



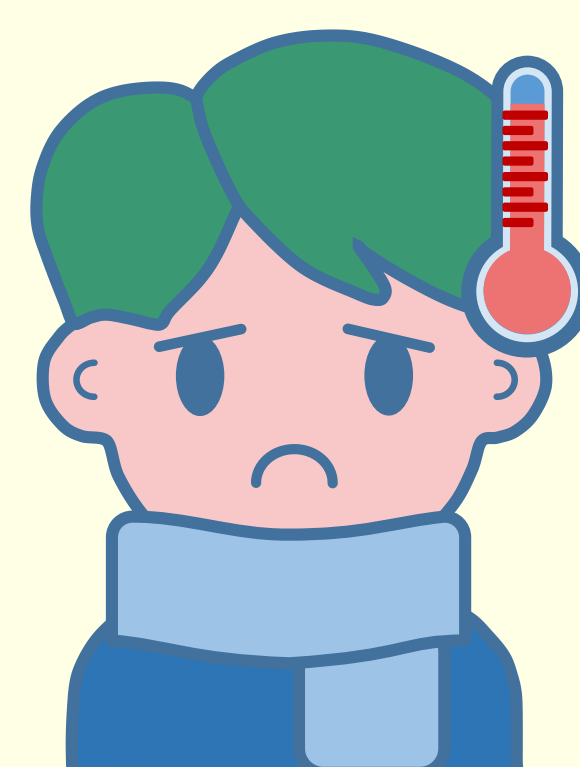
## Top 5 Pediatric Illness Complaints



1. Respiratory Illness



2. Seizure



3. Fever



4. Unspecified

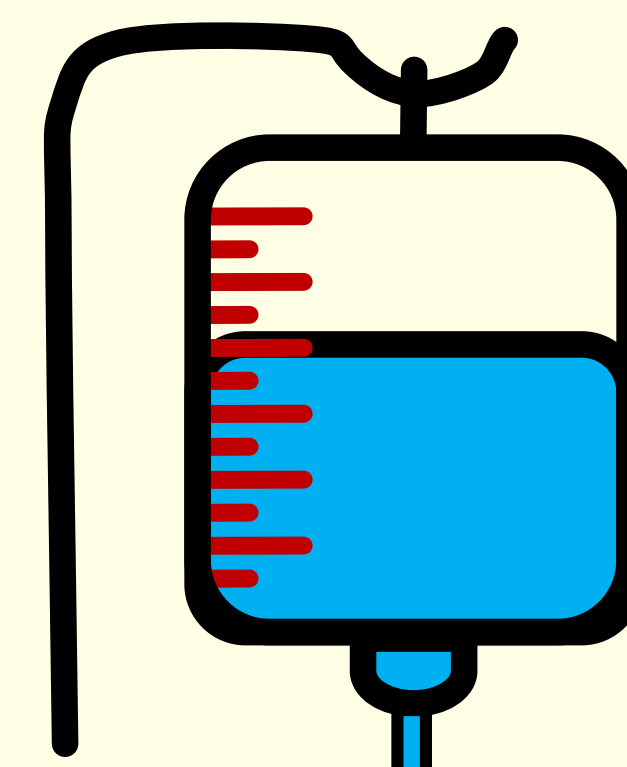


5. Rash

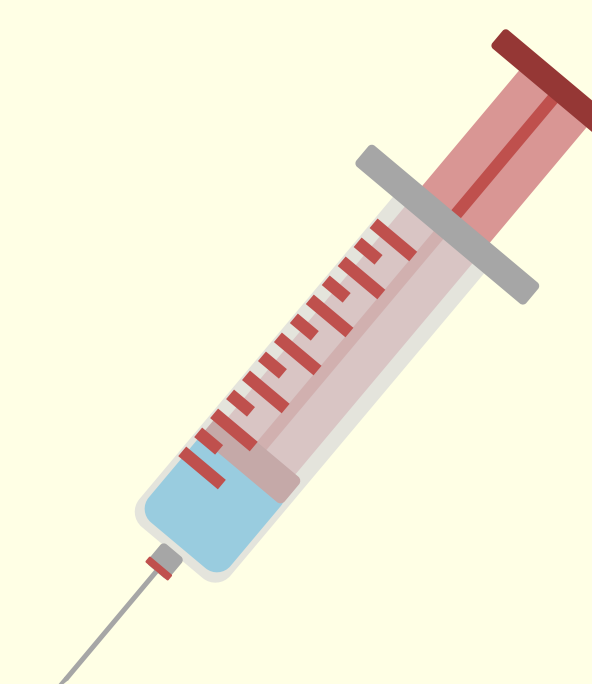
## Top 5 Medications Given to Pediatric Patients



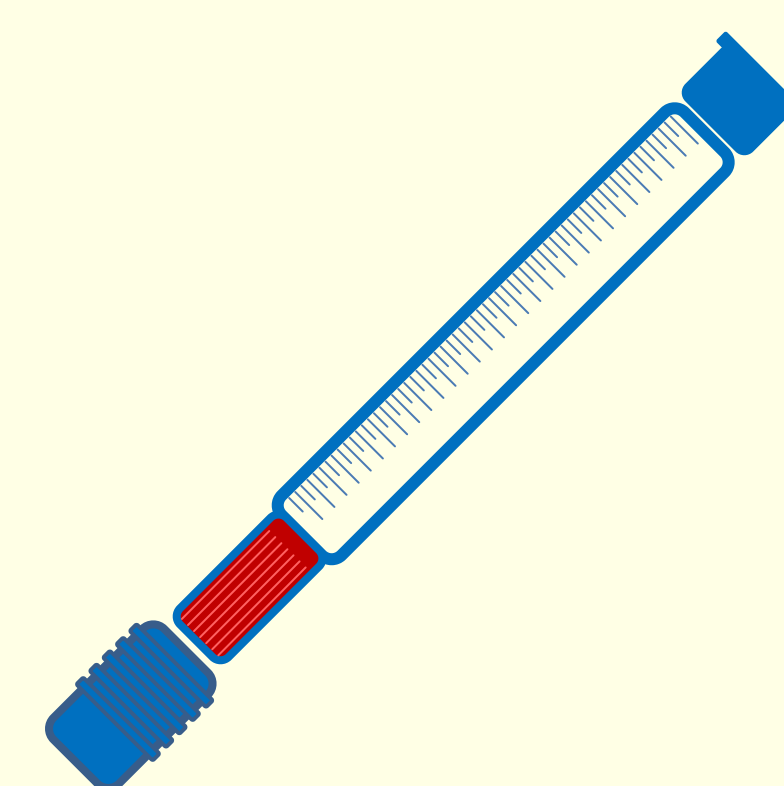
1. Oxygen



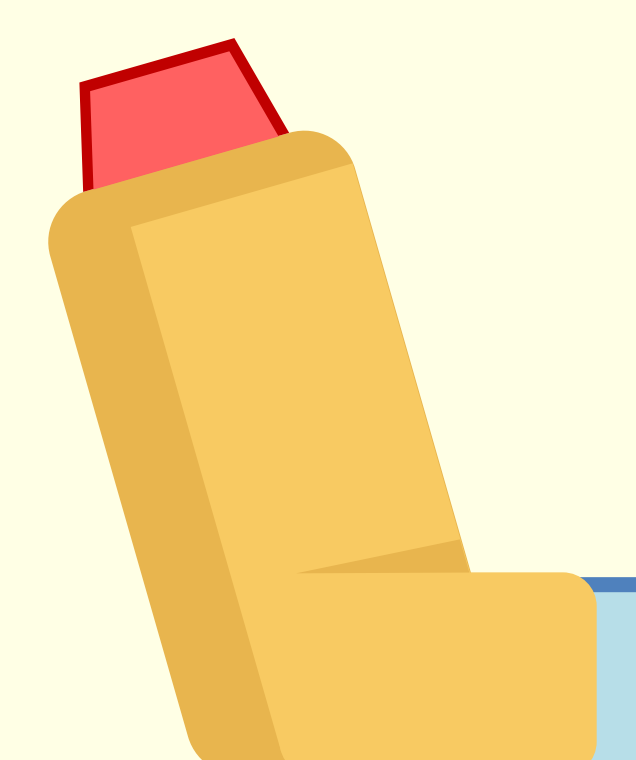
2. Saline



3. Fentanyl

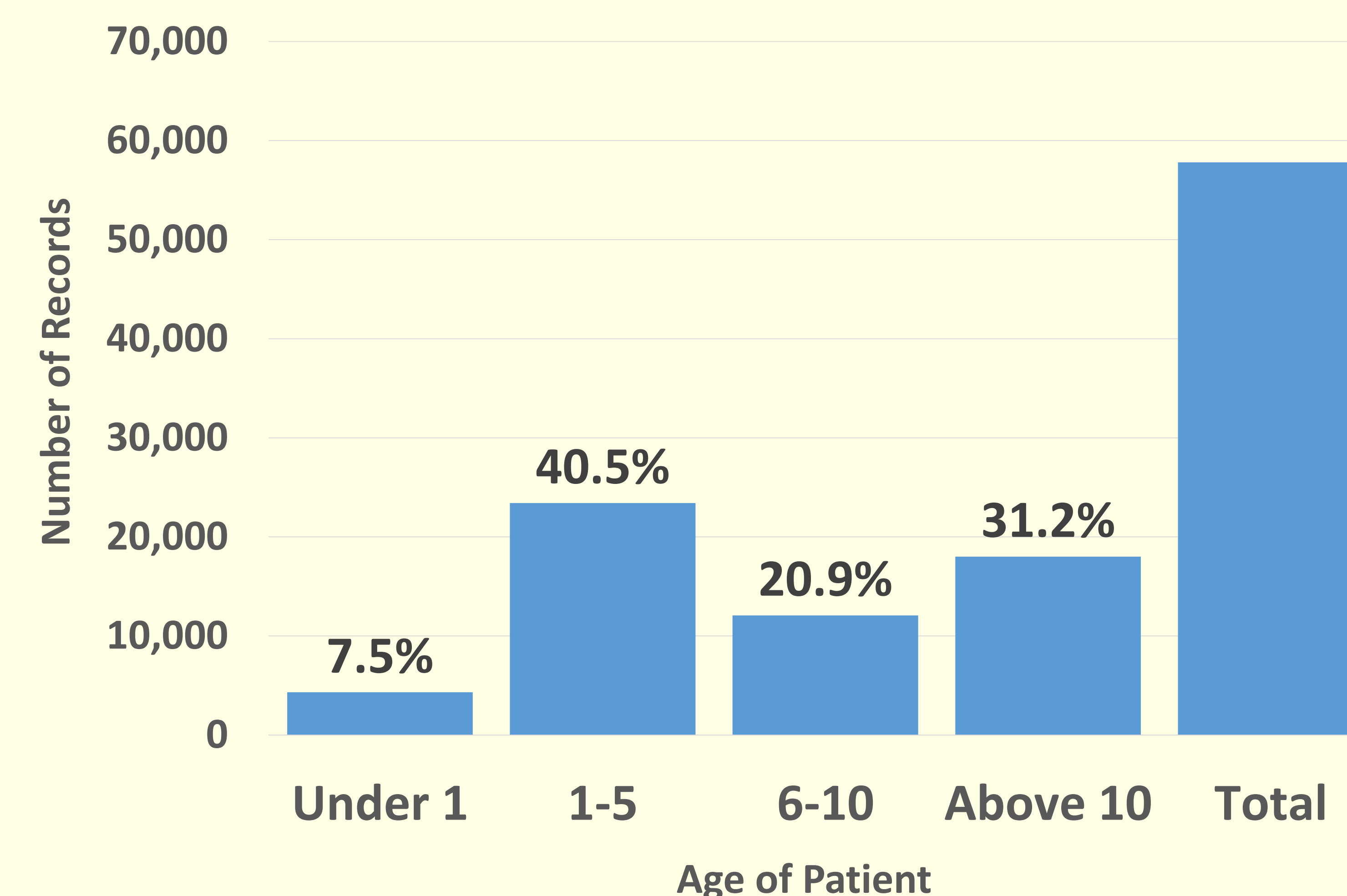


4. Epinephrine



5. Albuterol

## Pediatric Patients Treated by EMS by Age



## Medication Administration Among Pediatric Patients

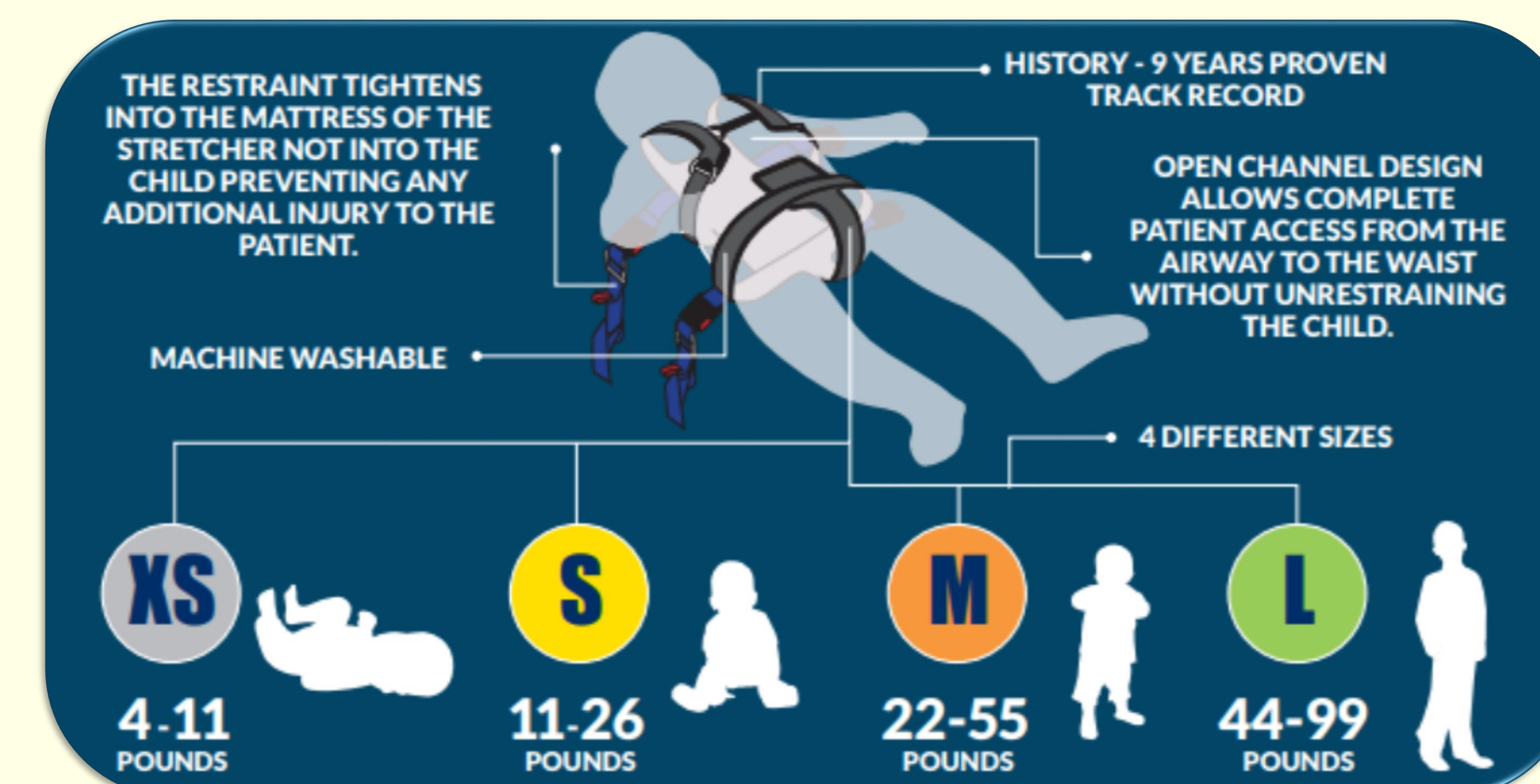
Medication errors are a major concern in pre-hospital care. Weighing pediatric patients **every time** a medication is given can reduce the risk of error.

From July 2018 – June 2019, approximately **22.2%** of pediatric patients who received medication (excluding oxygen) from an EMS provider did not have a weight documented.

Two common methods for determining a child's weight include the Handtevy system and the Broselow Pediatric Emergency Tape. To learn more about Handtevy, go to [www.handtevy.com](http://www.handtevy.com). To learn more about the Broselow Pediatric Emergency tape, visit [www.ebroselow.com](http://www.ebroselow.com).

## Ambulance Safety: Child Restraints

Product specifications of the ACR-4 child restraint system distributed by the EMS for Children Program:



The EMS for Children program provides funding to support Pediatric Education for Prehospital Professionals (PEPP) and the Emergency Nursing Pediatric Course (ENPC). For more information, contact [david.edwards@vdh.virginia.gov](mailto:david.edwards@vdh.virginia.gov).

## What Can You Do?

- Always record the weight of children in **kilograms**.
- Ensure every pediatric patient is transported in a child restraint system.
- Include pediatric patients in **all** emergency plans and quality improvement plans.
- Designate an agency Pediatric Emergency Care Coordinator.
- Adopt pediatric safety policies (i.e., medication dosages, abnormal vital signs).

15 kg	20 kg	25 kg
Epi 1:1,000 IM 0.15 mL	Epi 1:1,000 IM 0.2 mL	Epi 1:1,000 IM 0.25 mL
Epi 1:10,000 IV 1.5 mL	Epi 1:10,000 IV 2 mL	Epi 1:10,000 IV 2.5 mL
Amiodarone 1.5 mL	Amiodarone 2 mL	Amiodarone 2.5 mL
Bicarb 8.4% 15 mL	Bicarb 8.4% 20 mL	Bicarb 8.4% 25 mL
D <sub>2</sub> W 30 mL	D <sub>2</sub> W 40 mL	D <sub>2</sub> W 50 mL
Normal Saline 300 mL	Normal Saline 400 mL	Normal Saline 500 mL
Lorazepam 0.75 mL	Lorazepam 1 mL	Lorazepam 1.25 mL
*Diazepam IM/IN 0.6 mL	*Diazepam IM/IN 0.8 mL	*Diazepam IM/IN 1 mL
ETT / King / LMA 5U / 2 / 2	ETT / King / LMA 5.5U / 2 / 2.5	ETT / King / LMA 6C / 3 / 2.5

10 kg	30 kg
Epi 1:1,000 IM 0.1 mL	Epi 1:1,000 IM 0.3 mL
Epi 1:10,000 IV 1 mL	Epi 1:10,000 IV 3 mL
Amiodarone 1 mL	Amiodarone 3 mL
Bicarb 8.4% 10 mL	Bicarb 8.4% 30 mL
D <sub>2</sub> W 20 mL	D <sub>2</sub> W 30 mL
Normal Saline 200 mL	Normal Saline 600 mL
Lorazepam 0.5 mL	Lorazepam 1.5 mL
*Diazepam IM/IN 0.4 mL	*Diazepam IM/IN 1.2 mL
ETT / King / LMA 4U / - / 2	ETT / King / LMA 6.5C / 3 / 3

\*NOTE: The Diazepam IV dose is HALF (1/2) the volume of the listed Diazepam IM / IN dose.  
PEC 2014, Vol 18

**Handtevy™ Pediatric Code**

1Yr 3Yr 5Yr 7Yr 9Yr

**HANDTEVY™**  
Pediatric Emergency Standards

