

POLICY: 555.61
TITLE: Pediatric Envenomation

EFFECTIVE: 02/01/2026
REVIEW: 02/2028
SUPERCEDES:

APPROVAL SIGNATURES ON FILE IN EMS OFFICE

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PEDIATRIC ENVENOMATION

- I. AUTHORITY
Health and Safety Code, Division 2.5, California Code of Regulations, Title 22, Division 9
- II. PURPOSE
To serve as a patient treatment standard for EMRs, EMTs, and Paramedics within their scope of practice.
- III. PROTOCOL

Provider Key: F = First Responder/EMR E = EMT O = EMT Local Optional SOP
P = Paramedic D = Base Hospital Physician Order Required

	F	E	O	P	D
SCENE SAFETY	X	X	X	X	
ASSESSMENT	X	X	X	X	
IDENTIFY CAUSE: if feasible and safe to do so, have animal transported for identification purposes. <ul style="list-style-type: none"> Bee/Wasp sting: Remove (scrape away) stinger. Cold packs may be applied to relieve pain. Spider bite/Scorpion sting: Remove stinger. Cold packs may be applied to relieve pain. Snake envenomation: Avoid movement of the affected extremity, keeping extremity at or below heart level. Consider splinting. DO NOT APPLY ICE. Monitor distal pulses. Circle any swelling around bite mark(s) with a pen and note time. This measurement can be used as a baseline for determining the progress of swelling. 	X	X	X	X	
BLS AIRWAY: okay if airway patent. Support ventilations with appropriate airway adjuncts.	X	X	X	X	
SUPRAGLOTTIC AIRWAY: if GCS is < 8 and not rapidly improving, consider SGA.			X	X	
PULSE OXIMETRY: apply and monitor.		X	X	X	
CAPNOGRAPHY: apply and monitor if SGA has been placed.				X	
OXYGEN: if pulse oximetry < 94% or signs of respiratory distress or hypoperfusion.	X	X	X	X	
ECG MONITOR: lead placement may be delegated. Treat as indicated.				X	
VASCULAR ACCESS: IV/IO, rate as indicated.				X	
IDENTIFY CAUSE: if feasible and safe to do so have the dead animal transported for identification purposes.	X	X	X	X	
MIDAZOLAM: if suspected Black Widow Spider bite and muscle spasms, refer to 555.43 PEDIATRIC PAIN MANAGEMENT.				X	

Pediatric Normal Vital Signs

<i>Age</i>	HR	RR	BP	Temp (C)	Temp (F)
<i>Premie</i>	120-170	40-70	55-75/35-45	36-38	96.8-100.4
<i>0-3 months</i>	100-160	35-60	65-85/45-55	36-38	96.8-100.4
<i>3-6 months</i>	90-120	30-45	70-90/50-65	36-38	96.8-100.4
<i>6-12 months</i>	80-120	25-40	80-100/55-65	36-38	96.8-100.4
<i>1-3 years</i>	70-110	20-30	90-105/55-70	36-38	96.8-100.4
<i>3-6 years</i>	65-110	20-25	90-110/60-75	36-38	96.8-100.4
<i>6-12 years</i>	65-100	14-22	90-120/60-75	36-38	96.8-100.4
<i>12+</i>	55-100	12-20	100-135/65-85	36-38	96.8-100.4