

# Monterey County EMS System Policy



Protocol Number: EP-5  
Effective Date: 7/1/2024  
Review Date: 6/30/2027

## OVERDOSE AND POISONING – PEDIATRIC

### BLS CARE

Routine Medical Care

Identify and locate the substance. Protect self and consider contacting California Poison Control at (800) 222-1222.

Prevent additional contact with the substance as warranted. Prevent further access to the substance by the patient.

Do not induce vomiting. Give nothing by mouth.

**Substance-Specific Treatment** in addition to Routine Medical Care:

*Suspected Narcotic Overdose.*

**Naloxone, up to 4 mg intra-nasal (IN)**, if respirations are less than 10/minute. Assess for improved respiratory rate and quality. May repeat one time if respirations remain less than 10/minute.

### ALS CARE

Routine Medical Care

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**Substance-Specific Treatment** in addition to Routine Medical Care:

*Suspected Narcotic Overdose.*

**Naloxone 0.1 mg/kg up to 2mg, IV/IO/IM**, if respirations are less than 10/min, Titrate to improved respiratory rate and quality. May repeat up to 8 mg if respirations remain less than 10/min. May be administered **IM** by an EMT working under the supervision of a paramedic.

Naloxone 4 mg IN if using single dose IN device.

**Ingestion of Non-Petroleum Based Substance or Non-Caustic Substance**

**Activated Charcoal 1 gm/kg PO** should be considered if the time of ingestion was less than one ( $\leq 1$ ) hour prior to EMS arrival and if the patient is alert and able to safely swallow liquid.

**Organophosphate Poisoning.**

**Atropine 0.05 mg/kg IV/IO.** Maximum dose 2 mg. Minimum dose is 0.1 mg. May repeat every 5 minutes while symptomatic with base contact.

**Cyclic Anti-depressants Overdose.**

**Sodium Bicarbonate 1 mEq/kg IV/IO.** Use for widened QRS (> 100 msec), hypotension, tachycardia or heart block. Base hospital contact.

**Dystonic Reaction.**

**Diphenhydramine 1 mg/kg IV/IM.** Max dose 25 mg.

**Beta Blocker Overdose (with symptomatic bradycardia or hypotension)**

**Glucagon 0.05 mg/kg IM or IV/IO over 1 minute.** May repeat once in 5 minutes.

**Calcium Chloride 20 mg/kg slow (over 10 minutes) IV push.** May repeat every 10 minutes if patient remains hypotensive. Base hospital contact.

**Atropine 0.05 mg/kg IV/IO.** Maximum dose 1 mg. Minimum dose is 0.1 mg. May repeat once in five minutes if no improvement in heart rate. Base hospital contact.

**Calcium Channel Blocker Overdose (with symptomatic bradycardia or hypotension)**

**Calcium Chloride 20 mg/kg slow (over 10 minutes) IV/IO (over 5 minutes).** May repeat every 10 minutes while symptomatic. Base hospital contact.

**Atropine 0.05 mg/kg IV/IO.** Maximum dose 1 mg. Minimum dose is 0.1 mg. May repeat once in five minutes if no improvement in heart rate. Base hospital contact.

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**CHEMPACK Deployment.**

**Nerve Agent Poisoning**

**Atropine (auto-injector or injectable) (Injectable for paramedic use only)**

- **Atropine 2 mg IM auto-injector.** May repeat every 5 minutes until symptoms relieved.
- OR
- **Atropine 2 mg IV/IO.** May repeat every 5 minutes while symptomatic.

**2-PAM (Pralidoxime) IM auto-injector.**

Administer 1 auto-injector IM for mild symptoms such as mild shortness of breath or for moderate symptoms such as sweating, twitching, and weakness.

Administer 3 auto-injectors IM for severe symptoms such as seizures, apnea, or copious secretions.

**Diazepam** (auto-injector or injectable) (Injectable for paramedic use only)

- **Diazepam 5 mg IM auto-injector.** Administer 1 auto-injector IM for seizures or severe muscle twitching. May repeat every 5 minutes for seizures and every 10 minutes for muscle twitching until symptoms resolve.

OR

- **Diazepam 5 mg IV/IM/IO** titrated to effect for seizures. May repeat every 10 minutes for continued seizures. Maximum total dose is 30 mg.