



Michigan Department of Health and Human Services (MDHHS) Bureau of EMS, Trauma & Preparedness (BETP)

Division of Emergency Preparedness and Response
Division of EMS and Trauma

Serves to better protect the health and well-being of Michigan residents through the administration and continuous improvement of the emergency medical services and trauma system, in coordination with all-hazards preparedness planning and response.

PREPARED FOR EMERGENCIES



The Community Health Emergency Coordination Center (CHECC) coordinates the public health and healthcare response to incidents by providing real-time public health information, subject matter expertise, and strategic countermeasure distribution while coordinating with local and regional partners. The Bureau of EMS, Trauma and Preparedness plans for and responds to public health emergencies and disasters and coordinates CHECC activities for exercises or real-life incidents.

DIVISION OF EMERGENCY PREPAREDNESS AND RESPONSE (DEPR)

Protecting the health of Michigan citizens before, during, and after emergencies by integrating public health and medical preparedness initiatives and leveraging diverse partnerships.



Michigan must be ready to respond to public health and medical threats to protect the life and safety of residents. DEPR plans, partners, and maintains tools to respond to any incident.



Michigan Health Alert Network | Rapid notification to public health, hospitals, life support agencies, health clinics, long-term care facilities emergency management, state departments, and federal agencies.
www.michiganhan.org



MI-Volunteer Registry | Pre-registered, verified, and credentialed emergency medical services personnel and support volunteers are ready to serve in emergencies.
www.mivolunteerregistry.org



Michigan Prepares | Free, easy to use tool helps Michigan citizens create a basic emergency plan on their smartphone or tablet.
www.michigan.gov/michiganprepares



EMResource | Responders access real-time status of hospital, dialysis and long-term care bed capacity, and ventilator availability through this online platform. Adaptable to collect other information to support response.



MI-TRAIN | More than 10,000 online courses for public health and healthcare emergency preparedness learning.
www.train.org/mi-train



EMTrack | Secure patient tracking from the patient care is initiated through discharge during incidents and planned events.



Michigan Public Safety Communication System | Statewide system for emergency responders, healthcare, health departments, and tribes.
www.michigan.gov/mpscs



Electronic Incident Command System | Healthcare incident management tool to notify, track, and manage the response to an incident.



REGIONAL MEDICAL SURGE PLANNING

Expanding medical services to handle large incidents through innovative partnerships to prepare Michigan's hospitals, supported by their coalitions, to surge to 20 percent above their capacity.

Michigan Transportable Emergency Surge Assistance (MITESA) Medical Unit | All-weather mobile field unit ready to deploy where infrastructure has been disrupted or to assist with a medical-surge emergency. Staffed by medical and non-medical volunteers, the unit is expandable with the capacity to accommodate up to 140 beds.

Michigan Mortuary Response Team (MI-MORT) | Specialized team of volunteers ready to deploy to the scene of an incident at request of the local Medical Examiner if mass fatalities exceed local and regional resources.

Disaster Portable Morgue Unit (DPMU) | Deployable equipment and supplies necessary to stand up a morgue inside of an existing structure.

Great Lakes Healthcare Partnership (GLHP) | Consortium of healthcare and public health preparedness program staff within HHS Region V (City of Chicago, Illinois, Indiana, Michigan, Minnesota, Ohio, and Wisconsin). The GLHP develops, maintains, and exercises operational plans for interstate communications, burn surge, pediatric surge, and an interstate medical equipment resource typing and inventory initiative.

EMERGENCY MEDICAL COUNTERMEASURE COORDINATION

Mobilizing life-saving medication and supplies to the right place in the right amount of time.

Michigan Emergency Drug Delivery Resource Utilization Network (MEDDRUN)

Medications and medical supplies pre-positioned at air and ground Emergency Medical Services (EMS) agencies for rapid deployment.

100% of Michigan can receive materiel within 1 hour of request.

CHEMPACK

Pre-positioned nerve agent antidotes and pharmaceuticals supplied by the Centers for Disease Control and Prevention and managed by the state.

Readily available when local and regional supplies are depleted.

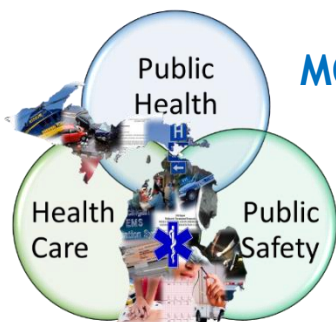
Strategic National Stockpile (SNS)

Through collaboration with state and local response partners, federally supplied medication and supplies to deploy to the scene of a large-scale public health emergency.

Ready to deploy when requested by the state.

DIVISION OF EMS AND TRAUMA (DET)

Mission: To support the Michigan EMS System in protecting the public health and providing safe and effective patient care.



MORE THAN JUST EMERGENCY RESPONSE

The EMS and Trauma system makes significant contributions to the health of community and individuals. The National Highway Safety Traffic Administration describes EMS as the point where healthcare, public health, and public safety intersect. DET staff are responsible for statutory oversight of the EMS system including licensing EMS agencies, vehicles and providers, approval of all EMS education programs, Medical Control Authority functions, and development of State EMS

Protocols. In addition, there are programmatic components such as EMS for Children, Development of Community Integrated Paramedicine and ensuring that patients are transported to the right facility in the right amount of time through development of emerging systems of care for time sensitive emergencies such as strokes.

The Trauma Section is responsible for development and implementation of a formalized system of care for trauma victims including:

- * Designation of trauma centers
- * Coordination of regional efforts to support:
 - Infrastructure
 - Quality improvement
 - Education
 - Injury Prevention

The overall goal of an effective trauma system is to reduce the incidence and severity of injury and improve health outcomes for those who are injured.

Since development of a formalized trauma system, **trauma mortality decreased from 4.4% in 2013 to 2.7% in 2018.**

Michigan Trauma Quality Improvement Project.
(July 2018). State of Michigan Trauma System
Report Statistical Summary.

REGIONAL APPROACH TO TRAUMA

Michigan has taken a regional approach to trauma system development utilizing the eight emergency preparedness regions. Statutorily required components of the structure include:

Regional Trauma Network (RTN)

The RTN is an organized group of local Medical Control Authorities (MCA). The RTN is responsible for appointing a Regional Trauma Advisory Council (RTAC), a Regional Professional Standards Review Organization (RPSRO), and creating a regional trauma plan.

Regional Trauma Advisory Committee (RTAC)

A committee established by the RTN and comprised of MCA personnel, EMS personnel, life support agency representatives, healthcare facilities representatives, physicians, nurses, and consumers. The functions of the RTAC are to provide leadership and direction on matters related to trauma system development in their region, including, but not limited to, the review of trauma deaths and preventable complications.

Regional Professional Standards Review Organization (RPSO)

A committee established by the RTN for the purpose of improving the quality of trauma care within the trauma region.



EMS & TRAUMA SYSTEM QUICK FACTS

The EMS and Trauma System consists of:

- * 128 hospitals in Michigan that have opted to participate in the Trauma System through the verification and designation process.
- * Designation is a status conferred on trauma facilities that have been verified by either the American College of Surgeons-Committee on Trauma or by DET.
- * 820 licensed Life Support Agencies operating 3,838 licensed vehicles.
- * Approximately 28,000 licensed EMS Providers including:
 - Medical First Responders (MFR)
 - Emergency Medical Technicians (EMT)
 - Advanced Emergency Medical Technicians (AEMT)/Specialists
 - Paramedics
 - Instructor Coordinators
- * 59 Medical Control Authorities.
- * All EMS education programs.

Emergency Medical Services for Children | Improving the care of children through collaboration with stakeholders and subject matter experts across the continuum of care.

Michigan Emergency Medical Services Information System (MI EMSIS) | All EMS agencies are required to submit data which is used for public health surveillance, informing EMS protocols, and improving patient care and outcomes.

Michigan Trauma Registry | Hospitals submit data using the National Trauma Data Standard.

The complex components of an organized and effective EMS System require a great deal of subject matter expert engagement and advice. In 2017 the engagement of partners equated to over a quarter of a million dollars of volunteer time and efforts.

1,098 subject matter experts
10,236 hours of volunteered time
Engagement valued at **\$255,900**

EMS Addresses Public Health Initiatives

- Community Integrated Paramedicine
- Development of Systems of Care for Time Sensitive Emergencies: Stroke and ST Elevation Myocardial Infarction
- Infant Safe Sleep
- Injury Prevention Initiatives
- The Opioid Crisis

RESOURCES:

Bureau of EMS, Trauma & Preparedness

Michigan.gov/BETP

Division of Emergency Preparedness and Response

Michigan.gov/DEPR

Division of EMS and Trauma

EMS: Michigan.gov/EMS

Trauma: Michigan.gov/TraumaSystem



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