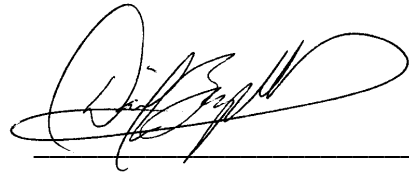


EL DORADO COUNTY EMS AGENCY

FIELD PROCEDURE:

Effective: January 1, 2017



EMS Agency Medical Director

Optional Scope Skill: Over the Counter Medication Administration

PURPOSE:

To Deliver over the counter medications (Acetaminophen, Ibuprofen, Aspirin, Diphenhydramine, Glucose, and Neosynephrine) to patients experiencing a medical emergency.

ACETAMINOPHEN (Tylenol, APAP, N-acetyl-para-aminophenol, Paracetamol)

INDICATIONS:

A febrile seizure patient who has either not been given any antipyretics or who has been given ibuprofen without a marked reduction in fever.

CONTRAINDICATIONS:

- Liver disease

DOSAGE:

15mg/kg PO. See dosage chart

IBUPROFEN (Motrin, Advil, IBU,)

INDICATIONS:

A febrile seizure patient who has either not been given any antipyretics or who has been given acetaminophen without a marked reduction in fever.

CONTRAINDICATIONS:

- Asthmas
- Ulcers
- Renal failure
- CHF

DOSAGE:

10mg/kg PO. See dosage chart

DOSAGE CHARTS

Acetaminophen dosage chart

Recommended Dosages

Important Note: Infant concentrated drops have been phased out but are safe to use if the dose is correct. They're three times as concentrated as the new infant liquid, so use caution: Know your baby's weight and follow the dosage chart. Find out how to tell the difference between the old and new medicine at www.babycenter.com/acetaminophen.

Your child's weight: 6 to 11 lbs Dose: 40 mg Old infant drops: ½ dropper (0.4 ml) New infant liquid: 1.25 ml in syringe	Your child's weight: 12 to 17 lbs Dose: 80 mg Old infant drops: 1 dropper (0.8 ml) New infant liquid: 2.5 ml in syringe Children's liquid: ½ tsp (2.5 ml in cup)	Your child's weight: 18 to 23 lbs Dose: 120 mg Old infant drops: 1½ droppers (1.2 ml) New infant liquid: 3.75 ml in syringe Children's liquid: ¾ tsp (3.75 ml in cup) Children's chews or meltaways: 1 ½ Junior-strength chews or meltaways: ¾
Your child's weight: 24 to 35 lbs Dose: 160 mg Old infant drops: 2 droppers (1.6 ml) New infant liquid: 5 ml in syringe Children's liquid: 1 tsp (5 ml in cup) Children's chews or meltaways: 2 Junior-strength chews or meltaways: 1	Your child's weight: 36 to 47 lbs Dose: 240 mg Children's liquid: 1 ½ tsp (7.5 ml in cup) Children's chews or meltaways: 3 Junior-strength chews or meltaways: 1 ½	Your child's weight: 48 to 59 lbs Dose: 320 mg Children's liquid: 2 tsp (10 ml in cup) Children's chews or meltaways: 4 Junior-strength chews or meltaways: 2
Your child's weight: 60 to 71 lbs Dose: 400 mg Children's liquid: 2 ½ tsp (12.5 ml in cup) Children's chews or meltaways: 5 Junior-strength chews or meltaways: 2 1/2 Adult regular-strength tabs (325 mg): 1	Your child's weight: 72 to 95 lbs Dose: 480 mg Children's liquid: 3 tsp (15 ml in cup) Children's chews or meltaways: 6 Junior-strength chews or meltaways: 3 Adult regular-strength tabs (325 mg): 1 to 1 ½	Your child's weight: 96+ lbs Dose: 640 mg Children's liquid: 4 tsp (20 ml in cup) Children's chews or meltaways: 8 Junior-strength chews or meltaways: 4 Adult regular-strength tabs (325 mg): 2

Active Ingredients

Old infant drops: 80 mg/0.8 ml per dropper (shake well before using)
New infant liquid: 160 mg/5 ml per included syringe (shake well before using)
Children's liquid: 160 mg/5 ml per teaspoon (shake well before using)
Children's chews or meltaways: 80 mg each
Junior-strength chews or meltaways: 160 mg each
Adult regular-strength tablets: 325 mg each

Six Safety Tips for Acetaminophen

1. Don't give to a baby under 3 months without a doctor's approval.
2. Don't confuse infant drops with the new infant liquid. Infant drops are three times more concentrated. Learn more at www.babycenter.com/acetaminophen.
3. Always use the measuring device that comes with the medicine.
4. The proper dosage is based on weight, not age. To determine the weight of a very young child, weigh yourself and then weigh yourself while holding your child. Then subtract your weight from the combined weight.
5. Never give acetaminophen to a child who's taking other medicines unless directed by a doctor. Other medicines may also contain acetaminophen, creating a dangerous overdose.
6. Don't exceed five doses in 24 hours.



Ibuprofen dosage chart

Recommended Dosages

Note: The proper dosage for your child is based on weight, not age. If you don't know how much your child weighs, and he's too young to stand on a scale himself, weigh yourself while holding him, and then weigh yourself alone. Subtract your weight from the combined weight to get his current weight.

Your child's weight: 12 to 17 lbs Dose: 50 mg Infant drops: 1 dropper OR 2/3 syringe (1.25 ml) Children's liquid: ½ tsp	Your child's weight: 18 to 23 lbs Dose: 75 mg Infant drops: 1½ droppers OR 1 syringe (1.875 ml) Children's liquid: ¾ tsp	Your child's weight: 24 to 35 lbs Dose: 100 mg Infant drops: 2 droppers OR 1 1/3 syringe (2.5 ml) Children's liquid: 1 tsp
Your child's weight: 36 to 47 lbs Dose: 150 mg Infant drops: 3 droppers OR 2 syringes (3.75 ml) Children's liquid: 1 ½ tsp Children's chews: 3 chews	Your child's weight: 48 to 59 lbs Dose: 200 mg Infant drops: 4 droppers OR 2 2/3 syringe (5.0 ml) Children's liquid: 2 tsp Children's chews: 4 Junior-strength chews or caplets: 2	Your child's weight: 60 to 71 lbs Dose: 250 mg Children's liquid: 2 ¼ tsp Children's chews: 5 Jr. strength chews or caplets: 2 ½ Adult regular-strength tabs: 1
Your child's weight: 72 to 95 lbs Dose: 300 mg Children's liquid: 3 tsp Children's chews: 6 Junior-strength chews or caplets: 3 Adult regular-strength tabs: 1 to 1 ½	Your child's weight: 96+ lbs Dose: 400 mg Children's liquid: 4 tsp Children's chews: 8 Junior-strength chews or caplets: 4 Adult regular-strength tabs: 2	

Active Ingredients

Infant drops: 50 mg (1.25 ml) per dropper / 1.875 ml (50 mg) per syringe (shake well before using)

Note: The drops come with either a dropper or a syringe, depending on the brand.

Children's liquid: 100 mg (5 ml) per teaspoon (shake well before using)

Children's chewables: 50 mg each

Junior-strength chewables or caplets: 100 mg each

Adult regular-strength tablets: 200 mg each

5 Safety Tips for Ibuprofen

1. Don't give it to a baby under 6 months without a doctor's approval.
2. Always use the measuring device that comes with the medicine – not a spoon from the kitchen.
3. Never give to a child who's taking other medicines unless directed by a doctor. The other medicine may also contain ibuprofen, creating a dangerous overdose.
4. Don't confuse infant drops with children's liquid. Infant drops are much more concentrated. Hint: Drops come with a dropper; children's liquid doesn't.
5. You can repeat the dose every six to eight hours. Don't exceed four doses in 24 hours.



ASPIRIN (ASA, Acetylsalicylic Acid)

INDICATIONS:

Patients experiencing chest pain with suspected myocardial ischemia.

CONTRAINDICATIONS:

- Allergy to ASA
- Peptic Ulcer disease vs. recent GI bleed
- Hypersensitivity to salicylates

ADVERSE EFFECTS:

- Nausea-GI upset
- Kidney toxicity
- Occult blood loss

- Anaphylaxis

Dosage:

Adult: 324-325mg (chewable baby ASA) PO

Pediatric: Not recommended for pediatric use

DIPHENHYDRAMINE (Benadryl)

INDICATIONS:

Patients that are experiencing an allergic reaction or have a known history of allergic reaction and have been exposed to the allergen

ADVERSE EFFECTS:

- Hypotension
- Drowsiness
- Tachycardia
- Bradycardia
- Dry mouth

CONTRAINDICATIONS:

- Patients without a gag reflex should not be given anything by mouth

Dosage:

ADULT:

50mg by mouth. Measure out the liquid (DO NOT REPEAT DOSING)

PEDIATRIC:

1mg/kg up to 25mg total (see chart)

DIPHENHYDRAMINE DOSAGE CHART

Weight Pounds (kg)	Elixir (25mg/10ml)	Fast Melt Chewable (12.5mg tablets)	Tablets/ Quick Dissolve Strips (25mg)
8-9lbs (4kg)	1.25ml		
10-11lbs (5kg)	2ml		
12-16lbs (6-7kg)	2.5ml		
17-21lbs (8-9kg)	3.75ml		
22-25lbs (10-11kg)	4ml		
26-33lbs (12-14kg)	5ml	1	
33-39lbs (15-17kg)	6ml	1	
40-45lbs (18-20kgs)	7ml	1 ½	
46-52lbs (21-23kg)	9ml	1 ½	
53-58lbs (24-26kg)	10ml	2	1 tab/strip

GLUTOSE (Oral Glucose)

INDICATIONS:

Patients with suspected or known diabetic history.

CONTRAINDICATIONS:

- Patients not able to follow commands
- Do not administer if patient is unresponsive

ADVERSE EFFECTS:

- Nausea/vomiting
- Aspiration
- Hyperglycemia

Dosage:

ADULT:

15 Grams by mouth, may repeat if no response

PEDIATRICS:

15 Grams by mouth, may repeat if no response

NEOSYNEPHRINE (Phenylephrine)

INDICATIONS:

Patients experiencing persistent epistaxis (nose bleeding)

CONTRAINDICATION:

- Hypersensitivity to phenylephrine or sulfites
- Severe hypertension
- Ventricular tachycardia
- Closed-angle glaucoma

ADVERSE EFFECTS:

- Headache
- Reflex bradycardia
- Excitability
- Restlessness

DOSAGE:

ADULT: 1-2 sprays per effected nare (spray into each nostril for 1-2 seconds)

PEDIATRIC: 1-2 sprays per effected nare (spray into each nostril for 1-2 seconds)

Naloxone (Narcan)

INDICATIONS:

- Suspected narcotic overdose with respiratory depression

- Altered level of consciousness with respiratory depression

CONTRAINDICATIONS:

- None

ADVERSE EFFECTS:

- Hypertension
- Tremors
- Nausea/vomiting
- Dysrhythmias
- Diaphoresis

ADMINISTRATION:

ADULT:

IV: 0.4mg in 1 minute increments slow IV push titrated to effect (max 2mg).

IN: 0.4mg (max of 0.5ml per nostril) may repeat in 5 min if no response (max 2mg).

IM: 1mg if unable to establish IV. May repeat in 5 minutes if no response (max 2mg).

ET: 1mg diluted to 5-10 ml May repeat in 5 minutes if no response (max 2mg)

(IN/IM routes are preferred in no IV)

If no response to normal doses or if patient is in extremis, administer 2mg IV/IM/IO/ET/IN q 5 minutes.

PEDIATRIC:

0.1mg/kg IV/IN/IO/IM titrated to effect (max 2mg). May repeat initial dose if no response within 5 minutes if that dose does not exceed 2mg.