

NOR-CAL EMS	1613	Pediatric Pain Management
Nor-Cal EMS Policy & Procedure Manual		Treatment Guidelines
Effective Date: 01/01/2025		Next Revision: 01/01/2028
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Assess ABC's
History and Physical
Vital signs
Oxygen: titrate spo2 to 94%

Cold packs/ splinting
coaching

ALS

Establish IV/IO
ECG

KETAMINE:
Contraindicated less than 15 years
See adult Pain management if needed

Ketorolac:
Contraindicated less than 2 years

Consider:
Ketorolac 0.5mg/kg IV or IM
Max of dose of 15mg
Or
Acetaminophen 15mg/kg IV over 20min
Max dose 1000mg

Moderate to severe pain

Consider Narcotics:
Fentanyl 1-1.5mcg/kg IN (First dose preferred route IN) IN/IM/IV/IO
May Repeat every 5 min
Max single dose of 25mcg And/ or

Morphine 0.1mg/kg IM/IV/IO May repeat every 5 min
Max single dose of 2.5mg

Pediatric Blood Pressures:
To determine hypotension Use formula: $65 + (2 \times \text{age})$
To determine normal Systolic BP: $90 + (2 \times \text{age})$

Systolic BP Estimate for hypotension

Infant	less than 60
Toddler 1-3years	less than 70
Preschool 3-6 years	less than 75
School age 6-12 years	less than 80
Adolescent 12-18 years	less than 90

OPIOID NOTES:
MAX TOTAL Opioid dose:
10mg of morphine equivalent
200mcg Fentanyl=20mg of Morphine

Systolic BP must be above age appropriate for patient

Consider ETco2 with larger doses