

# Michigan Emergency Drug Delivery Resource Utilization Network

## Overview

The Michigan Emergency Drug Delivery and Resource Utilization Network (MEDDRUN) is a state asset of strategically pre-positioned nerve agents/organophosphate antidotes that may be used in the early stages of an incident, 1 hour or less, where the healthcare system would most likely be overwhelmed. The intent is to have local and state response agencies prepared to mount a swift and effective response to an incident involving nerve agents, as well as situations involving accidental releases of organophosphates, to minimize potential loss of life. Incidents involving nerve agents require immediate pharmaceutical intervention. The ability of emergency medical personnel to begin immediate treatment of individuals exposed to nerve agents may directly affect a person's ability to survive the exposure.



### To Activate MEDDRUN Call:

Primary Communications Agency: (877)633-7786

Backup Communications Agency: (616) 391-5330

## Recognizing Symptoms for Nerve Agent Exposure

### SLUDGEM

Salivation  
Lacrimation (tears)  
Urination  
Defecation/Diarrhea  
GI Upset (cramps)  
Emesis (vomiting)  
Muscle twitching or spasm

### DUMBELS

Diarrhea  
Urination  
Miosis (pupil constriction)  
Bradycardia, Bronchorrhea,  
Bronchospasm  
Emesis  
Lacrimation  
Salivation, Sweating, Secretion