



# Yolo County Emergency Medical Services Agency

## Protocols

Revised Date: December 14, 2018

### PEDIATRIC PATIENT CARE

#### Pediatric

#### Purpose

To establish general guidelines for the treatment of pediatric patients encountered by EMS personnel who present with a medical complaint and/or a traumatic injury.

#### Definitions

**Neonate:** An infant during the first 28 days of life.

**Pediatric:** A child > 28 days and < 15 years of age.

#### Principles

- Pediatric protocols shall be utilized for patients < 15 years of age.
- For all pediatric patients a length based pediatric tape is required to determine weight for medication dose and size of equipment.
- If the pediatric patient does not fit on the pediatric length based tape use adult medication dosing.
- A pediatric reference sheet is provided below.

#### Pediatric Vitals Reference Sheet

#### PEDIATRIC AVERAGE WEIGHTS & VITAL SIGNS

AGE	WEIGHT (kg)	PULSE	RESPIRATIONS
Preemie	< 1 - 2.5		
Term NB	2.5 – 4	100 – 160	30 – 50
6 months	7	80 – 160	30 – 50
1 year	10	80 – 160	24 – 40
2 years	12	80 – 130	24 – 32
4 years	16	80 – 120	22 – 28
6 years	20	75 – 115	22 – 28
8 years	25	70 – 110	20 – 24
10 years	34	70 – 110	20 – 24

#### HYPOTENSION IS DEFINED AS:

AGE	SBP (mmHG)
Term neonates (0 – 28 days of age)	< 60
Infants 1 month to 12 months	< 70
Children > 1 year to 10 years	< 70+ (2 x age in years)
> 10 years	< 90

#### APGAR SCORING CHART

	SIGN	0	1	2
A	Appearance (Color)	Blue, pale	Body pink, hands and feet blue	Completely pink
P	Pulse (Heart Rate)	Absent	Slow (below 100)	Over 100
G	Grimace (Muscle Tone)	Flaccid limp extremities	Some flexing of extremities	Active motion
A	Activity (Response to flick on sole)	No Response	Some motion, cry	Cough, sneeze, vigorous cry
R	Respiratory effort	Absent	Slow, irregular	Good, crying



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### PEDIATRIC NEUROLOGICAL ASSESSMENT

#### Glasgow Coma Scale (GCS): Score 3 - 15

Score	< 2 years or Developmentally delayed	Over 2 years of age
<b>Eye Opening</b>		
4	Spontaneous	Spontaneous
3	To Voice	To Voice
2	To Pain	To Pain
1	None	None
<b>Best Verbal Response</b>		
5	Coos, babbles	Orientated
4	Irritable cry	Confused
3	Cries to pain	Inappropriate words
2	Moans to pain	Incomprehensible sounds
1	None	None
<b>Best Motor Response</b>		
6	Spontaneous	Obeys commands
5	Withdraws to touch	Localizes pain
4	Withdraws to pain	Flexion withdrawal
3	Abnormal flexion	Abnormal flexion
2	Abnormal extension	Abnormal extension
1	None	None