

2018 Version San Mateo County EMS Pediatric Reference												
INFO VITALS BLS AIRWAY ELECTRICITY	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
	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
	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
	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
	Adenosine (Adenocard) RIVP 0.1 mg/kg Dose 6 mg/2 ml Supply Second dose →	0.3 mg 0.1 ml	0.4 mg 0.13ml	0.5 mg 0.17 ml	0.65 mg 0.22 ml	0.85mg 0.28 ml	1 mg 0.33 ml	1.3 mg 0.43 ml	1.7 mg 0.57 ml	2.1 mg 0.7 ml	2.7 mg 0.9 ml	3.3 mg 1.1 ml
	Albuterol 0.1 mg/kg Dose	1.25 mg	1.25 mg	1.25 mg	1.25 mg	1.25 mg	1.25 mg	2.5 mg	2.5 mg	2.5 mg	2.5 mg	2.5 mg
	Benadryl (Diphenhydramine) IV/IO/IM 1 mg/kg Dose 50 mg/1ml Supply	Pediatric Base Hospital Order			6.5 mg 0.13 mL	8.5 mg 0.17ml	10 mg 0.2 ml	13 mg 0.26ml	17 mg 0.34 ml	21 mg 0.42 ml	27 mg 0.54 ml	33 mg 0.66 ml
	Calcium Chloride 10 % SIVP 20 mg/kg Dose 1 gm/10 ml Supply Pediatric Base Hospital Order	60 mg 0.6 ml	80 mg 0.8 ml	100 mg 1.0 ml	130 mg 1.3 ml	170 mg 1.7 ml	210 mg 2.1 ml	260 mg 2.6 ml	330 mg 3.3 ml	420 mg 4.2 ml	530 mg 5.3 ml	660 mg 6.6 ml
	Dextrose 10% 0.5 gm/kg Dose 1 st dose ∞D10W = 1gm/10ml	1.5 gm 15 ml	2 gm 20 ml	2.5 gm 25 ml	3.25 gm 32 ml	4.25gm 42 ml	5.25gm 52 ml	6.5 gm 65 ml	8.25 gm 82 ml	10.5 gm 100 ml	13.3 gm 100 ml	16.5 gm 100 ml

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	Broselow Color	Grey			Pink	Red	Purple	Yellow	White	Blue	Orange	Green
	Epinephrine 1:10,000 IV/IO 0.01 mg/kg Dose 1 mg/10 ml Supply	0.03mg 0.3 ml	0.04mg 0.4 ml	0.05 mg 0.5 ml	0.065 mg 0.65 ml	0.085mg 0.85 ml	0.1 mg 1.0 ml	0.13 mg 1.3 ml	0.17 mg 1.7 ml	0.21 mg 2.1 ml	0.27 mg 2.7 ml	0.33 mg 3.3 ml
	Epinephrine 1:1000 IM For IM – Allergic Reaction/Resp Distress only 1 mg/1ml Supply	0.1 mg 0.1 ml	0.1 mg 0.1 ml	0.1 mg 0.1 ml	0.1 mg 0.1 ml	0.1 mg 0.1 ml	0.1 mg 0.1 ml	0.1 mg 0.1 ml	0.1 mg 0.1 ml	0.2 mg 0.2 ml	0.2 mg 0.2 ml	0.3 mg 0.3 ml
	Glucagon IM 0.5 mg/dose 2-18kg 1 mg/dose >18kg 1 mg/1 ml NS Supply	0.5 mg 0.5 ml	0.5 mg 0.5 ml	0.5 mg 0.5 ml	0.5 mg 0.5 ml	0.5 mg 0.5 ml	0.5 mg 0.5 ml	0.5 mg 0.5 ml	0.5 mg 0.5 ml	1 mg 1.0 ml	1 mg 1.0 ml	1 mg 1.0 ml
	Lidocaine 2% IV/IO 1 mg/kg Dose 100 mg/5 ml Supply	3 mg 0.15ml	4 mg 0.2 ml	5 mg 0.25ml	6.5 mg 0.33 ml	8.5 mg 0.43 ml	10 mg 0.5 ml	13 mg 0.65 ml	17 mg 0.85 ml	20 mg 1.0 ml	28 mg 1.4 ml	33 mg 1.7 ml
	For IO Pain Management IO 0.5mg/kg Dose 100 mg/5 ml Supply	1.5 mg 0.07 ml	2.0 mg 0.1 ml	2.5 mg 0.12 ml	3.2 mg 0.16 ml	4.2 mg 0.21 ml	5.0 mg 0.25 ml	6.5 mg 0.32 ml	8.5 mg 0.42 ml	10 mg 0.5 ml	14 mg 0.7 ml	16.5 mg 0.82 ml
	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 0.17 ml	10 mcg 0.2 ml	13 mcg 0.26 ml	17 mcg 0.34 ml	20 mcg 0.4 ml	26 mcg 0.52 ml	33 mcg 0.66 ml
	IN 2mcg/kg, half dose in each nare, one dose only	Pediatric Base Hospital Order				17 mcg 0.34 ml	20 mcg 0.4 ml	26 mcg 0.52 ml	34 mcg 0.68 ml	40 mcg 0.8 ml	52 mcg 1.00 ml	66 mcg 1.32 ml
	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 0.17 ml	10 mcg 0.2 ml	13 mcg 0.26 ml	17 mcg 0.34 ml	20 mcg 0.4 ml	26 mcg 0.52 ml	33 mcg 0.66 ml

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	Broselow Color	Grey			Pink	Red	Purple	Yellow	White	Blue	Orange	Green
	Normal Saline 20 mL/kg 10 mL/kg (Grey)**	30ml**	40ml**	50ml**	130 ml	170ml	210 ml	260 ml	325 ml	420 ml	530 ml	660ml
	Narcan (Naloxone) IV/IO: 2 mg/2 mL Supply IN: 2 mg/2 mL Supply, ½ dose in each nostril	0.3 mg 0.3 ml	0.4 mg 0.4 ml	0.5 mg 0.5 ml	0.64 mg 0.64 ml	0.85 mg 0.85 ml	1.0 mg 1.0 ml	1.3 mg 1.3 ml	1.6 mg 1.6 ml	2.0 mg 2.0 ml	2.0 mg 2.0 ml	2.0 mg 2.0 ml
	Sodium Bicarbonate 1mEq/kg Dose 8.4% 50mEq/50mL Pediatric Base Hospital Order	Hold if < 5kg		5 mEq 5.0 ml	6.5mEq 6.5 ml	8.5mEq 8.5 ml	10 mEq 10 ml	13 mEq 13 ml	16.5 mEq 16.5 ml	21 mEq 21 ml	27 mEq 27 ml	33 mEq 33 ml
	Versed (Midazolam) 0.05 mg/kg Dose IV/IO/IN 2 mg/2 mL Supply	0.15mg 0.15 ml	0.2 mg 0.2 ml	0.25 mg 0.25 ml	0.35 mg 0.35 ml	0.45 mg 0.45 ml	0.55 mg 0.55 ml	0.7 mg 0.7 ml	0.85 mg 0.85 ml	1.05 mg 1.05 ml	1.35 mg 1.35 ml	1.65 mg 1.65 ml
	Zofran (Ondansetron) 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			

2018 San Mateo County EMS System Pediatric Reference



Stanford Pediatric Base Station
650-723-5032

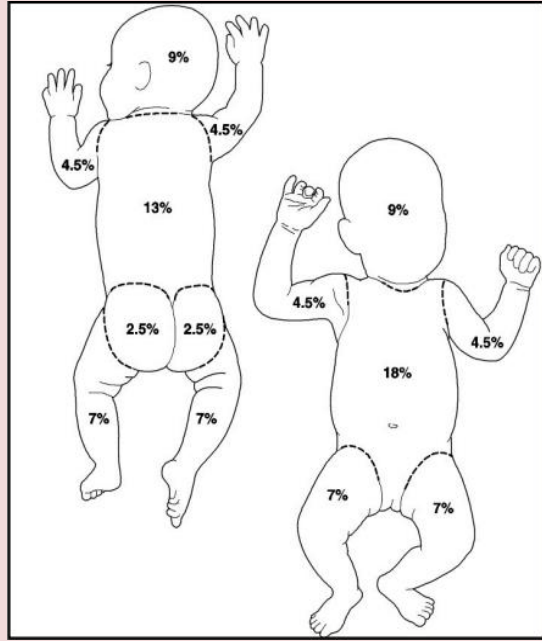
JumpSTART Mass Casualty Triage (pediatric)		
Move the walking wounded	→	MINOR
R ESPIRATIONS		
No respirations No peripheral pulse	→	DEAD
No respirations With peripheral pulse <i>Give 5 breaths with barrier</i>		
Respirations resume	→	IMMEDIATE
No spontaneous respirations	→	DEAD
Respirations labored Respirations > 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