



Marcussen Emergency
Response Training

Marcussen Disaster First Aid

**Neighborhood Medical Response
June 2, 2022**

**Ellen Berryhill – Marcussen Drive Coordinator
Nancy Martin – Marcussen Drive Coordinator
Tom Prussing – Marcussen Drive CERT Instructor**



Checking for Injury or Illness in a Disaster



Put on protective gloves

Observe the scene, orient yourself, decide what do, act safely with focus

Initiate Triage

60 – 90 seconds per person

Head, torso, arms, lower back, abdomen, and legs

1. CHECK for responsiveness
2. IF NO RESPONSE, tag RED or BLACK
3. OPEN the airway
4. CHECK for breathing
5. Quickly SCAN for severe bleeding and broken bones
6. After tagging victim, move on to next victim
7. Radio in tagged victim statuses to EAP/ICP
8. ICP to call victim statuses into DISPATCH 9-1-1 via cell phone or Ham Radio

Red Tag

Yellow Tag

Green Tag

Black Tag

Immediate care needed

Delayed care required

Walking wounded

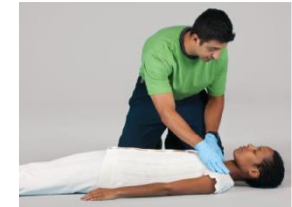
Deceased (Omega)



Neighborhood Disaster First Aid Treatment

1. CHECK for responsiveness

- Tap shoulder
- In a clear, calm, loud voice say, “Hello, I am (YOUR NAME). I am here to help you. What is your name?” (create a calm environment in the midst of chaos)
- “Are you OK? Do you hurt anywhere?.”
- Evaluate victim response or lack of response.



2. IF NO RESPONSE, CALL 9-1-1 or the local emergency number and SEND someone to get AED

- If an unconscious person is face-down, roll him or her face-up keeping the head, neck and back in a straight line.
- If the person responds, obtain consent and call 9-1-1 or local emergency number for any life-threatening conditions. Check the responsive person from head-to-toe and ask questions to find out what happened.



Neighborhood Field First Aid Treatment

3. OPEN the airway

- Tilt head; lift chin.

4. CHECK for breathing

- Check for no more than 10 seconds. Occasional gasps are not breathing.



5. Quickly SCAN for severe bleeding and broken bones

- If there is no breathing, perform CPR or use an AED if an AED is immediately available.
- If breathing, maintain an open airway and monitor breathing and for any changes in condition.

6. Notify 9-1-1 with Assessment information

7. Stabilize injuries for transport back to EAP/Medical Unit

8. Transport back to EAP/Medical Unit

9. Treat the medical issues at the EAP/Medical Unit

CPR

NO BREATHING



Marcussen Emergency
Response Training

GIVE 30 CHEST COMPRESSIONS

Push hard, push fast in the middle of the chest at least 2 inches deep and at a rate of at least 100 compressions per minute.

Person must be on a firm, flat surface.



GIVE 2 RESCUE BREATHS

Tilt the head back and lift the chin up.

Pinch the nose shut and make a complete seal over the mouth.

Blow in for about 1 second to make the chest clearly rise.

Give rescue breaths, one after another.

If chest does not rise with the initial rescue breath, re-tilt the head before giving a second breath.

If the second breath does not make the chest rise, the person may be choking. After each subsequent set of chest compressions and before attempting breaths, look for an object and, if seen, remove it.

Continue CPR.





CPR NO BREATHING

DO NOT STOP

Continue cycles of CPR. Do not stop unless you find an obvious sign of life (such as breathing), an AED is ready to use, another trained responder or EMS personnel take over, you are too exhausted to continue, or the scene becomes unsafe.

Use an AED as soon as one is available.

If at any time you notice an obvious sign of life, stop CPR and monitor breathing and for any changes in condition.



Conscious Choking

Cannot Cough, Speak or Breathe

1. Give five (5) back blows

Bend the person forward at the waist and give 5 back blows between the shoulder blades with the heel of one hand.

2. Give five (5) abdominal thrusts

Place a fist with the thumb side against the middle of the person's abdomen, just above the navel. Cover your fist with the other hand. Give 5 quick, upward abdominal thrusts.

3. Continue Care

Give sets of five (5) back blows and five (5) abdominal thrusts until the object is forced out, the person can cough forcefully or breathe, or the person becomes unconscious.

If the person becomes unconscious, give care for an unconscious choking adult by performing CPR.





Controlling External Bleeding



Put on protective gloves

COVER THE WOUND WITH A STERILE DRESSING

Apply direct pressure until bleeding stops

COVER THE DRESSING WITH A BANDAGE

Check for circulation (feeling, warmth and color) beyond the injury.

IF BLEEDING DOES NOT STOP, CALL 9-1-1 AND APPLY MORE PRESSURE

Add more dressings and bandages and apply additional pressure. Take steps to minimize shock.

APPLY TOURNIQUET FOR UNCONTROLLABLE ARTERIAL BLEEDING

Wash hands with soap and water after giving care.



Burns



Put on protective gloves



Marcussen Emergency
Response Training

REMOVE PERSON FROM SOURCE OF BURN

COOL THE BURN

Cool the burn with cool running water at least until pain is relieved.



COVER LOOSELY WITH STERILE DRESSING

If the burn is SEVERE, Call 9-1-1

CARE FOR SHOCK





CARE FOR SHOCK



Put on protective gloves

Signs of Shock

Low blood pressure

Altered mental state, including reduced alertness and awareness, confusion, and sleepiness

Cold, moist skin. Hands and feet may be blue or pale

Weak or rapid pulse

Rapid breathing and hyperventilation

Decreased urine output

Treatment for Shock

Lay the person down with feet slightly elevated

Treat obvious Injuries

Keep person warm and comfortable

Monitor and hydrate

Begin CPR, if necessary



Marcussen Disaster Medical Operations

Nearest Hospital for Marcussen Drive Residents

| | | |
|------------------------------|-----------------|-----------|
| Menlo Clinic * | 321 Middlefield | .7 miles |
| Dignity Health Medical Group | 695 Oak Grove | .8 miles |
| Menlo Clinic* | 1300 Crane | 1.5 miles |
| Stanford Hospital | Stanford Campus | 2.5 miles |

Stanford Hospital will close to injured community residents between 35 minutes and 45 minutes after a major area-wide disaster.

WILL YOU BE ABLE TO GET THERE FROM MARCUSSEN DRIVE?

* Stanford Health Care Alliance



Marcussen Disaster Medical Operations

Medical Operations Staffing

Medical Operations Supervisor

Medical Radio/Scribe

Doctors, EMTs, nurses, advance/disaster first aid trained staff

Intake/Triage Area Coordinator with Volunteer Assistants

Treatment Area Coordinator with Volunteer Assistants

Recovery Area Coordinator with Volunteer Assistants

Extended (Terminal) Care Area Coordinator with Volunteer Assistants

Morgue Operations Coordinator with Volunteer Assistants

Field triage/transport teams

Three (3) teams of six (6) each



Marcussen Disaster Medical Operations

Medical Unit Communications

Medical Radio/Scribe monitors field triage/transport team communications
Communications informs Medical Radio/Scribe of triage/transport teams' deployment

Medical Radio/Scribe informs Communications of medical status of triage/transport teams return to Medical Operations

Medical Intake Coordinator directs incoming triage/transport teams

Medical Intake Coordinator releases triage/transport teams to Medical Operations Supervisor for redeployment

Medical Radio/Scribe informs Communications triage/transport teams' release

Medical Radio/Scribe informs Communications of medical status

Medical staff brief and offer field assistance to incoming triage/transport Teams



Marcussen Disaster Medical Operations

Medical Operations Setup

Medical field operations setup checklist

Medical field operations checklist

Medical field operations takedown checklist

Status board and general status forms

Individual patient status forms

 Magnet/clothespin system

Medical operations staff charts/forms

Medical operations tent

Triage tarp area (canopy)

Treatment area (canopy)

Recovery area (canopy)

Extended Care area (canopy)

Morgue operations (canopy)



Marcussen Disaster Medical Operations

Medical Field Operations Flow

Incident Commander (IC) takes care of himself/herself first in a disaster

IC takes care of his/her family second

IC organizes Neighborhood EAP/ICP (Emergency Assembly Point/Incident

Command Post) with SCRIBE

EAP/ICP communications are directed to the ICP

IC directs a Communications Unit setup

IC directs a Logistics Unit setup

IC directs an Operations Unit setup

Operations Unit establishes and deploys Recon (Rapid Assessment) Teams to

gather neighborhood field conditions information



Marcussen Disaster Medical Operations

Operations directs **Medical Unit** to set up its **Operations**

Prepares a neighborhood First Aid Station and Medical Operations

Staff area

Intake Triage Area (colored tarps or signage)

Treatment Area

Recovery Area

Terminal Injury Area

Morgue

Black Tag (Omega) Victims

**Unit is staffed by a minimum of three individuals to as many volunteers
who wish to assist**

Medical Unit Supervisor with Staff

Scribe/Radio Operator

Records unit activity

**Transmits Medical Unit status periodically via FRS to IC via the
Communications Unit and ultimately to the ICP**



Marcussen Disaster Medical Operations

Intake/Triage Area Coordinator with Volunteer Assistants

Red Tarp (Immediate), Yellow Tarp (Delayed), Green Tarp (Minor)

Patient tracking documentation is begun

Treatment Area Coordinator with Volunteer Assistants

Patient tracking documentation stays with patient

Red Tarp Area (Immediate and Critical) Red Tag Victims

Yellow Tarp Area (Delayed but Severe) Yellow Tag Victims

Green Tarp Area (Minor)

Green Tag Victims

Recovery Area Coordinator with Volunteer Assistants

Patient tracking documentation stays with patient

Without available professional medical services, understand that after the first 24 hours, every 24 hours thereafter victims have an upgraded injury severity

Yellow to Red

Red to Blue

Blue to Black



Marcussen Disaster Medical Operations

Setup Separate Areas

Blue Tarp Area (Extended Care)

Coordinator with Volunteer Assistants

Patient tracking documentation stays with patient

Compassionate comfort care as best as possible for those who are dying
and when transport to official medical care units is not available

Black Tarp Area (Deceased)

Coordinator with Volunteer Assistants

Patient tracking documentation stays with patient

Patient essential information taken

Religious belief and personal contacts

Respectful and secure care for our deceased neighbors



Marcussen Disaster Medical Operations

Send out field teams to perform triage, immediate treatment, and transport of neighbors to EAP for further care

Helmets, surgical gloves under work gloves, goggles, headlamp, tools, stretcher, first aid supplies, radios

Field teams of six persons

Team Leader w/Radio, Medical Assistance (2), Support (3)

Accept wounded brought in by neighbors not on Triage-Transport Teams

Perform extended medical treatment as able for as long as needed

Transport patients from the EAP to ICP or official medical care units for extended care, if possible



Marcussen Disaster Medical Operations

First Aid Components

Injury treatment (be prepared to improvise)

Medical supplies

Medication monitoring (allergy, antidepressants, diabetes, heart, other

Conditions)

Psychological response

Documentation

FRS radios

Triage-Transport Team supplies

Documentation and Forms Kit

Medical field team reporting document 214

Medical Activity Log HCS 214

Medical unit patient accounting document

Medical patient assessment (male)

Medical patient assessment (female)

Blank paper , pencils and pens (be prepared to improvise)



Marcussen Disaster Medical Operations

Medical Supplies and Equipment

Triage tarps or signage (Green, Yellow, Red, Blue, Black)

Clothesline and clothespins

Marking pens (green, yellow, red, blue, black)

Headlamps

Stretcher(s)

(2) Canopies and a tent (if possible)

Table and two (2) chairs

FRS radios, Ham radio

Field medical Kits

Surgical kit

Boost Oxygen, QuikClot, Water

All sizes of bandages

Cardboard for splinting

Emergency blankets and ponchos

Food and Water for Staff

Food and Water for Injured



Marcussen Disaster Medical Operations

How do you provision a medical station?

Central neighborhood cache

DRC if your EAP has one (EAP then becomes an Area ICP)

Personal medical cache

Preassigned cache materials and contents among neighbors

Duplicate resources among neighbors' caches

First Aid Station staff sustain themselves out of their Bug Out Bags

Publications

Where There is No Doctor

Where There is No Dentist

The Ultimate Survival Medicine Guide



Marcussen Emergency
Response Training

Marcussen Disaster Medical Operations

Handouts emailed to you:

Marcussen Disaster First Aid.ppt

MERT Med Ops Outline

MERT Disaster ICP Layout

MERT Med Assessment Silhouette (Male)

MERT Med Assessment Silhouette (Female)

MERT Med Unit Log

MERT Med Patient Tracking

Med Med-Recon Instructions

Red Cross First Aid Participants Manual

Red Cross Reference Card

Additional Questions?



Reminders

- Take care of yourself, your family, your neighborhood response team, and your neighborhood
- Stay hydrated throughout your disaster response time
- Watch for low blood sugar, exhaustion, stress
- Check in regularly with your family
- Relief cycles, transition meetings between shifts
- Hydrate, eat, rest while off-shift
- Remain alert at all times, even when tired

Wrap-Up

- Thank you for participating!
- Handouts are online:
www.getreadyatherton.org/resource-library
- Sign up for emergency alerts:
www.smcalert.org
www.zonehaven.org
- Next Session – July 7, 2022 at 6 PM



Marcussen Emergency
Response Training

A screenshot of a web browser displaying the 'Resource Library' page of the A.D.A.P.T. website. The browser's address bar shows 'www.getreadyatherton.org/resource-library'. The page features a navigation menu with links for Home, About, Prepare, Respond, Contribute, Events, Volunteer, and News. A 'smile.amazon.com' button is visible in the top right. The main content area is titled 'Resource Library' and includes a welcome message: 'Welcome to the A.D.A.P.T. Resource Library, your one-stop-shop for meeting handouts, how-to videos, and other valuable emergency preparedness materials.' Below this, there is a section for 'Emergency Response' with two featured items: 'Personal and Family Disaster Response' and 'Disaster Camping Basics', each accompanied by a thumbnail image of a document.