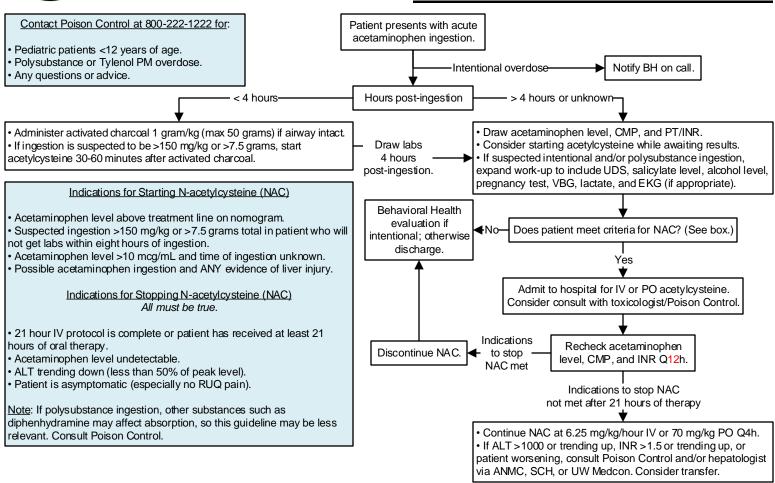
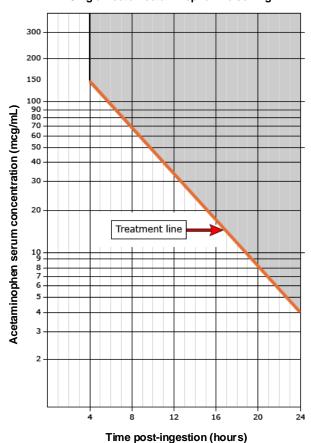


Clinical Guideline

Acetaminophen Overdose (Adult and Pediatric)



Rumack-Matthew Nomogram for Single Acute Acetaminophen Poisoning



Village Management

- Administer activated charcoal 1 gram/kg (max 50 grams) if airway intact and <4 hours since ingestion.
- If patient in village and toxicity is at all possible, start treatment with oral acetylcysteine and draw blood at 4 hours post ingestion. Instruct health aide to draw 2 mL (minimum 200 microliters) in a gold/SST or green top tube.
- Transport patient and blood work to Bethel on next available commercial flight, if stable.

For vomiting:

- If within one hour of NAC dose, repeat full dose.
- May give ondansetron or metoclopramide.

N-Acetylcysteine (NAC) Administration Protocols

1. <u>IV-21 Hour Protocol</u>: Dose is 150 mg/kg (max 15 grams) over 60 minutes immediately followed by 50 mg/kg (max 5 grams) over 4 hours immediately followed by 100 mg/kg (max 10 grams) over 16 hours (6.25 mg/kg/hour).

Dilute with D5W or $\frac{1}{2}$ NS. See <u>Dose Calculator</u> for details on dose and dilution, especially in children under 40 kg. Note: calculator defaults to pounds.

2. <u>PO 72 Hour Protocol</u>: Dilute with strongly-flavored juice or soda. Mix one part medication with three parts juice/soda.

Loading dose is 140 mg/kg.

Maintenance dose of 70 mg/kg Q4h for up to 72 hours.

The villages carry vials of inhalation/oral solution that is 200 mg/mL in 30 mL vials.

See this resource for details on dosing, including diluent and dosing volumes for weight.

This guideline is designed for the general use of most patients but may need to be a dapted to meet the special needs of a specific patient as determined by the medical practitioner.

Approved by Clinical Guideline Committee 4/28/23.

Click here to see the supplemental resources for this guideline.

If comments about this guideline, please contact Leslie_Herrmann@ykhc.org.