APPROVED: SIGNATURE ON FILE IN EMS OFFICE
Executive Director

SIGNATURE ON FILE IN EMS OFFICE
Medical Director

EFFECTIVE DATE 02/02/2004
SUPERSEDES:
REVISED: 01/2008
REVIEW DATE: 02/2009

PEDIATRIC MEDICATION CHART

I. AUTHORITY: Health and Safety Code, Division 2.5, California Code of Regulations, Title 22, Division 9

II. PURPOSE: To serve as the treatment standard for EMT-Is and EMT-Ps in treating patients.

III. PROTOCOL:

DO NOT EXCEED ADULT TOTALS
c = concentration

	Premie	**NB**	**3 Mos.**	**6 Mos.**	**1 Year**	**2 year**	**4 Year**	**6 Year**	**8 Year**	**10 Year**	**12 Year**
Body Length Range (centimeters)	0 to 53	54 to 58	59 to 65	66 to 74	75 to 80	81 to 86	87 to 99	100 to 113	114 to 132	133 to 158	159 to 189
Average Body Weight (kilograms)	< 2.5	2.5 - 4	6	7	10	12	16	20	25	34	41
Activated Charcoal c=6.25 g/oz. dose = 1 g/kg	-	-	-	-	-	12 g	16 g	20 g	25 g	34 g	41 g
Adenosine c = 3 mg/ml dose = 0.1 mg/kg	-	0.25 - 0.4 mg	0.6 mg	0.7 mg	1 mg	1.2 mg	1.6 mg	2.0 mg	2.5 mg	3.4 mg	4.1 mg
Albuterol 1 unit dose (3 ml of 0.083% nebulizer solution)	1 unit	1 unit	1 unit	1 unit	1 unit	1 unit	1 unit	1 unit	1 unit	1 unit	1 unit
Atropine IV c = 0.1 mg/ml dose = 0.02 mg/kg (cardiac dose)	-	.1 mg	0.12 mg	0.14 mg	0.2 mg	0.24 mg	0.32 mg	0.4 mg	0.5 mg	0.68 mg	0.82 mg
Dextrose (D50W diluted to D25W) dose = 2 ml/kg	2 - 5 ml	5 - 8 ml	12 ml	14 ml	20 ml	24 ml	-	-	-	-	-
Dextrose (D50W) dose = 1 ml/kg	-	-	-	-	-	-	16 ml	20 ml	25 ml	34 ml	41 ml
Midazolam IV c = 5 mg/ml dose = 0.1 mg/kg	0.1 - 0.25 mg	0.25 - 0.4 mg	0.6 mg	0.7 mg	1 mg	1.2 mg	1.6 mg	2 mg	2 mg	2 mg	2 mg
Diphenhydramine c = 10 mg/ml dose = 1 mg/kg	1 - 2.5 mg	2.5 - 4 mg	6 mg	7 mg	10 mg	12 mg	16 mg	20 mg	25 mg	34 mg	41 mg

	Premie	**NB**	**3 Mos.**	**6 Mos.**	**1 Year**	**2 year**	**4 Year**	**6 Year**	**8 Year**	**10 Year**	**12 Year**
Body Length Range (centimeters)	0 to 53	54 to 58	59 to 65	66 to 74	75 to 80	81 to 86	87 to 99	100 to 113	114 to 132	133 to 158	159 to 189
Average Body Weight (kilograms)	< 2.5	2.5 - 4	6	7	10	12	16	20	25	34	41
Dopamine	FOR A CONCENTRATION OF **800** µg of DOPAMINE PER MILLILITER SOLUTION: One 5 ml ampule of Dopamine (200 mg of dopamine per ampule) mixed in 250 ml of NS										
10µg IV/IO	1	3	4	5	7	9	12	15	19	25	31
15µg IV/IO	2	4	7	8	11	13	18	22	28	38	46
20µg IV/IO	3	6	9	10	15	18	24	30	37	51	61
Epinephrine **1:10,000** IV/IO dose = 0.01 mg/kg	0.01 - 0.025 mg	0.025 - .04 mg	0.06 mg	0.07 mg	0.1 mg	0.12 mg	0.16 mg	0.2 mg	0.25 mg	0.34 mg	0.41 mg
Epinephrine **1:1000** ET dose =0.1 mg/kg	-	-	0.6 mg	0.7 mg	1 mg	1.2 mg	1.6 mg	2 mg	2.5 mg	3.4 mg	4.1 mg
Epinephrine 1:1000 SQ dose = 0.01 mg/kg	-	-	0.06 mg	0.07 mg	0.1 mg	0.12 mg	0.16 mg	0.2 mg	0.25 mg	0.34 mg	0.41 mg
Fluid Challenge dose = 20 ml/kg	20 - 50 ml	50 - 80 ml	120 ml	140 ml	200 ml	240 ml	320 ml	400 ml	500 ml	680 ml	820 ml
Glucagon c = 1 mg/ml or 1 unit/ml dose = 0.05 mg/kg (up to 1 mg)	0.3 mg	0.3 mg	0.3 mg	0.35 mg	0.5 mg	0.6 mg	0.8 mg	1 mg	1 mg	1 mg	1 mg
Lidocaine IV c = 20 mg/ml dose = 1 mg/kg	-	2.5 - 4 mg	6 mg	7 mg	10 mg	12 mg	16 mg	20 mg	25 mg	34 mg	41 mg
Lidocaine ET c = 20 mg/ml dose = 3 mg/kg	-	7.5 - 12 mg	18 mg	21 mg	30 mg	36 mg	48 mg	60 mg	75 mg	102 mg	123 mg
Morphine c = 10 mg/ml dose = 0.1 mg/kg	-	0.25 - 0.4 mg	0.6 mg	0.7 mg	1 mg	1.2 mg	1.6 mg	2 mg	2 mg	2 mg	2 mg
Naloxone c = 1 mg/ml dose = 0.1 mg/kg (up to 2 mg)	0.1 - 0.25 mg	0.25 - 0.4 mg	0.6 mg	0.7 mg	1 mg	1.2 mg	1.6 mg	2 mg	2 mg	2 mg	2 mg
Sodium Bicarbonate c = 1 mEq/ml dose = 1 mEq/kg	1 - 2.5 mEq	2.5 - 4 mEq	6 mEq	7 mEq	10 mEq	12 mEq	16 mEq	20 mEq	25 mEq	34 mEq	41 mEq