

2019 Version San Mateo County EMS Pediatric Reference												
INFO	Length based weight → (measure crown to heel)	3 kg	4kg	5kg	6-7 kg	8-9 kg	10-11 kg	12-14 kg	15-18 kg	19-22 kg	24-28 kg	30-36 kg
	Broselow Color	Grey			Pink	Red	Purple	Yellow	White	Blue	Orange	Green
VITALS	Normal Resp. Rate	40-60	30-50	30-50	30-45	25-35	20-30	20-30	20-30	18-24	18-22	16-20
	Heart Rate – Per Min	110-150			110-150	80-150	80-125	75-115	65-115	60-110	60-110	60-110
BLS AIRWAY	Systolic Blood Pressure mmHg	>60	>65	>70	>75	>95	>95	>95	>95	>100	>100	>100
	Treatable Hypoglycemia **NEONATE	** <40mg/dL <60mg/dL		<60mg/dL	<60mg/dL	<60mg/dL	<60mg/dL	<60mg/dL	<60mg/dL	<60mg/dL	<60mg/dL	<60mg/dL
ELECTRICITY	BVM	Infant			Infant	Infant	Child	Child	Child	Child	Child/Adult	Adult
	OPA	40 mm	50 mm	50 mm	50 mm	50mm	60 mm	60 mm	60 mm	70 mm	80 mm	80 mm
	NPA	14 f			14 f	14 f	18 f	20 f	22 f	24 f	26 f	30 f
	Laryngoscope Blade Size and straight or curved	1 S			1 S	1 S	1 S	1-2 S	2 S or C	2 S or C	2 S or C	3 S or C
	Defibrillation 2 J/kg, Double 2nd & 3rd	6→12	8→15	10→20	15→30	20→50	20→50	30→50	30→70	50→100	50→100	70→150
Cardioversion 1 J/kg, Double 2nd & 3rd	3→6	4→8	5→10	7→15	9→20	10→20	15→30	15→50	20→50	30→50	30→70	

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	Broselow Color	Grey			Pink	Red	Purple	Yellow	White	Blue	Orange	Green
MEDICATIONS	Adenosine (Adenocard) RIVP 0.1 mg/kg Dose 6 mg/2 ml Supply Second dose →	0.3 mg	0.4 mg	0.5 mg	0.65 mg	0.85mg	1 mg	1.3 mg	1.7 mg	2.1 mg	2.7 mg	3.3 mg
		0.1 ml	0.13ml	0.17 ml	0.22 ml	0.28 ml	0.33 ml	0.43 ml	0.57 ml	0.7 ml	0.9 ml	1.1 ml
MEDICATIONS	Albuterol 0.1 mg/kg 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
	Diphenhydramine (Benadryl) IV/IO/IM 1 mg/kg Dose 50 mg/1ml Supply	Pediatric Base Hospital Order			6.5 mg	8.5 mg	10 mg	13 mg	17 mg	21 mg	27 mg	33 mg
MEDICATIONS	Calcium Chloride 10 % SIVP 20 mg/kg Dose 1 gm/10 ml Supply Pediatric Base Hospital Order	60 mg	80 mg	100 mg	130 mg	170 mg	210 mg	260 mg	330 mg	420 mg	530 mg	660 mg
		0.6 ml	0.8 ml	1.0 ml	1.3 ml	1.7 ml	2.1 ml	2.6 ml	3.3 ml	4.2 ml	5.3 ml	6.6 ml
MEDICATIONS	Dextrose 10% 0.5 gm/kg Dose 1 st dose ∞D10W = 1gm/10ml	1.5 gm	2 gm	2.5 gm	3.25 gm	4.25gm	5.25gm	6.5 gm	8.25 gm	10.5 gm	13.3 gm	16.5 gm
		15 ml	20 ml	25 ml	32 ml	42 ml	52 ml	65 ml	82 ml	100 ml	100 ml	100 ml

MEDICATIONS	Epinephrine 1:10,000 IV/IO 0.01 mg/kg Dose 1 mg/10 ml Supply	0.03mg	0.04mg	0.05 mg	0.065 mg	0.085mg	0.1 mg	0.13 mg	0.17 mg	0.21 mg	0.27 mg	0.33 mg
		0.3 ml	0.4 ml	0.5 ml	0.65 ml	0.85 ml	1.0 ml	1.3 ml	1.7 ml	2.1 ml	2.7 ml	3.3 ml
MEDICATIONS	Epinephrine 1:1000 IM For IM – Allergic Reaction/Resp Distress only 1 mg/1ml Supply	0.1 mg	0.1 mg	0.1 mg	0.1 mg	0.1 mg	0.1 mg	0.1 mg	0.1 mg	0.2 mg	0.2 mg	0.3 mg
		0.1 ml	0.1 ml	0.1 ml	0.1 ml	0.1 ml	0.1 ml	0.1 ml	0.1 ml	0.2 ml	0.2 ml	0.3 ml
MEDICATIONS	Glucagon IM 0.5 mg/dose 2-18kg 1 mg/dose >18kg 1 mg/1 ml NS Supply	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
		0.5 ml	0.5 ml	0.5 ml	0.5 ml	0.5 ml	0.5 ml	0.5 ml	0.5 ml	1.0 ml	1.0 ml	1.0 ml
MEDICATIONS	Lidocaine 2% IV/IO 1 mg/kg Dose 100 mg/5 ml Supply	3 mg	4 mg	5 mg	6.5 mg	8.5 mg	10 mg	13 mg	17 mg	20 mg	28 mg	33 mg
		0.15ml	0.2 ml	0.25ml	0.33 ml	0.43 ml	0.5 ml	0.65 ml	0.85 ml	1.0 ml	1.4 ml	1.7 ml
MEDICATIONS	For IO Pain Management IO 0.5mg/kg Dose 100 mg/5 ml Supply	1.5 mg	2.0 mg	2.5 mg	3.2 mg	4.2 mg	5.0 mg	6.5 mg	8.5 mg	10 mg	14 mg	16.5 mg
		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
MEDICATIONS	Fentanyl IV/IO 1mcg/kg May repeat 5 min apart not to exceed max dose of 3 mcg/kg	Pediatric Base Hospital Order				8.5 mcg	10 mcg	13 mcg	17 mcg	20 mcg	26 mcg	33 mcg
		Pediatric Base Hospital Order				0.17 ml	0.2 ml	0.26 ml	0.34 ml	0.4 ml	0.52 ml	0.66 ml
MEDICATIONS	IN 2mcg/kg, half dose in each nare, one dose only	Pediatric Base Hospital Order				17 mcg	20 mcg	26 mcg	34 mcg	40 mcg	52 mcg	66 mcg
		Pediatric Base Hospital Order				0.34 ml	0.4 ml	0.52 ml	0.68 ml	0.8 ml	1.00 ml	1.32 ml
MEDICATIONS	IM 1mcg/kg May repeat 10 mins x 1 not to exceed max dose of 3 mcg/kg	Pediatric Base Hospital Order				8.5 mcg	10 mcg	13 mcg	17 mcg	20 mcg	26 mcg	33 mcg
		Pediatric Base Hospital Order				0.17 ml	0.2 ml	0.26 ml	0.34 ml	0.4 ml	0.52 ml	0.66 ml

MEDICATIONS	Normal Saline 20 mL/kg 10 mL/kg (Grev)**	30ml**	40ml**	50ml**	130 ml	170ml	210 ml	260 ml	325 ml	420 ml	530 ml	660ml
	Naloxone (Narcan) IV/IO: 2 mg/2 mL Supply IN: 2 mg/2 mL Supply; ½ dose in each nostril	0.3 mg	0.4 mg	0.5 mg	0.64 mg	0.85 mg	1.0 mg	1.3 mg	1.6 mg	2.0 mg	2.0 mg	2.0 mg
MEDICATIONS	Sodium Bicarbonate 1mEq/kg Dose 8.4% 50mEq/50mL Pediatric Base Hospital Order	Hold if < 5kg		5 mEq	6.5mEq	8.5mEq	10 mEq	13 mEq	16.5 mEq	21 mEq	27 mEq	33 mEq
		Hold if < 5kg		5.0 ml	6.5 ml	8.5 ml	10 ml	13 ml	16.5 ml	21 ml	27 ml	33 ml
MEDICATIONS	Midazolam (Versed) 0.1 mg/kg Dose IM/IV/IO 10 mg/2 mL Supply May repeat x1	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	2.6 mg	3.2 mg
		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	0.52 ml	0.64 ml
MEDICATIONS	Midazolam (Versed) 0.2 mg/kg Dose IN 10 mg/2 mL Supply; ½ dose in each nostril May repeat x1	0.6mg	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
		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
MEDICATIONS	Ondansetron (Zofran) ½ tab for 2 mg 4 mg tablet or IV 4mg/2 ml	Pediatric Base Hospital Order if <2 years				Age 2 – 3 years Give 2 mg ODT or slow IVP			Age 4 and up Give 4 mg ODT or slow IVP			
		Pediatric Base Hospital Order if <2 years				Age 2 – 3 years Give 2 mg ODT or slow IVP			Age 4 and up Give 4 mg ODT or slow IVP			

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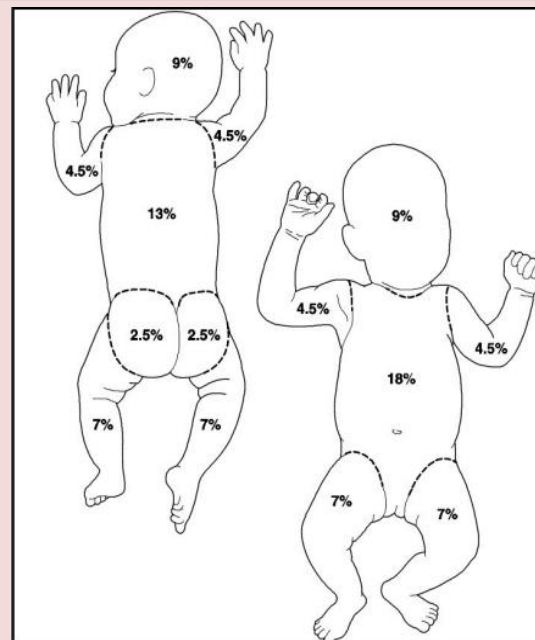


Stanford Pediatric Base Station
(650) 723-5032

JumpSTART Mass Casualty Triage (pediatric)		
Move the walking wounded	→	MINOR
R ESPIRATIONS		
No respirations No peripheral pulse	→	DEAD
No respirations With peripheral pulse <i>Give 5 breaths with barrier</i>		
Respirations resume	→	IMMEDIATE
No spontaneous respirations	→	DEAD
Respirations labored Respirations > 45 or <15 per minute	→	IMMEDIATE
P ERFUSION		
No peripheral pulse Cap refill >2 sec	→	IMMEDIATE
M ENTAL STATUS (AVPU)		
AV	→	DELAYED
PU	→	IMMEDIATE

FLACC SCALE – (Face, Legs, Activity, Cry, Consolability)			
Instructions: Rate patient in each of the five measurement categories. Add together to determine total pain score			
	0	1	2
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 frown, clenched jaw, quivering chin, deep furrows on forehead, eyes closed, mouth opened, deep lines around nose/lips
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
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
CRY	No cry or moan (awake or asleep)	Moans or whimpers, occasional cries, sighs, occasional complaint	Crying steadily, screams, sobs, moans, grunts, frequent complaints
CONSOLABILITY	Calm, content, relaxed, does not require consoling	Reassured by occasional touching, hugging, or talking to, distractible	Difficult to console or comfort

PEDIATRIC GLASGOW COMA SCALE (PGCS)				
	> 1 Year	< 1 Year	Score	
EYE OPENING	Spontaneously	Spontaneously	4	
	To verbal command	To shout	3	
	To pain	To pain	2	
	No response	No response	1	
MOTOR RESPONSE	Obeys	Spontaneous	6	
	Localizes pain	Localizes pain	5	
	Flexion-withdrawal	Flexion-withdrawal	4	
	Flexion-abnormal (decorticate rigidity)	Flexion-abnormal (decorticate rigidity)	3	
	Extension (decerebrate rigidity)	Extension (decerebrate rigidity)	2	
	No response	No response	1	
VERBAL RESPONSE	> 5 Years	2-5 Years	0-23 months	
	Oriented	Appropriate words/phrases	Smiles/coos appropriately	5
	Disoriented/confused	Inappropriate words	Cries and is consolable	4
	Inappropriate words	Persistent cries and screams	Persistent inappropriate crying and/or screaming	3
	Incomprehensible sounds	Grunts	Grunts, agitated, and restless	2
	No response	No response	No response	1
TOTAL PEDIATRIC GLASGOW COMA SCORE (3-15):				



Wong-Baker FACES™ Pain Rating Scale

0
No Hurt

2
Hurts Little Bit

4
Hurts Little More

6
Hurts Even More

8
Hurts Whole Lot

10
Hurts Worst

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	Sign	0 Points	1 Point	2 Points
A	Activity (Muscle Tone)	Absent	Arms & Legs flexed	Active movement
P	Pulse Rate	Absent	Below 100 bpm	Above 100 bpm
G	Grimace (Reflex Irritability)	No response	Grimace	Sneeze, cough, pulls away
A	Appearance	Blue-gray, pale all over	Normal except for extremities	Normal over entire body
R	Respirations	Absent	Slow, irregular	Good, crying