



## Logistics



*At the end of this session participants will have a working knowledge of the logistical requirements of a Primary Receiving Center.*



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## Logistics



### Overview

- *Patient Staging Logistics*
- *Patient Support Logistics*



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## Logistics



### Patient Staging Logistics

- *Shelter*
- *Food*
- *Water*
- *Clothing*
- *Sanitation*
- *Waste Management*
- *Storage*
- *Communication*

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**Logistics**

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**Patient Support Logistics**

- **VA Team**
  - *Control Team members*
  - *VA Medical Center resources, i.e. staff, pharmaceuticals and medical supplies are available*
- **Community Team**
  - *Community Fire Department resources available*
  - *Community Fire or Emergency Management Services (EMS) triage daily*
  - *Community charity groups available to support feeding patients and staff at reception site*

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**Logistics**

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**Patient Support Logistics**

*Reception Team depends on number and type of patients. Team members may include:*

- *Team Coordinator*
- *Medical Triage Officer*
- *Trauma Physician*
- *Surgeon*
- *Nursing Staff*
- *Respiratory Therapist*
- *Chaplain*
- *Public Affairs Officer*
- *Litter bearers*
- *Patient Tracking*
- *Patient Registration*
- *Laborers*
- *Psychiatrist*
- *Psychologist*
- *Housekeepers*
- *Hospital police*
- *Pharmacist*

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**Logistics**

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**Patient Support Logistics: Medical and Non-Medical Supplies and Equipment**

- *Automated external defibrillator (AED)*
- *Bandages*
- *Blankets*
- *Blood Pressure devices*
- *Bags (body)/tags*
- *Catheter*
- *Disposable survival blankets*
- *Flash/pen lights*
- *Gauze*
- *"Hot & cold" packs*

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## Logistics



### Patient Support Logistics: Medical and Non-Medical Supplies and Equipment

- *Intravenous equipment*
- *Medical Tape*
- *Splints*
- *Syringe*
- *Tourniquet*
- *Tongue depressors*
- *Pharmaceuticals (may include controlled substances)*
- *Equipment, such as wheelchairs/litters*
- *You will need to have EMS standing by for those that need ventilator assistance, defib, etc*

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## Logistics



### Patient Staging: Shelter

- *Fixed or portable - Provides a controlled environment for patient reception activities*
- *Hangar Space*
- *Other fixed airport or airbase building*
- *Modular or Hybrid Buildings (Western Shelter type)*
- *Tent Sites*
- *Trailers*

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## Logistics



### Patient Staging: Food & Water

- *Portable Kitchen Facilities*
- *Volunteer Groups*
- *Donated Supplies*
- *Trucks, Trailers, Tents*
- *Utensils and Sanitation*
- *MREs*
- *Water-i.e. bottled, bulk*

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## Logistics



### Patient Staging: Clothing

- *Work Attire/Uniforms*
- *Foul Weather Gear*
- *Personal Protective Equipment (clothing, gloves, shoes)*
- *Protective Garments*
- *Gowns/Patient Clothing*
- *ICS Vests*

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## Logistics



### Patient Staging: Sanitation

- *Hand washing*
- *Hand Sanitizer*
- *Patient Care Items (soiled clothing, linens)*

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## Logistics



### Patient Staging: Waste Management

- *Medical Waste*
  - *Blood and Blood Products*
  - *Sharps*
  - *Isolation Waste*
  - *Pathologicals*
  - *Soiled Dressings*
- *Regular Waste*
- *Radiological Waste*

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## Logistics



### Patient Staging: Storage

- *Blood and Blood Products (refrigeration required)*
- *Litters (folding/backrest with straps)*
- *Medical Supplies*
- *Pharmaceuticals (may include controlled substances)*
- *Trailers*
- *Wheelchairs*

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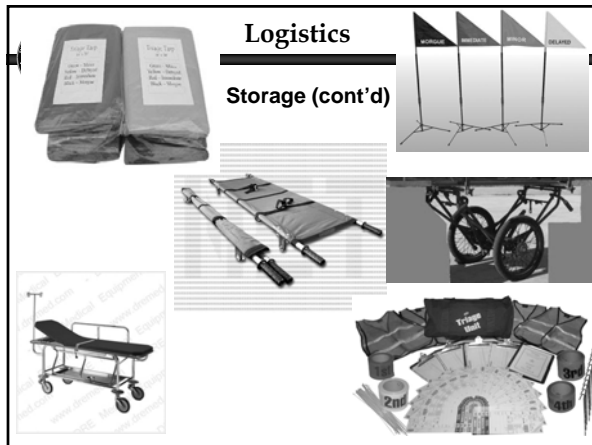
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## Logistics

### Storage (cont'd)

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## Logistics



### Communication

- *Hand held radios*
- *Bullhorns*
- *White board/chalk board*
- *Cell phones*
- *Wireless laptop computer (air cards)*



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**Logistics**

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**Communication**

- *E-mail/Internet*
- *Land lines (including fax)*
- *Satellite phones*
- *VSAT (Very Small Aperture Terminal)*
- *Amateur Radio*
- *Communication Go-Kits*



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**Logistics**

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**Non Medical Supplies and Equipment**

- *Triage supplies and mats*
- *Incident Command vests*
- *Job Action Sheets*
- *Tags and bags*
- *Office supplies and equipment*
- *Sanitation supplies and equipment*
- *Toilets (portable or fixed)*
- *Tents*
- *Trailers*
- *Lighting*
- *Other*

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**Logistics**

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**Ground Transport Management**

- *Base/Airport security coordination*
- *EMS/Ambulances/Air Ambulance/Ambus (civilian or military)*
- *Contracted Transport*
  - *Buses*
  - *Shuttles*
  - *Passenger vans*



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## Logistics



### Ground Transport Management

- *Ambulance crews*
- *Communication (with ambulance crews, treatment facilities, triage stations)*
- *Patient tracking equipment*
- *Signage*

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### Patient Movement Items



*After this session, participants should be able to give a brief definition of PMI, understand the value of exchange of in-kind equipment, be able to easily identify PMI equipment, and know who to call for asset return.*



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### Patient Movement Items



- *Medical equipment and supplies required to support the patient during evacuation*
- *The purpose of the PMI system is to support patients in-transit, to exchange in-kind PMIs without degrading medical capabilities, and to provide prompt recycling of PMIs*
- *The handling and return of equipment to the originating theater through the evacuation system is the responsibility of the logistics function*
- *The originating Medical Treatment Facility is responsible for notifying the Patient Movement Requirements Center if the patient needs any special medical equipment for transport*

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### Patient Movement Items



- *Documented Lessons Learned From Operation Desert Shield/ Storm*
  - *Supplement to AE System Assets*
  - *Global Tracking - Asset Visibility*

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### Patient Movement Items



- Program focuses on 16 standardized items
- Medical supplies and equipment required to support a patient during evacuation
- Key elements:
  - Inventory
  - Tracking
  - Recycle Assets
  - Biomedical Maintenance

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### Patient Movement Items



- EQUIPMENT
  - Defibrillator/Monitor Zoll
  - IV Controller- Alaris Medsystem III
  - Oxygen Analyzer- MINIOX 3000
  - Pulse Oximeter- BCI 3303
  - Stryker Frame- 965MO
  - Suction Impact- 326M
  - Ventilator- 754M
  - Vital Sign Monitor-Propaq 206EL
- DURABLE SUPPLIES
  - Blankets
  - Litters
  - Over Sized Litter
  - Litter Mattresses
  - Litter Straps
  - Litter Backrest
  - Spine Boards
  - IV Pole




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### Patient Movement Items



- Pulmonetics LTV 1000 Ventilator
- KCI Freedom Wound Vac Pump
- Patient Controlled Analgesic Pump (AmBit)
- Power Infuser
- Special Medical Evacuation Equipment Device (SMEED)

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### Patient Movement Items



#### Where?

- *Program operates throughout U.S., Pacific, Europe, and in support of GWOT*
- *Over 70 PMI tracking sites, 5 redundant data exchange hubs, and a web server*

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### Patient Movement Items



#### PMI Centers

- *Scott AFB, IL, AMC*
- *Travis AFB, CA, AMC*
- *Andrews AFB, MD, AFDW*
- *Yokota AB, JP, PACAF*
- *Ramstein AB, GE, USAFE*

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### Patient Movement Items



#### AOR Sites

- *PMI Theater Cell - As Sayliyah*
  - *PMI Joint Service Tracking Nodes*
    - *Army Sites:*
      - *Baghdad - Mosul - Tikrit - Tallil - Al Asad*
    - *Air Force Sites:*
      - *Balad - Biap - Kirkuk - Al Udeid - Bagram*
    - *Navy Sites:*
      - *Djibouti - Arifjan*

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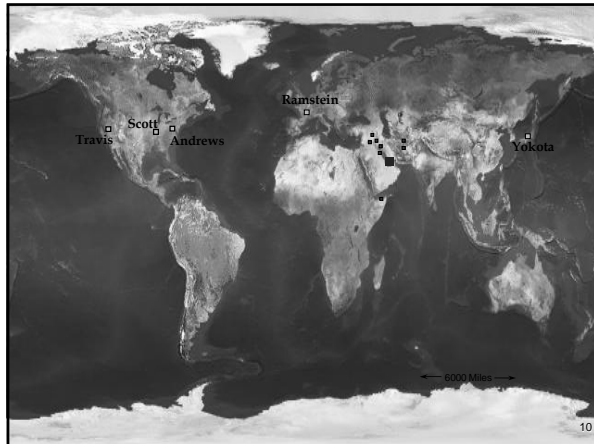
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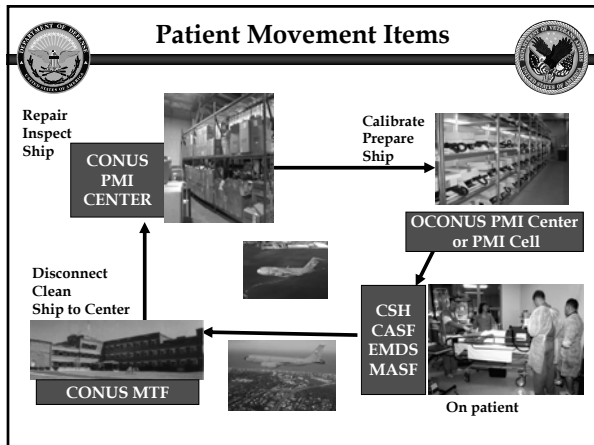
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- Patient Movement Items**
- *Added 1-800 number to PMI barcode label*
  - *Added oversized litters to PMI program inventory*

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## Patient Movement Items



### PMI PROGRAM MANAGEMENT TEAM

- HQ AMC/SGXL
- Lt Col Kurt Faubion - Chief, Readiness Logistics Branch
- Mr. Randy Rodgers - Deputy Chief, Readiness Logistics Branch/MEFPAK Manager
- Mr. Randy Gonsalves - Program Manager
- Mr. Daniel Zarazua - Asst. Program Manager
- Toll Free: 800-851-7542, then 229-6952
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## Patient Movement Items



*Questions or Comments?*

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