packing wounds

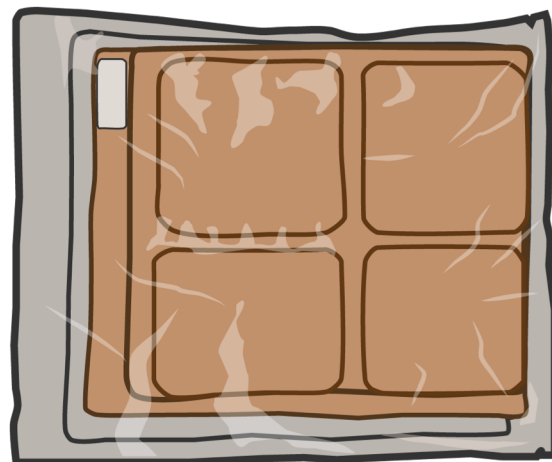


ELASTIC BANDAGE

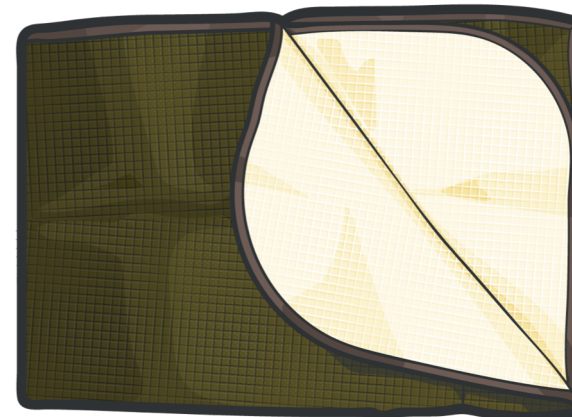
Stretchable bandage that **creates localized pressure** used for pressure dressings

CONTENT OVERVIEW

ACTIVE



PASSIVE



**ACTIVE/PASSIVE
HYPOTHERMIA BLANKET**
Used to prevent and manage
hypothermia



DOCUMENTATION

MILITARY ACUTE CONCUSSION EVALUATION (MACE2)

Used for identifying possible traumatic brain injury (TBI)

MACE 2

Military Acute Concussion Evaluation

Use MACE 2 as close to time of injury as possible.

Service Member Name: _____

DoDI/EDIPI/SSN: _____ Branch of Service & Unit: _____

Date of Injury: _____ Time of Injury: _____

Examiner: _____

Date of Evaluation: _____ Time of Evaluation: _____

Purpose: MACE 2 is a multimodal tool that assists providers in the assessment and diagnosis of concussion. The scoring, coding and steps to take after completion are found at the end of the MACE 2.

Timing: MACE 2 is most effective when used as close to the time of injury as possible. The MACE 2 may be repeated to evaluate recovery.

RED FLAGS

Evaluate for red flags in patients with Glasgow Coma Scale (GCS) 13-15.

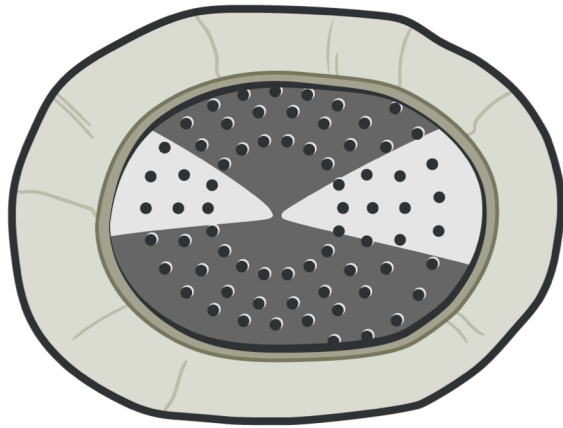
<ul style="list-style-type: none"> <input type="checkbox"/> Deteriorating level of consciousness <input type="checkbox"/> Double vision <input type="checkbox"/> Increased restlessness, combative or agitated behavior <input type="checkbox"/> Repeat vomiting 	<ul style="list-style-type: none"> <input type="checkbox"/> Results from a structural brain injury detection device (if available) <input type="checkbox"/> Seizures <input type="checkbox"/> Weakness or tingling in arms or legs <input type="checkbox"/> Severe or worsening headache
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Defer MACE 2 if any red flags are present. Immediately consult higher level of care and consider urgent evacuation according to evacuation precedence/Tactical Combat Casualty Care (TCCC).

- Negative for all red flags**
Continue MACE 2, and observe for red flags throughout evaluation.

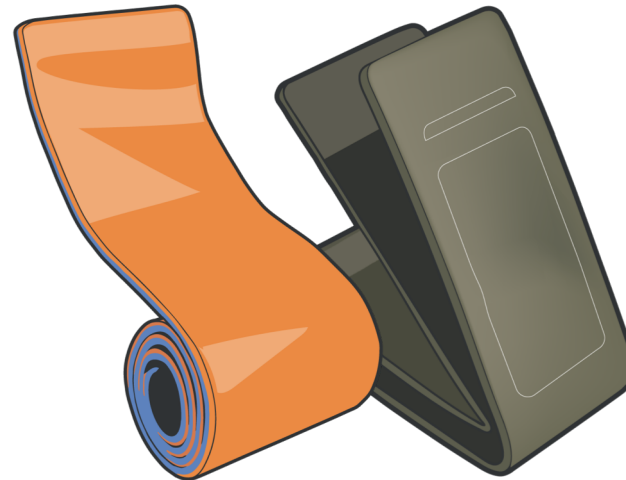
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CONTENT OVERVIEW



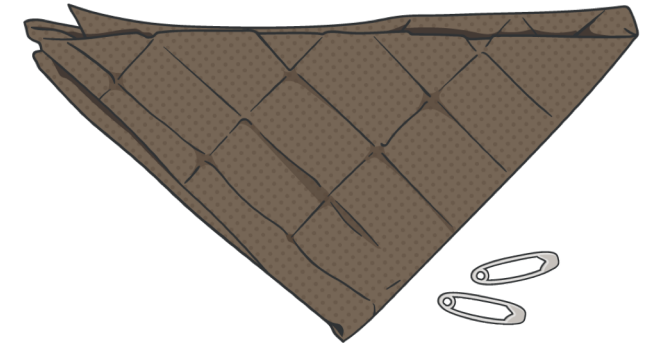
RIGID EYE SHIELD

A shield that provides a domed **protection** of **eye injuries WITHOUT** applying pressure



MALLEABLE SPLINTING

Semirigid material that can be formed to the injured limb to assist in immobilizing



CRAVATS

Used to assist in immobilizing the injured limb or protrusion

MEDICAL EQUIPMENT DOCUMENTATION

FRONT

BACK

9 LINE MEDEVAC REQUEST Worksheet	
LINE	EXPLANATION
1	LOCATION
2	CALL SIGN / FREQUENCY
3	# PXT BY PRECEDENCE
	A - URGENT (w/in 2 hrs)
	B - URGENT SURG (w/in 2 hrs)
	C - PRIORITY (w/in 4 hrs)
	D - ROUTINE (w/in 24 hrs)
4	SPECIAL EQPT
	A - NONE
	B - HOIST
	C - EXTRACTION EQPT
	D - VENTILATOR
5	# PXT BY TYPE
	1 - # - IIRPT
	A - # - Ambulatory
6	WARTIME (SECURITY OF PZ)
	N - NO ENEMY TROOPS
	P - POSSIBLE ENEMY
	E - ENEMY IN AREA, PROCEED WITH CAUTION
	K - ENEMY IN AREA, ARMED EFFORT REQUIRED
6	PEACE TIME (NUMBER & TYPE OF WOUNDED)
7	METHOD OF MARKING PZ
	A - PANELS (GGRT)
	B - PYROTECHNIC SIGNAL
	C - SMOKE SIGNAL
	D - NONE
	E - OTHER
8	PXT NATIONALITY AND STATUS
	A - US MILITARY
	B - US CIVILIAN
	C - NON-US MILITARY
	D - NON-US CIVILIAN
	E - EPW
9	WARTIME (NBC CONTAMINATION)
	N - NUCLEAR
	B - BIOLOGICAL
	C - CHEMICAL

TACTICAL COMBAT CASUALTY CARE (TCCC) CARD

BATTLE ROSTER #: _____

EVAC: Urgent Priority Routine

NAME (Last, First): _____ LAST 4: _____

GENDER: M F DATE (DD-MMM-YY): _____ TIME: _____

SERVICE: _____ UNIT: _____ ALLERGIES: _____

Mechanism of Injury: (X all that apply)

Artillery Blunt Burn Fall Grenade GSW IED

Landmine MVC RPG Other: _____

Injury: (Mark injuries with an X)

TQ: R Arm TYPE: _____ TIME: _____

TQ: L Arm TYPE: _____ TIME: _____

TQ: R Leg TYPE: _____ TIME: _____

TQ: L Leg TYPE: _____ TIME: _____

Signs & Symptoms: (Fill in the blank)

	Time			
Pulse (Rate & Location)				
Blood Pressure	/	/	/	/
Respiratory Rate				
Pulse Ox % O2 Sat				
AVPU				
Pain Scale (0-10)				

DD Form 1380, JUN 2014 TCCC CARD

BATTLE ROSTER #: _____

EVAC: Urgent Priority Routine

Treatments: (X all that apply, and fill in the blank) Type

C: TQ- Extremity Junctional Truncal _____

Dressing- Hemostatic Pressure Other _____

A: Intact NPA CRIC ET-Tube SGA _____

B: O2 Needle-D Chest-Tube Chest-Seal _____

C:

	Name	Volume	Route	Time
Fluid				
Blood Product				

MEDS:

	Name	Dose	Route	Time
Analgesic (e.g., Ketamine, Fentanyl, Morphine)				
Antibiotic (e.g., Moxifloxacin, Ertapenem)				
Other (e.g., TXA)				

OTHER: Combat-Pill-Pack Eye-Shield (R L) Splint

Hypothermia-Prevention Type: _____

NOTES:

FIRST RESPONDER

NAME (Last, First): _____ LAST 4: _____

DD Form 1380, JUN 2014 (Back) TCCC CARD

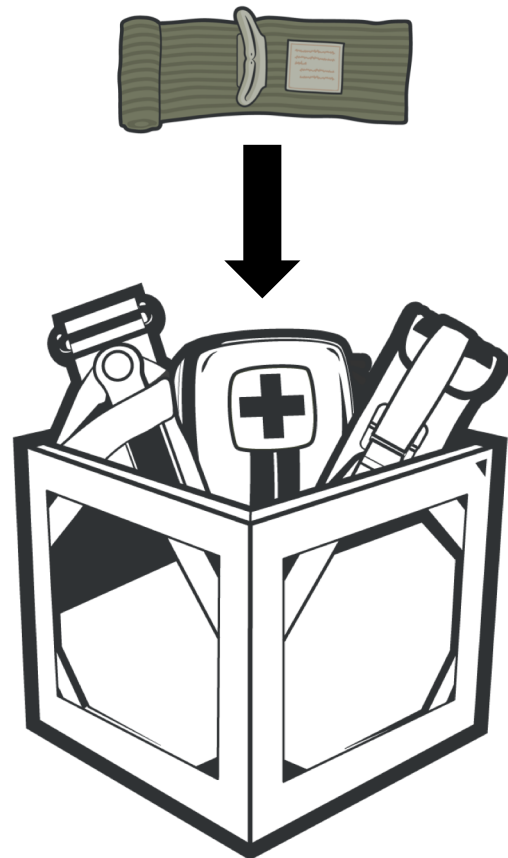
9-LINE

Call procedure that is divided into 9 lines of information for evacuation crews

DD Form 1380 TCCC CARD

DoD-approved standard for documenting ALL assessment and treatment provided to casualties before **evacuation** or handoff to **medical personnel**

MAINTENANCE AND RESUPPLY



REMEMBER:

Regularly inspect your **JFAK**, **CLS Bag**, and other service-specific medical kits:

- **BEFORE**
- **DURING**
- **AFTER**

ALL training events and missions

MAINTENANCE AND RESUPPLY

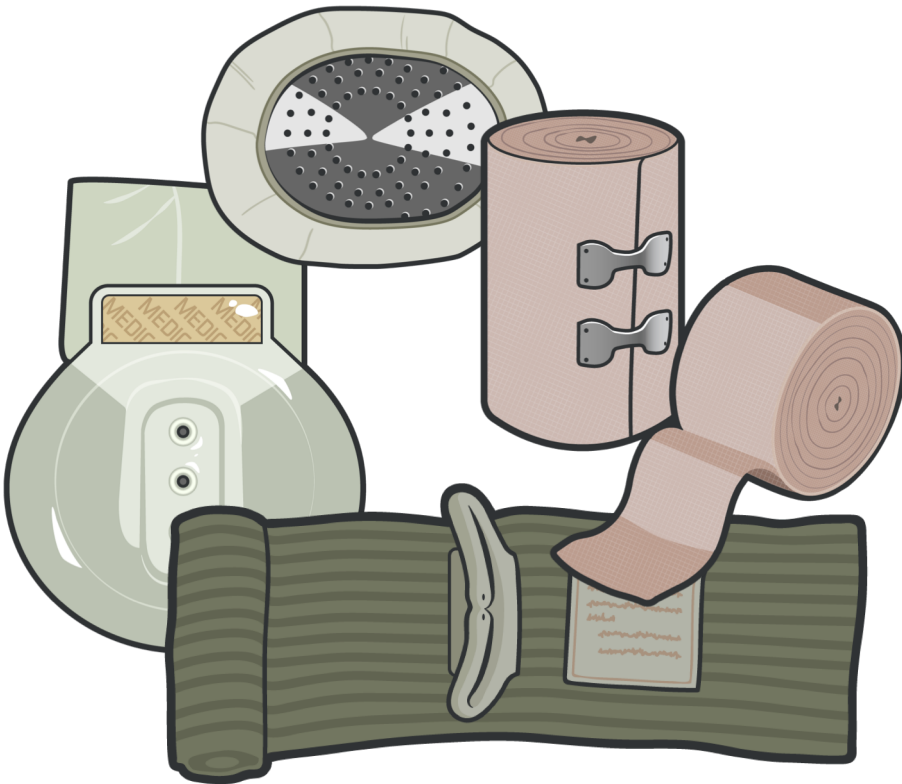
Check to be sure all equipment is in the kit

Check **seals** and **wrappers**

REPLACE items with **broken** or **unsealed** wrappers

Check **expiration** dates

REPLACE if **expired** or the expiration date **DOES NOT** exceed your expected deployment timeframe



BEWARE OF EQUIPMENT THAT IS NOT COTCCC APPROVED!

DO NOT DEPLOY WITH MISSING, PREVIOUSLY USED FOR TRAINING, OR EXPIRED EQUIPMENT

CLS KIT



Always use the **casualty's** JFAK first



CLS Kit

When supplies are exhausted from the casualty's JFAK, resort to using supplies from the CLS kit.

SKILL STATION

■ Familiarization with JFAK and CLS Kit

SUMMARY

BUDDY AID

CLS Bag



INDIVIDUAL

Joint First Aid Kit
(JFAK)



Familiarize yourself with the content of the CLS bag and JFAK.

Ensure you are aware of the resupply procedures and how to maintain your equipment.

Regularly inspect your JFAK, CLS Bag, and other Service-specific medical kits:

- **BEFORE**
- **DURING**
- **AFTER**

ALL training events and missions.

Be sure to use proper documentation when needed; MACE2, 9-Line, and DD Form 1380.

CHECK ON LEARNING

- **When providing “buddy aid,” should you use your JFAK or the casualty’s JFAK?**
- **What is the most important lifesaving item in the JFAK?**
- **When should medications and medical-grade equipment be replaced in the JFAK?**

ANY QUESTIONS?