

MN-1 Disaster Medical Assistance Team

2017 Hurricane Season MN-1DMAT Deployments

MN-1 Disaster Medical Assistance Team

NDMS mission

- The mission of NDMS is to support state, local, tribal and territorial authorities following disasters and emergencies by supplementing health and medical systems and response capabilities. NDMS would also support the military and VA health care systems in caring for combat casualties, should requirements exceed their capacity.

MN-1 Disaster Medical Assistance Team

NDMS response types

- Patient reception
- Patient movement
- Field triage and field care at national special security events (NSSE) and natural or man-made disasters

MN-1 Disaster Medical Assistance Team

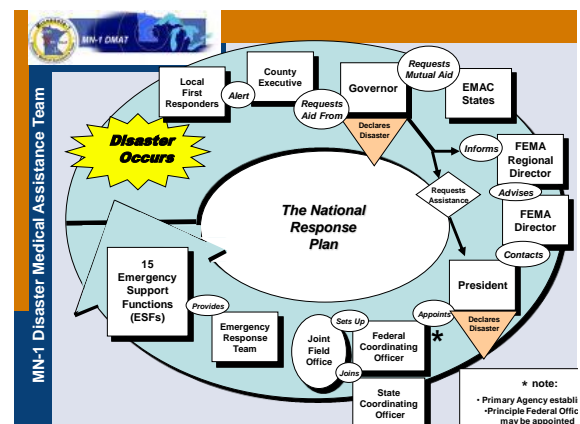
NDMS in government

- HHS** – Health and Human Services (Alex Azar)
- ASPR** – Assistant Secretary for Preparedness Response (Dr. Kadlec)
- OEM** – Office of Emergency Management (Don Boyce)
- NDMS** – National Disaster Medical Team (Ron Miller)

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NDMS team types

- DMAT– Disaster Medical Assistance Team
- TCCT- Trauma and Critical Care Team
- DMORT – Disaster Mortuary Team
- NVRT – Disaster Veterinary Team



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MN-1DMAT Missions
8/25/17-11/14/17

Hurricane Harvey Response
❖ Houston, Texas: GRB Convention Center Shelter

Hurricane Irma
❖ Tampa, Florida: Shelter operations
❖ US Virgin Islands: Patient transport

Hurricane Maria
❖ San Juan, Puerto Rico: Centro Medico Hospital ED Decompression
❖ San Juan, Puerto Rico: Pier III/USNS Comfort
❖ Ponce, Puerto Rico: FMS/Outreach
❖ Aguadilla, Puerto Rico: Field Medical Treatment
❖ Manati, Puerto Rico: FMS/Field Medical Treatment Center
❖ Bayamon, Puerto Rico: FMS shelter

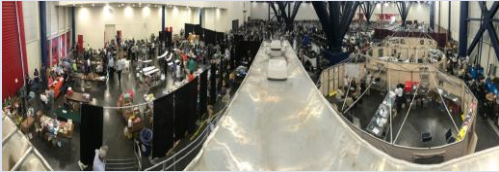
MN-1 Disaster Medical Assistance Team

Hurricane Harvey
MN-1/NC-1 DMAT
GRB Convention Center




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**George R. Brown Center
Hall E**



MN-1 Disaster Medical Assistance Team

One of four halls sheltering 11,000 residents.




MN-1 Disaster Medical Assistance Team

Base of Operation(BoO)



MN-1 Disaster Medical Assistance Team


Federal Medical Station

- 250 bed capacity
- Administered by USPHS/DMAT
- Medical care for stable patients whose needs are greater than what can be provided for in the general shelter.



MN-1 Disaster Medical Assistance Team

Team members at work



The first photo shows a team member sitting at a desk in a tent, working on a laptop. The second photo shows a team member from behind, wearing a white shirt with 'MN-1 DMAT' printed on the back. The third photo shows a group of team members standing in a tent, with a sign that reads 'PUBLIC HEALTH CRISIS NOW GRIPPING DISASTER ZONE'.

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Patient triage visits

RAPID ENCOUNTERS:

- Medication refills
- Blood pressure checks
- Blood sugar checks
- Minor injuries and illness
- Scabies/lice



The photo shows a large tent with many people and medical equipment, likely a patient triage area.

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Patient tent visits

MODERATE ACUITY VISITS

Respiratory:

- COPD exacerbations
- Asthma
- URIs

Trauma

- Lacerations
- Contusions
- Fractures
- Wound infections

Chronic illness

- Cardiac
- Renal

Mental health

- Drug overdoses
- Kush




The photo shows a team member using a laptop on a mobile cart in a tent.

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Patient transfers Houston EMS

SEVERE ACUITY


- Cardiac
- Stroke
- Severe trauma
- Severe overdose
- Emergent dialysis



The photo shows a large tent with many people and medical equipment, likely a patient transfer area.

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Dialysis Patients



The photo shows a dialysis patient sitting in a chair in a tent. A sign on the chair reads 'Dialysis'.

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Mental Health



The photo shows a mental health visit in a tent with a person sitting at a table.



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Shift change briefings
0700-1900



MN-1 Disaster Medical Assistance Team

Dr. Kadlec touring DMAT
BoO and PHS/FMS

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MN-1/NC-1



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Hurricane Irma

USVI Patient Evacuations
Tampa Shelter

USVI shelter and care
Naples Shelter
Key West shelter and care

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Hurricanes Maria
Mission sites



X MN-1 Missions
X NDMS Missions

MN-1 Disaster Medical Assistance Team

San Juan, PR
Centro Medico Hospital
ED Decompression/Workforce Protection



MN-1 Disaster Medical Assistance Team

San Juan, PR
Centro Medicao Hospital



Triage



Treatment tents

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San Juan, PR
Centro Medicao Hospital




MN-1 Disaster Medical Assistance Team

Centro Medico ED
decompression

Minor trauma – fractures, dislocations, contusions, CHI

Medical illnesses – URIs, asthma, DM, chronic disease

Triage to other facilities on campus

Force protection for FEMA, HHS, DoD employees.

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San Juan, PR
Centro Medicao Hospital

Power failure contingency plan for hospital.




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Aguadilla, PR
Field Hospital





MN-1 Disaster Medical Assistance Team

Aguadilla, PR

<https://www.dvidshub.net/video/563258/dm-at-team-1-minnesota-provides-medical-care-aguadilla-puerto-rico#>

MN-1 Disaster Medical Assistance Team

Aguadilla Mission

- Aguadilla Hospital serving 300,000 people is closed due to damage by Hurricane Maria.
- All patients requiring treatment are brought to the Aguadilla Field Hospital treating 100-150 patients per day.
- Acuity ranges from mild to severe, including cardiac and respiratory arrests, severe burns, and animal bites.
- Patients requiring hospitalization are stabilized and transported to Mayaguez Hospital 20 miles away.
- Care provided by DMAT, 335th ASMC (Army Medical), and Air Force Medical team.

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Ponce, PR FMS/Field Medical Treatment/Outreach




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Ponce FMS USPHS/DMAT



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Ponce Outreach

- 50-60 Patients seen per day in surrounding communities.
- Medical screening exams and medication refills.
- Assess patients for potential shelter admission, hospitalization, and transport to US for surgical needs.



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Manati, PR FMS/Field Medical Treatment





MN-1 Disaster Medical Assistance Team

Manati, PR FMS DMAT/VA/

- Electrically dependent
 - 6 vents
 - 17 oxygen concentrators
 - 3-9 CPAP nights only
- Hospice patients.
- Patients d/c'd from the hospital with no home.
- Family caregivers.
- Nursing home patients, where NH non-functional.



Manati
Field Medical Treatment
DMAT, 285th ASMC (Army Medical),
NY EMAC

150-200 patients daily.
Acuity mild to severe.
Transport to area hospitals.



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Manati, PR
FMS/Field Medical Treatment



Positive Thoughts



Dignity Walk

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USNS Comfort



MN-1 Disaster Medical Assistance Team

USNS Comfort




MN-1 Disaster Medical Assistance Team

Pier III




MN-1 Disaster Medical Assistance Team

Pier III



Patient care



Pharmacy

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Lessons learned
Comparing deployments
PR deployment most challenging

- Worst and last storm
- Isolated location
- Poor infrastructure
- Prolonged loss of electric, water
- Language barrier
- Training and coordination

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Questions???



MN-1 Disaster Medical Assistance Team

The End



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