

Re:

State of Maryland

Maryland Institute for Emergency Medical Services Systems

> 653 West Pratt Street Baltimore, Maryland 21201-1536

> > Larry Hogan Governor

Clay B. Stamp, NRP Chairman Emergency Medical Services Board

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To: EMS Clinicians Jurisdictional Advisory Committee Medical Directors

Timothy Chizmar, MD FACEP From: State EMS Medical Director

Date: July 19, 2019

CHEMPACK Updates

The CHEMPACK Program is a federal project that places nerve agent antidotes where they can be quickly accessed for use in EMS and hospital settings. In Maryland, the CHEMPACK is managed jointly by MIEMSS and the Maryland Department of Health (MDH) in partnership with the US Department of Health and Human Services (HHS).

With recent changes in the formulary, we have updated and streamlined our CHEMPACK guidance (please see attached). The updated algorithms incorporate the addition of midazolam for treatment of severe nerve agent exposure and seizures.

As a reminder, the CHEMPACK is a resource available for use by all EMS jurisdictions and hospitals in Maryland. A request should be considered by an EMS incident commander or hospital clinician whenever an incident presents with the possibility that available on-scene or hospitals' chemical nerve agent antidotes will not be sufficient.

All requests for the CHEMPACK are made to SYSCOM/EMRC by radio or phone 800-648-3001. The requested nerve agent antidotes will be delivered to the scene or hospital by aviation or ground transportation.

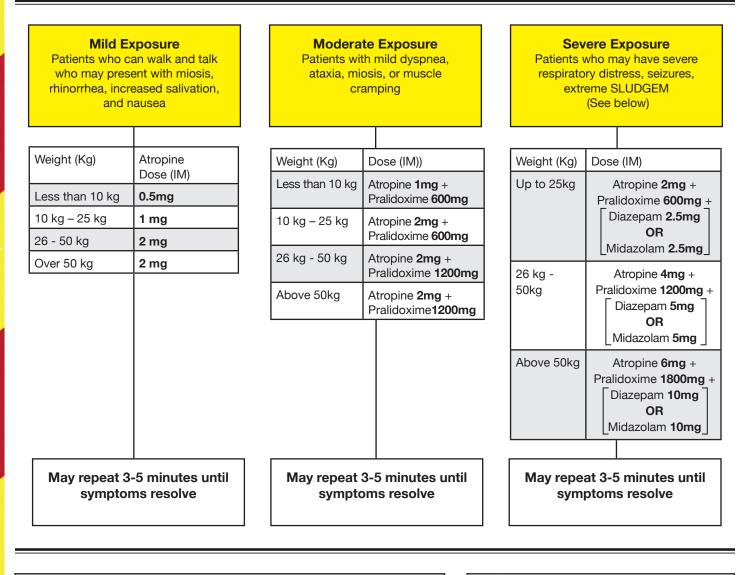
Attachment:

CHEMPACK Nerve Agent Exposure Treatment Guidance, Rev. 7/2019



CHEMPACK

Pediatric Nerve Agent Exposure Treatment



Atropine/ Pralidoxime may come packaged as either DuoDotes, Mark I Kits, ATNAA kits, individual Atropen + Pralidoxime autoinjectors, or in individual medication vials.

Treatment via Atropine & Pralidoxime Autoinjectors is preferred

CANA autoinjectors are not indicated for pediatric patients less than 50kg

Pediatric Vial Medication Instructions:

Atropine (0.4mg/mL, 20mL): Draw-up medication in 3mL, 5mL, or 10mL syringe as indicated

Diazepam & Midazolam (5mg/mL, 10mL) Draw 0.2mg/kg IM to a maximum 10mg

Color Coding and unit amount for Atropens

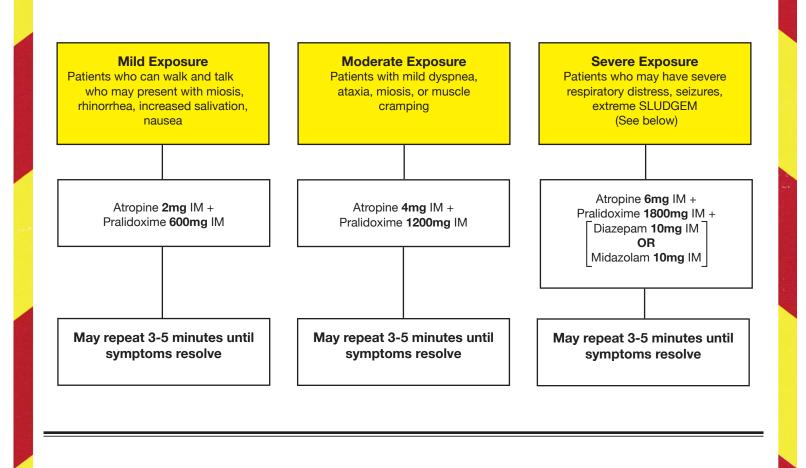
0.5 mg auto-injector (blue)

1 mg auto-injector (red)

2 mg auto-injector (green) (May not be available in all CHEMPACK caches)

- S- Salivation
- L-Lacrimation (tear production)
- **U–** Urination
- D- Defecation
- G- Gastrointestinal distress
- E- Emesis
- M- Muscle Twitching & Miosis (constricted pupils)

CHEMPACK Adult Nerve Agent Exposure Treatment



AUTO-INJECTORS SHOULD BE USED FOR ALL ADULT EMS PATIENTS

Medications may come packaged as either DuoDotes, Mark I Kits, ATNAA kits, individual Atropen + 600mg Pralidoxime Autoinjectors, or in individual medication vials

2mg Atropens are not available in all CHEMPACK caches

Adult Vial Medication Directions:

Atropine (0.4mg/ml in 20mL): Draw up medication in 5mL syringe (5mL)

Pralidoxime (300mg/mL): For Intramuscular (IM) injection: Add 3.3mL of sterile water into a single 1-gram vial, which results in a 300mg/mL concentration. Do not exceed 2mL per IM injection

Diazepam & Midazolam (5mg/mL in 10mL): draw up 2mL in 3mL syringe for IM administration for initial dose of 10mg IM

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