



# 2020 Pediatric Dosing Guide

Info	Length base weight Measured crown to heel	3kg	4kg	5kg	6-7kg	8-9kg	10-11kg	12-14kg	15-18kg	19-23kg	24-29kg	30-36kg	
	<b>Broslow Color</b>	Gray			Pink	Red	Purple	Yellow	White	Blue	Orange	Green	
Vitals	<b>Respiratory Rate</b>	40-60	30-50	30-50	30-45	25-35	20-30	20-30	20-30	18-24	18-22	16-20	
	<b>Heart Rate</b>	110-150			110-150	80-150	80-125	75-115	65-115	60-110	60-110	60-110	
	<b>Systolic Blood Pressure</b>	> 60	> 65	> 70	> 75	> 95	> 95	> 95	> 95	> 100	> 100	> 100	
	<b>Treatable Hypoglycemia (*Neonate)</b>	< 70			< 70	< 70	< 70	< 70	< 70	< 70	< 70	< 70	
BLS Airway	<b>BVM</b>	Infant			Infant	Infant	Child	Child	Child	Child	Child/Adult	Adult	
	<b>OPA</b>	40mm	50mm	50mm	50mm	50mm	60mm	60mm	60mm	70mm	80mm	80mm	
	<b>NPA</b>	14f			14f	14f	18f	20f	22f	24f	26f	30f	
Electricity	<b>Defibrillation</b>	Initial dose	6J	8J	10J	15J	20J	20J	30J	50J	50J	70J	
		Repeat dose	12J	15J	20J	30J	50J	50J	50J	70J	100J	100J	150J
	<b>Cardioversion</b>	Initial dose	3J	4J	5J	7J	9J	10J	15J	15J	20J	30J	30J
		Repeat dose	6J	8J	10J	15J	20J	20J	30J	50J	50J	50J	70J

**Stanford Pediatric Base Station**  
**(650) 723-5032**



Any box this color with ~~strikethrough~~ text requires a Base Hospital Order

Medications		Initial dose	3kg	4kg	5kg	6-7kg	8-9kg	10-11kg	12-14kg	15-18kg	19-23kg	24-29kg	30-36kg
		Second dose											
<b>Adenosine</b> Concentration = 3 mg/ml	Initial dose	0.3 mg	0.4 mg	0.5 mg	0.65 mg	0.85 mg	1 mg	1.3 mg	1.7 mg	2.1 mg	2.7 mg	3.3 mg	
	Second dose	0.1 ml	0.13 ml	0.17 ml	0.22 ml	0.28 ml	0.34 ml	0.44 ml	0.57 ml	0.7 ml	0.9 ml	1.1 ml	
<b>Albuterol</b> Concentration = 2.5 mg/3 ml	Initial dose	0.6 mg	0.8 mg	1 mg	1.3 mg	1.7 mg	2 mg	2.6 mg	3.4 mg	4.2 mg	5.4 mg	6 mg	
	Second dose	0.2 ml	0.26 ml	0.34 ml	0.44 ml	0.57 ml	0.66 ml	0.86 ml	1.14 ml	1.4 ml	1.8 ml	2 ml	
<b>Atropine</b> Concentration = 0.1 mg/ml	Initial dose	2.5 mg	2.5 mg	2.5 mg	2.5 mg	2.5 mg	2.5 mg	2.5 mg	2.5 mg	2.5 mg	2.5 mg	2.5 mg	
	Second dose	3 ml	3 ml	3 ml	3 ml	3 ml	3 ml	3 ml	3 ml	3 ml	3 ml	3 ml	
<b>Calcium Chloride</b> Concentration = 1 g/10ml	Initial dose	0.1 mg	0.1 mg	0.1 mg	0.13 mg	0.17 mg	0.2 mg	0.25 mg	0.35 mg	0.42 mg	0.5 mg	0.5 mg	
	Second dose	1 ml	1 ml	1 ml	1.3 ml	1.7 ml	2 ml	2.5 ml	3.5 ml	4.2 ml	5 ml	5 ml	
<b>Dextrose 10%</b> Concentration = 0.1 g/ml	Initial dose	60 mg	80 mg	100 mg	120 mg	160 mg	200 mg	240 mg	300 mg	380 mg	480 mg	600 mg	
	Second dose	0.6 ml	0.8 ml	1 ml	1.2 ml	1.6 ml	2 ml	2.4 ml	3 ml	3.8 ml	4.8 ml	6 ml	
<b>Diphenhydramine</b> Concentration = 50 mg/ml	Initial dose	1.5 g	2 g	2.5 mg	3.2 g	4.2 g	5.2 g	6.5 g	8.2 g	10 g	10 g	10 g	
	Second dose	15 ml	20 ml	25 ml	32 ml	42 ml	52 ml	65 ml	82 ml	100 ml	100 ml	100 ml	
<b>Dopamine</b> Concentration = 1,600 mcg/ml	Initial dose	3 mg	4 mg	5 mg	6.5 mg	8.5 mg	10 mg	13 mg	17 mg	21 mg	27 mg	33 mg	
	Second dose	0.06 ml	0.08 ml	0.1 ml	0.13 ml	0.17 ml	0.2 ml	0.26 ml	0.34 ml	0.42 ml	0.54 ml	0.66 ml	
<b>Contact Base Hospital for Dosing</b>													
<b>Epinephrine 1:1,000 IM</b> Concentration = 1 mg/ml	Initial dose	0.03 mg	0.04 mg	0.05 mg	0.06 mg	0.08 mg	0.1 mg	0.13 mg	0.15 mg	0.15 mg	0.15 mg	0.3 mg	
	Second dose	0.03 ml	0.04 ml	0.05 ml	0.06 ml	0.08 ml	0.1 ml	0.13 ml	0.15 ml	0.15 ml	0.15 ml	0.3 ml	
<b>Epinephrine 1:1,000 NEB</b> Concentration = 1 mg/ml	Initial dose	1.5 mg	2 mg	2.5 mg	3 mg	4 mg	5 mg	5 mg	5 mg	5 mg	5 mg	5 mg	
	Second dose	1.5 ml	2 ml	2.5 ml	3 ml	4 ml	5 ml	5 ml	5 ml	5 ml	5 ml	5 ml	
<b>Epinephrine 1:10,000</b> Concentration = 0.1 mg/ml Max 3mg	Initial dose	0.03 mg	0.04 mg	0.05 mg	0.065 mg	0.085 mg	0.1 mg	0.13 mg	0.17 mg	0.21 mg	0.27 mg	0.33 mg	
	Second dose	0.3 ml	0.4 ml	0.5 ml	0.65 ml	0.85 ml	1 ml	1.3 ml	1.7 ml	2.1 ml	2.7 ml	3.3 ml	
<b>Fentanyl IV/IO</b> Concentration = 50 mcg/ml May repeat 5 min. apart to max 3 mcg/kg	Initial dose	3 mcg	4 mcg	5 mcg	6 mcg	8.5 mcg	10 mcg	13 mcg	17 mcg	20 mcg	25 mcg	25 mcg	
	Second dose	0.06 ml	0.08 ml	0.1 ml	0.12 ml	0.17 ml	0.2 ml	0.26 ml	0.34 ml	0.4 ml	0.5 ml	0.5 ml	
<b>Fentanyl IM</b> Concentration = 50 mcg/ml May repeat x1 after 10 min. to max 3 mcg/kg	Initial dose	3 mcg	4 mcg	5 mcg	6 mcg	8.5 mcg	10 mcg	13 mcg	17 mcg	20 mcg	25 mcg	25 mcg	
	Second dose	0.06 ml	0.08 ml	0.1 ml	0.12 ml	0.17 ml	0.2 ml	0.26 ml	0.34 ml	0.4 ml	0.5 ml	0.5 ml	
<b>Fentanyl IN</b> Concentration = 50 mcg/ml Single dose only	Initial dose	6 mcg	8 mcg	10 mcg	12 mcg	17 mcg	20 mcg	26 mcg	34 mcg	40 mcg	50 mcg	50 mcg	
	Second dose	0.12 ml	0.16 ml	0.2 ml	0.24 ml	0.34 ml	0.4 ml	0.52 ml	0.68 ml	0.8 ml	1 ml	1 ml	
<b>Fluid Bolus</b>	Initial dose	30 ml	40 ml	50 ml	130 ml	170 ml	210 ml	260 ml	325 ml	420 ml	500 ml	500 ml	
	Second dose	0.5 mg	0.5 mg	0.5 mg	0.5 mg	0.5 mg	0.5 mg	0.5 mg	0.5 mg	1 mg	1 mg	1 mg	
<b>Glucagon</b> Concentration = 1 mg/ml	Initial dose	0.5 mg	0.5 mg	0.5 mg	0.5 mg	0.5 mg	0.5 mg	0.5 mg	0.5 mg	1 mg	1 mg	1 mg	
	Second dose	0.5 ml	0.5 ml	0.5 ml	0.5 ml	0.5 ml	0.5 ml	0.5 ml	0.5 ml	1 ml	1 ml	1 ml	
<b>Lidocaine</b> Concentration = 20 mg/ml	Initial dose	3 mg	4 mg	5 mg	6.5 mg	8.5 mg	10 mg	13 mg	17 mg	20 mg	28 mg	33 mg	
	Second dose	0.15 ml	0.2 ml	0.25 ml	0.33 ml	0.43 ml	0.5 ml	0.65 ml	0.85 ml	1 ml	1.4 ml	1.7 ml	
<b>Lidocaine for IO</b> Concentration = 20 mg/ml	Initial dose	1.5 mg	2 mg	2.5 mg	3.2 mg	4.2 mg	5 mg	6.5 mg	8.5 mg	10 mg	14 mg	16.5 mg	
	Second dose	0.07 ml	0.1 ml	0.12 ml	0.16 ml	0.21 ml	0.25 ml	0.32 ml	0.42 ml	0.5 ml	0.7 ml	0.82 ml	
<b>Midazolam IV/IO</b> Concentration = 5 mg/ml	Initial dose	0.3 mg	0.4 mg	0.5 mg	0.6 mg	0.8 mg	1 mg	1.3 mg	1.6 mg	2 mg	2 mg	2 mg	
	Second dose	0.06 ml	0.08 ml	0.1 ml	0.12 ml	0.16 ml	0.2 ml	0.26 ml	0.32 ml	0.4 ml	0.4 ml	0.4 ml	
<b>Midazolam IM/IN</b> Concentration = 5 mg/ml	Initial dose	0.6 mg	0.8 mg	1 mg	1.2 mg	1.6 mg	2 mg	2.6 mg	3.2 mg	4 mg	5 mg	5 mg	
	Second dose	0.12 ml	0.16 ml	0.2 ml	0.24 ml	0.32 ml	0.4 ml	0.52 ml	0.64 ml	0.8 ml	1 ml	1 ml	
<b>Naloxone</b> Concentration = 1 mg/ml	Initial dose	0.3 mg	0.4 mg	0.5 mg	0.64 mg	0.85 mg	1 mg	1.3 mg	1.6 mg	2 mg	2 mg	2 mg	
	Second dose	0.3 ml	0.4 ml	0.5 ml	0.64 ml	0.85 ml	1 ml	1.3 ml	1.6 ml	2 ml	2 ml	2 ml	
<b>Ondansetron ODT</b> Concentration = 4 mg tablet	Initial dose							2 mg	2 mg	2 mg	4 mg	4 mg	4 mg
	Second dose							1/2 tab	1/2 tab	1/2 tab	1 tab	1 tab	1 tab
<b>Ondansetron</b> Concentration = 2 mg/ml	Initial dose	0.3 mg	0.4 mg	0.5 mg	0.6 mg	0.8 mg	2 mg	2 mg	2 mg	4 mg	4 mg	4 mg	
	Second dose	0.15 ml	0.2 ml	0.25 ml	0.3 ml	0.4 ml	1 ml	1 ml	1 ml	2 ml	2 ml	2 ml	
<b>Sodium Bicarbonate</b> Concentration = 50 mEq/50ml	Initial dose	3mEq	4mEq	5mEq	6mEq	8mEq	10mEq	12 mEq	15 mEq	19 mEq	24 mEq	30 mEq	
	Second dose	3 ml	4 ml	5 ml	6 ml	8 ml	10 ml	12 ml	15 ml	19 ml	24 ml	30 ml	



PEDIATRIC GCS	Infant	Score	Child	Score
Motor response	Spontaneous movements	6	Obeys commands	6
	Withdraws to touch	5	Localizes	5
	Withdraws to pain	4	Withdraws to pain	4
	Flexion	3	Flexion	3
	Extension	2	Extension	2
	No response	1	No response	1
Verbal response	Coos and babbles	5	Oriented	5
	Irritable cry	4	Confused	4
	Cries to pain	3	Inappropriate	3
	Moans to pain	2	Incomprehensible	2
	No response	1	No response	1
Eye response	Opens spontaneously	4	Opens spontaneously	4
	Opens to sound	3	Opens to sound	3
	Opens to pain	2	Opens to pain	2
	No response	1	No response	1

FLACC Scale		0	1	2
1	Face	No particular expression or smile, eye contact and interest in surroundings	Occasional grimace or frown, withdrawn, disinterested, worried look to face, eyebrows lowered, eyes partially closed, cheeks raised, mouth pursed	Frequent to constant frowning, clenched jaw, quivering chin, deep furrows on forehead, eyes closed, mouth opened, deep lines around nose/lips
2	Legs	Normal position or relaxed	Uneasy, restless, tense, increased tone, rigidity, intermittent flexion/extension of limbs	Kicking or legs drawn up, hypertonicity, exaggerated flexion/extension of limbs, tremors
3	Activity	Lying quietly, normal position, moves easily and freely	Squirming, shifting, back and forth, tense, hesitant to move, guarding, pressure on body part	Arched, rigid, or jerking, fixed position, rocking, side to side head movement, rubbing of body part
4	Cry	No cry or moan (awake or asleep)	Moans or whimpers, occasional cries, sighs, occasional complaint	Crying steadily, screams, sobs, moans, grunts, frequent complaints
5	Consolability	Calm, content, relaxed, does not require consoling	Reassured by occasional touching, hugging, or talking to, distractable	Difficult to console or comfort

JumpSTART Triage	Label
Move the walking wounded	<b>MINOR</b>
Apneic and no pulse after head tilt	<b>DECEASED</b>
Apneic with pulse after 5 rescue breaths	
Respirations after head tilt or 5 rescue breaths	<b>IMMEDIATE</b>
<b>R</b> espirations	
Less than 15 or over 45 per minute	<b>IMMEDIATE</b>
<b>P</b> erfusion	
Less than 15 or over 45 per minute	<b>IMMEDIATE</b>
<b>M</b> ental status	
AVPU: <b>P</b> inappropriate or <b>U</b>	<b>IMMEDIATE</b>
All others: <b>A</b> , <b>V</b> or <b>P</b> appropriate	<b>DELAYED</b>

APGAR Scoring				
Indicator		0 Points	1 Point	2 Points
<b>A</b>	Activity (muscle tone)	Absent	Flexed arms and legs	Active
<b>P</b>	Pulse	Absent	Below 100 bpm	Over 100 bpm
<b>G</b>	Grimace (reflex irritability)	Floppy	Minimal response to stimulation	Prompt response to stimulation
<b>A</b>	Appearance (skin color)	Blue; pale	Pink body, blue extremities	Pink
<b>R</b>	Respiration	Absent	Slow and irregular	Vigorous cry

Choose a number from 0 to 10 that best describes your pain  
Escoja un número del 0 al 10 que mejor describa su dolor

