

Initial Date: 5/2012  
Revised Date: 08/11/2023


Section: 4-6

## **Pediatric Fever**


This protocol is intended to assist EMS providers in reducing fever in the pediatric patients prior to arrival to the emergency department. **Fever is defined as a temperature of 100.4 degrees Fahrenheit (38 degrees Celsius) or greater.** Emergency management of the febrile child involves an assessment to determine if any associated problems are present which may require emergency treatment.

1. Follow **General Pre-hospital Care-Treatment Protocol**.
2. Pediatric patients ( $\leq 14$  years) utilize MI MEDIC cards for appropriate medication dosage. When unavailable utilize pediatric dosing listed within protocol.
3. Obtain baseline temperature and document method used.
  - a. Children less 60 days old require a documented rectal temperature (including time temperature obtained) prior to antipyretic administration.
4. Administer antipyretic according to MCA selection

MCA Antipyretic Selection  
(Must select at least one)  
 **Ibuprofen (children > 6 months of age)**  
 **Acetaminophen**

-  5. Administer **ibuprofen** if child is over 6 months old, has not been given **ibuprofen** (e.g., Motrin/Advil) or any medication containing ibuprofen (i.e., cold medication) in the last 6 hours and is alert.
  - i. If patient's weight is known, utilize that weight and MI-MEDIC for dosing.
  - ii. If patient's weight is not available, utilize length-based tape and MI-MEDIC for dosing.
  - iii. If MI-MEDIC is not available, use dosing chart below.

OR

-  6. Administer **acetaminophen** if the child has not been given **acetaminophen** (e.g., Tylenol) or any medication containing acetaminophen (i.e., cold medication) in last four (4) hours and is alert, and:
  - i. If patient's weight is known, utilize that weight and MI-MEDIC for dosing.
  - ii. If patient's weight is not available, utilize length-based tape and MI-MEDIC for dosing
  - iii. If MI-Medic is not available, use dosing chart below.



7. If any question concerning alertness or ability to swallow, **DO NOT ADMINISTER.**
8. Dosing questions should be directed to online medical control.

**Michigan**  
**OBSTETRICS AND PEDIATRICS**  
**PEDIATRIC FEVER**

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Children's Elixir Dosing Table			
Child's Weight	Child's Age	Acetaminophen 160 mg/5mL	Ibuprofen 100 mg/5mL
3-5 kg (6-12 lbs.)	0-2 mos.	1.25 mL (40 mg)	DO NOT GIVE
6-7 kg (13-16 lbs.)	3-6 mos.	3 mL (96 mg)	DO NOT GIVE
8-9 kg (17-20 lbs.)	7-10 mos.	4 mL (128 mg)	4 mL (80 mg)
10-11 kg (21-25 lbs.)	11-18 mos.	5 mL (160 mg)	5 mL (100 mg)
12-14 kg (26-31 lbs.)	19 mos.-35 mos.	6 mL (192 mg)	6 mL (120 mg)
15-18 kg (32-40 lbs.)	3-4 yrs.	7 mL (224 mg)	7.5 mL (150 mg)
19-23 kg (41-51 lbs.)	5-6 yrs.	9 mL (288 mg)	9.5 mL (190 mg)
24-29 kg (52-64 lbs.)	7-9 yrs.	12 mL (384 mg)	13 mL (260 mg)
30-36 kg (65-79 lbs.)	10-14 yrs.	15 mL (480 mg)	15 mL (300 mg)

Medication Protocols

Acetaminophen

Ibuprofen

**Protocol Source/References:** [http://assets.babycenter.com/ims/Content/first-year-health-guide\\_acetaminophen\\_chart\\_pdf.pdf](http://assets.babycenter.com/ims/Content/first-year-health-guide_acetaminophen_chart_pdf.pdf)