

April 2025

MARIN COUNTY EMS PEDIATRIC DOSING GUIDE (PAGE 2)

PTG 2A

	Grey	Pink	Red	Purple	Yellow	White	Blue	Orange	Green	
WEIGHT	kg	3 - 5	6 - 7	8 - 9	10 - 11	12 - 14	15 - 18	19 - 22	24 - 28	30 - 36
	lbs	6 - 11	13 - 15	18 - 20	22 - 24	27 - 31	33 - 40	42 - 51	53 - 64	66 - 80
FENTANYL (Pain) 1 mcg/kg slow IV/IO/IM/IN MR q 5 min. For IN split dose per nostril Max dose 3 mcg/kg Concentration: 100 mcg/2 ml (50 mcg/ml)	4 mcg	6.5 mcg	8.5 mcg	10.5 mcg	13.5 mcg	16.5 mcg	21 mcg	26.5 mcg	33 mcg	
GLUCAGON (hypoglycemia/Beta blocker OD) 0.03 mg/kg IM MR x 2 q 15 min if no IV established Max dose 1 mg Concentration: 1 mg/1 ml	0.12 mg	0.2 mg	0.3 mg	0.3 mg	0.4 mg	0.5 mg	0.6 mg	0.8 mg	1 mg	
IPRATROPIUM Atrovent 500 mcg per unit dose (2.5 ml)	500 mcg / 2.5 ml									
LIDOCAINE 2% (IO Insertion) 0.5 mg/kg slow IO MR x 1 at ½ initial dose (0.25mg/kg) Max dose 40 mg Concentration: 20 mg/1 ml	1st	2.0 mg	3 mg	4 mg	5 mg	6 mg	8 mg	10 mg	13 mg	17 mg
		0.1 ml	0.2 ml	0.2 ml	0.3 ml	0.3 ml	0.4 ml	0.5 ml	0.7 ml	0.8 ml
	2nd	1.0 mg	2 mg	2 mg	3 mg	3 mg	4 mg	5 mg	6 mg	8 mg
		0.05 ml	0.1 ml	0.1 ml	0.2 ml	0.2 ml	0.2 ml	0.3 ml	0.4 ml	0.4 ml
MIDAZOLAM Versed (Seizure) slow IV/IO: 0.05mg/kg MR x 2 q15 min Total max dose 5mg Concentration: 2 mg/ 2ml (1 mg/ml)		0.2 mg	0.3 mg	0.4 mg	0.5 mg	0.7 mg	0.8 mg	1 mg	1 mg	1 mg
		0.2 ml	0.3 ml	0.4 ml	0.5 ml	0.7 ml	0.8 ml	1 ml	1 ml	1 ml
MIDAZOLAM Versed (Seizure) IN: 0.2 mg/kg Split dose equally per nostril Max dose 5 mg Concentration: 5 mg/ml		0.8 mg	1.3 mg	1.7 mg	2.1 mg	2.6 mg	3.3 mg	4.2 mg	5 mg	5 mg
		0.16 ml	0.3 ml	0.3 ml	0.4 ml	0.5 ml	0.7 ml	0.8 ml	1 ml	1 ml
MIDAZOLAM Versed (Seizure) IM: 0.2 mg/kg MR x 1 in 10 minutes Max single dose 5 mg Concentration: 5 mg/ml		0.8 mg	1.3 mg	1.7 mg	2.1 mg	2.6 mg	3.3 mg	4.2 mg	5 mg	5 mg
		0.16 ml	0.3 ml	0.3 ml	0.4 ml	0.5 ml	0.7 ml	0.8 ml	1 ml	1 ml
MIDAZOLAM Versed (Cardioversion) slow IV/IO: 0.05 mg/kg Max dose: 1 mg Concentration: 2 mg/ 2ml (1 mg/ml)		0.2 mg	0.3 mg	0.4 mg	0.5 mg	0.7 mg	0.8 mg	1 mg	1 mg	1 mg
		0.2 ml	0.3 ml	0.4 ml	0.5 ml	0.7 ml	0.8 ml	1 ml	1 ml	1 ml
MORPHINE (Pain/Burns) 0.1 mg/kg IV/IO/IM MR x 2 q 15 minutes (IV/IO) MR in 30 minutes (IM) Concentration: 10 mg/1 ml		0.4 mg	0.7 mg	0.9 mg	1 mg	1.3 mg	1.7 mg	2.1 mg	2.6 mg	3.3 mg
		0.04 ml	0.1 ml	0.1 ml	0.1 ml	0.1 ml	0.2 ml	0.2 ml	0.3 ml	0.3 ml
NALOXONE Narcan 0.1 mg/kg IV/IO/IM/IN MR q 5 min For IN, split dose evenly per nostril Concentration: 2 mg/2 ml		0.4 mg	0.7 mg	0.9 mg	1 mg	1.3 mg	1.7 mg	2 mg	2 mg	2 mg
		0.4 ml	0.7 ml	0.9 ml	1 ml	1.3 ml	1.7 ml	2 ml	2 ml	2 ml
ONDANSETRON Zofran Concentration: 4 mg tab ODT, 4 mg/2 ml IV	Age 2 - 3 years: Give 2 mg ODT or slow IVP					Age 4 and up: Give 4 mg ODT or slow IVP				
SODIUM BICARBONATE 1 mEq/kg IV/IO Concentration: 1 mEq/ml		4 mEq	6.5 mEq	8.5 mEq	10 mEq	13 mEq	17 mEq	21 mEq	26 mEq	33 mEq
		4 ml	6.5 ml	8.5 ml	10 ml	13 ml	17 ml	21 ml	26 ml	33 ml