

Pediatric Color Zone GRAY 4 kg

Approximate Weight (kg)	4 kg
Approximate Age	Newborn
Heart Rate	100 - 160
Respiratory Rate	30 - 60
Minimum SBP	> 50
ETT (UN cuffed)	3
Suction Catheter	6 Fr
NG / Foley	6 Fr
Chest Tube	10-12 Fr
Central Venous Line	3.5 - 5 Fr UVC
Vent Settings - Rate	24 - 30
Vent Settings - VT (8 mL/kg)	32
C-Collar	P-0

ALL DOSES BELOW ARE IN ML

Maintenance Fluids (mL/hr)	16
Atropine (0.1 mg/L) Dose: 0.01 mg/kg; min dose 0.1 mg	1
Dextrose 10% Dose: 2mL/kg	8
Epinephrine IV 1:10,000 = 0.1 mg/mL Dose: 0.01 mg/kg	0.4
Fentanyl IV (50 mcg/mL) Dose: 1 mcg/kg	0.08
Fosphenytoin (50 mg/mL PE eq load) Dose: 20 mg/kg	1.6
Lorazepam (2 mg/mL) Dose: 0.1 mg/kg	0.2
Mannitol (20% in 250mL = 0.2 gm/mL) Dose: 1 gm/kg	20
Midazolam (1 mg/mL) Dose: 0.02 mg/kg	0.08
Morphine (2 mg/mL) Dose: 0.1 mg/kg	0.2
Naloxone (400 mcg/mL; dilute 9mL NS= 40 mcg/mL) Dose: 1 mcg/kg	0.1
Phenobarbital (130 mg/ml) Dose: 20 mg/kg load	0.6
LR/NS Fluid 20 mL/kg bolus	Fentanyl 1 – 3 mcg/kg/hr
PRBC 10 mL/kg 1 unit =350 mL	Insulin 0.1 – 0.3 unit/kg/hr
Defibrillation 2 J/kg (2 nd shock 4J/kg)	Lorazepam 10 - 40 mcg/kg/hr
Cardioversion 0.5 – 1 J/kg	Midazolam 50 – 100 mcg/kg/hr
	Morphine 10 – 100 mcg/kg/hr
Dexmedetomidine 0.2 – 0.7 mcg/kg/hr	Norepinephrine 0.05 - 1 mcg/kg/min
Dobutamine 2 - 20 mcg/kg/min	Phenylephrine 0.05 - 1 mcg/kg/min
Dopamine 2 - 20 mcg/kg/min	Propofol 20 - 50 mcg/kg/min
Epinephrine 0.05 - 5 mcg/kg/min	Vecuronium 1 - 3 mcg/kg/min (bolus 0.1mg/kg)

Pediatric Color Zone PINK 6 kg

Approximate Weight (kg)	6
Approximate Age	4 months
Heart Rate	100 - 160
Respiratory Rate	30 - 60
Minimum SBP	>70
ETT (cuffed)	3.5
Suction Catheter	8 Fr
NG / Foley	8 Fr
Chest Tube	10-12 Fr
Central Venous Line	4 Fr
Vent Settings - Rate	20 - 25
Vent Settings - VT (8 mL/kg)	48
C-Collar	P-0

ALL DOSES BELOW ARE IN ML

Maintenance Fluids (mL/hr)	25
Atropine(0.1 mg/ml) Dose: (0.01 mg/kg) min dose 0.1 mg	1
Dextrose 10% Dose: 2 mL/kg	12
Epinephrine IV 1:10,000 (0.1 mg/ml) Dose: 0.01 mg/kg	0.6
Fentanyl (50 mcg/ml) Dose: 1 mcg/kg	0.1
Fosphenytoin (50 mg/ml PE eq load) Dose: 20 mg/kg	2.4
Lorazepam (2 mg/ml) Dose: 0.1 mg/kg	0.3
Mannitol 20% in 250ml (0.2 gm/ml) Dose: 1 gm/kg	30
Midazolam (1 mg/ml) Dose: 0.02 mg/kg	0.1
Morphine (2 mg/ml) Dose: 0.1 mg/kg	0.3
Naloxone (400 mcg/ml) Dose: 1 mcg/kg	0.1
Phenobarbital IV (130 mg/ml) Dose: 20 mg/kg load	0.9

Infusion Reference Ranges

LR/NS Fluid	20 mL/kg bolus	Fentanyl	1 – 3 mcg/kg/hr
PRBC	10 mL/kg 1 unit =350 mL	Insulin	0.1 – 0.3 unit/kg/hr
Defibrillation	2 J/kg (2 nd shock 4J/kg)	Lorazepam	10 – 40 mcg/kg/hr
Cardioversion	0.5 – 1 J/kg	Midazolam	50 – 100 mcg/kg/hr
		Morphine	10 – 100 mcg/kg/hr
Dexmedetomidine	0.2 – 0.7 mcg/kg/hr	Norepinephrine	0.05 - 1 mcg/kg/min
Dobutamine	2 - 20 mcg/kg/min	Phenylephrine	0.05 - 1 mcg/kg/min
Dopamine	2 - 20 mcg/kg/min	Propofol	20 - 50 mcg/kg/min
Epinephrine	0.05 - 5 mcg/kg/min	Vecuronium	1 - 3 mcg/kg/min (bolus 0.1mg/kg)

Pediatric Color Zone RED 8kg

Approximate Weight (kg)	8 kg
Approximate Age	8 months
Heart Rate	100 - 160
Respiratory Rate	30 - 60
Minimum SBP	> 70
ETT (cuffed)	3.5
Suction Catheter	8 Fr
NG / Foley	8 Fr
Chest Tube	10-12 Fr
Central Venous Line	4 Fr
Vent Settings - Rate	20 - 25
Vent Settings - VT (8 mL/kg)	64
C-Collar	P-1

ALL DOSES BELOW ARE IN ML

Maintenance Fluids (mL/hr)	35
Atropine (0.1 mg/L) Dose: 0.01 mg/kg; min dose 0.1 mg	1
Dextrose 10% Dose: 2mL/kg	16
Epinephrine IV 1:10,000 = 0.1 mg/mL Dose: 0.01 mg/kg	0.8
Fentanyl IV (50 mcg/mL) Dose: 1 mcg/kg	0.2
Fosphenytoin (50 mg/mL PE eq load) Dose: 20 mg/kg	3.2
Lorazepam (2 mg/mL) Dose: 0.1 mg/kg	0.4
Mannitol (20% in 250mL = 0.2 gm/mL) Dose: 1 gm/kg	40
Midazolam (1 mg/mL) Dose: 0.02 mg/kg	0.2
Morphine (2 mg/mL) Dose: 0.1 mg/kg	0.4
Naloxone (400 mcg/mL; dilute 9mL NS= 40 mcg/mL) Dose: 1 mcg/kg	0.2
Phenobarbital (130 mg/ml) Dose: 20 mg/kg load	1.2
LR/NS Fluid 20 mL/kg bolus	Fentanyl 1 – 3 mcg/kg/hr
PRBC 10 mL/kg 1 unit =350 mL	Insulin 0.1 – 0.3 unit/kg/hr
Defibrillation 2 J/kg (2 nd shock 4J/kg)	Lorazepam 10 - 40 mcg/kg/hr
Cardioversion 0.5 – 1 J/kg	Midazolam 50 – 100 mcg/kg/hr
	Morphine 10 – 100 mcg/kg/hr
Dexmedetomidine 0.2 – 0.7 mcg/kg/hr	Norepinephrine 0.05 - 1 mcg/kg/min
Dobutamine 2 - 20 mcg/kg/min	Phenylephrine 0.05 - 1 mcg/kg/min
Dopamine 2 - 20 mcg/kg/min	Propofol 20 - 50 mcg/kg/min
Epinephrine 0.05 - 5 mcg/kg/min	Vecuronium 1 - 3 mcg/kg/min (bolus 0.1mg/kg)

Pediatric Color Zone Purple 10 kg

Approximate Weight (kg)	10 kg
Approximate Age	1 year
Heart Rate	90 - 150
Respiratory Rate	24 - 40
Minimum SBP	> 70
ETT (cuffed)	3.5
Suction Catheter	8 Fr
NG / Foley	10 Fr
Chest Tube	16 – 20 Fr
Central Venous Line	4 Fr
Vent Settings - Rate	15 - 25
Vent Settings - VT (8 mL/kg)	80
C-Collar	P-1

ALL DOSES BELOW ARE IN ML

Maintenance Fluids (mL/hr)	40
Atropine (0.1 mg/mL) Dose: 0.01 mg/kg : min dose 0.1 mg	1
Dextrose 10% Dose: 2mL/kg	20
Epinephrine (1:10,000 = 0.1 mg/mL) Dose: 0.01 mg/kg	1
Fentanyl IV (50 mcg/mL) Dose: 1 mcg/kg	0.2
Fosphenytoin (50 mg/mL PE eq load) Dose: 20 mg/kg	4
Lorazepam (2 mg/mL) Dose: 0.1 mg/kg	0.5
Mannitol ((20% in 250mL = 0.2 gm/mL) Dose: 1gm/kg	50
Midazolam (1 mg/mL) Dose: 0.02 mg/kg	0.2
Morphine (2 mg/mL) Dose: 0.1 mg/kg	0.5
Naloxone (400 mcg/mL: dilute 9 mL NS= 40 mg/mL) Dose: 1 mcg/kg	0.2
Phenobarbital (130 mg/mL) Dose: 20 mg/kg	1.5

Infusion Reference Ranges

LR/NS Fluid	20 mL/kg bolus	Fentanyl	1 – 3 mcg/kg/hr
PRBC	10 mL/kg 1 unit =350 mL	Insulin	0.1 – 0.3 unit/kg/hr
Defibrillation	2 J/kg (2 nd shock 4J/kg)	Lorazepam	10 - 40 mcg/kg/hr
Cardioversion	0.5 – 1 J/kg	Midazolam	50 – 100 mcg/kg/hr
		Morphine	10 – 100 mcg/kg/hr
Dexmedetomidine	0.2 – 0.7 mcg/kg/hr	Norepinephrine	0.05 - 1 mcg/kg/min
Dobutamine	2 - 20 mcg/kg/min	Phenylephrine	0.05 - 1 mcg/kg/min
Dopamine	2 - 20 mcg/kg/min	Propofol	20 - 50 mcg/kg/min
Epinephrine	0.05 - 5 mcg/kg/min	Vecuronium	1 - 3 mcg/kg/min(bolus 0.1mg/kg)

Pediatric Color Zone YELLOW 13 kg

Approximate Weight (kg)	13 kg
Approximate Age	2 years
Heart Rate	90 - 150
Respiratory Rate	24 - 40
Minimum SBP	> 74
ETT (cuffed)	4
Suction Catheter	10 Fr
NG / Foley	10 Fr
Chest Tube	20 – 24 Fr
Central Venous Line	5 Fr
Vent Settings - Rate	15 - 25
Vent Settings- VT (8 mL/kg)	104
C-Collar	P-1

ALL DOSES BELOW ARE IN ML

Maintenance Fluids (mL/hr)	45
Atropine (0.1 mg/mL) Dose: 0.01 mg/kg; min dose 0.1 mg	1.3
Dextrose 10% Dose: 2 mL/kg	26
Epinephrine(1:10,000 = 0.1 mg/mL) Dose: 0.01 mg/kg	1.3
Fentanyl IV (50 mcg/mL) Dose: 1 mcg/kg	0.3
Fosphenytoin (50 mg/mL PE eq load) Dose: 20 mg/kg	5.2
Lorazepam (2 mg/mL) Dose: 0.1 mg/kg	0.6
Mannitol (20% in 250mL = 0.2 gm/mL) Dose: 1 gm/kg	65
Midazolam (1 mg/mL) Dose: 0.02 mg/kg	0.3
Morphine (2 mg/mL) Dose: 0.1 mg/kg	0.6
Naloxone (400mcg/mL; dilute 9 mL NS=40 mcg/mL) Dose: 1 mcg/kg	0.3
Phenobarbital (130 mg/mL) Dose:20 mg/kg	2

Infusion Reference Ranges

LR/NS Fluid	20 mL/kg bolus	Fentanyl	1 – 3 mcg/kg/hr
PRBC	10 mL/kg 1 unit =350 mL	Insulin	0.1 – 0.3 unit/kg/hr
Defibrillation	2 J/kg (2 nd shock 4J/kg)	Lorazepam	10 - 40 mcg/kg/hr
Cardioversion	0.5 – 1 J/kg	Midazolam	50 – 100 mcg/kg/hr
		Morphine	10 – 100 mcg/kg/hr
Dexmedetomidine	0.2 – 0.7 mcg/kg/hr	Norepinephrine	0.05 - 1 mcg/kg/min
Dobutamine	2 - 20 mcg/kg/min	Phenylephrine	0.05 - 1 mcg/kg/min
Dopamine	2 - 20 mcg/kg/min	Propofol	20 - 50 mcg/kg/min
Epinephrine	0.05 - 5 mcg/kg/min	Vecuronium	1 - 3 mcg/kg/min (bolus 0.1mg/kg)

Pediatric Color Zone WHITE 15-18 kg

Approximate Weight (kg)	16 kg
Approximate Age	4 years
Heart Rate	80 - 140
Respiratory Rate	22 – 34
Minimum SBP	➤ 78
ETT (cuffed)	4.5
Suction Catheter	10 Fr
NG / Foley	10 Fr
Chest Tube	20 - 24 Fr
Central Venous Line	5 Fr
Vent Settings - Rate	15 - 25
Vent Settings - VT (8 mL/kg)	128
C-Collar	P-2

ALL DOSES BELOW ARE IN ML

Maintenance Fluids (mL/hr)	55
Atropine (0.1 mg/mL) Dose: 0.01 mg/kg; min dose 0.1 mg	1.6
Dextrose 10% Dose: 2 mL/kg	32
Epinephrine (1:10,000 = 0.1 mg/mL) Dose: 0.01 mg/kg	1.6
Fentanyl (50 mcg/mL) Dose: 1 mcg/kg	0.3
Fosphenytoin (50 mg/mL PE eq) Dose: 20 mg/kg	6.4
Lorazepam (2 mg/mL) Dose: 0.1 mg/kg	0.8
Mannitol (20% in 250mL = 0.2 gm/mL) Dose: 1 gm/kg	80
Midazolam (1 mg/mL) Dose: 0.02 mg/kg	0.3
Morphine (2 mg/mL) Dose: 0.1 mg/kg	0.8
Naloxone (400 mcg/mL; dilute 9 mL NS=40 mcg/mL) Dose: 1 mcg/kg	0.4
Phenobarbital (130 mg/mL) Dose: 20 mg/kg	2.5

Infusion Reference Ranges

LR/NS Fluid	20 mL/kg bolus	Fentanyl	1 – 3 mcg/kg/hr
PRBC	10 mL/kg 1 unit =350 mL	Insulin	0.1 – 0.3 unit/kg/hr
Defibrillation	2 J/kg (2 nd shock 4J/kg)	Lorazepam	10 - 40 mcg/kg/hr
Cardioversion	0.5 – 1 J/kg	Midazolam	50 – 100 mcg/kg/hr
		Morphine	10 – 100 mcg/kg/hr
Dexmedetomidine	0.2 – 0.7 mcg/kg/hr	Norepinephrine	0.05 - 1 mcg/kg/min
Dobutamine	2 - 20 mcg/kg/min	Phenylephrine	0.05 - 1 mcg/kg/min
Dopamine	2 - 20 mcg/kg/min	Propofol	20 - 50 mcg/kg/min
Epinephrine	0.05 - 5 mcg/kg/min	Vecuronium	1 - 3 mcg/kg/min (bolus 0.1mg/kg)

Pediatric Color Zone BLUE 20 kg

Approximate Weight (kg)	20
Approximate Age	6 year
Heart Rate	70 - 120
Respiratory Rate	18 – 30
Minimum SBP	> 82
ETT (cuffed)	5
Suction Catheter	10 Fr
NG / Foley	12 Fr
Chest Tube	24– 32 Fr
Central Venous Line	5 Fr
Vent Settings - Rate	12 - 20
Vent Settings - VT (8 mL/kg)	160
C-Collar	P-2

ALL DOSES BELOW ARE IN ML

Maintenance Fluids (mL/hr)	60
Atropine (0.1 mg/mL) Dose: 0.01 mg/kg; min dose 0.1 mg	2
Dextrose 10% Dose: 2 mL/kg	40
Epinephrine IV 1:10,000 (0.1 mg/mL) Dose: 0.01mg/kg	2
Fentanyl IV 50 mcg/mL Dose:1 mcg/kg	0.4
Fosphenytoin (50 mg/mL PE eq load) Dose: 20 mg/kg	8
Lorazepam 2 mg/mL Dose: 0.1 mg/kg	1
Mannitol (20% in 250mL = 0.2 gm/mL) Dose: 1 gm/kg	100
Midazolam (1 mg/mL) Dose: 0.02 mg/kg	0.4
Morphine (2 mg/mL) Dose: 0.1 mg/kg	1
Naloxone(400 mcg/ml) dilute 9mL NS=40 mcg/mL) Dose:1 mcg/kg	0.5
Phenobarbital IV (130 mg/mL) Dose: 20 mg/kg	3

Infusion Reference Ranges

LR/NS Fluid	20 mL/kg bolus	Fentanyl	1 – 3 mcg/kg/hr
PRBC	10 mL/kg 1 unit =350 mL	Insulin	0.1 – 0.3 unit/kg/hr
Defibrillation	2 J/kg (2 nd shock 4J/kg)	Lorazepam	10 - 40 mcg/kg/hr
Cardioversion	0.5 – 1 J/kg	Midazolam	50 – 100 mcg/kg/hr
		Morphine	10 – 100 mcg/kg/hr
Dexmedetomidine	0.2 – 0.7 mcg/kg/hr	Norepinephrine	0.05 - 1 mcg/kg/min
Dobutamine	2 - 20 mcg/kg/min	Phenylephrine	0.05 - 1 mcg/kg/min
Dopamine	2 - 20 mcg/kg/min	Propofol	20 - 50 mcg/kg/min
Epinephrine	0.05 - 5 mcg/kg/min	Vecuronium	1 - 3 mcg/kg/min (bolus 0.1mg/kg)

Pediatric Color Zone ORANGE 26 kg

Approximate Weight (kg)	26 kg
Approximate Age	8 years
Heart Rate	70 - 120
Respiratory Rate	18 – 30
Minimum SBP	> 86
ETT (cuffed)	5.5
Suction Catheter	10 Fr
NG / Foley	12 Fr
Chest Tube	28 – 32 Fr
Central Venous Line	5 Fr
Vent Settings - Rate	12 - 20
Vent Settings – VT (8 mL/kg)	208
C-Collar	P-2

ALL DOSES BELOW ARE IN ML

Maintenance Fluids (mL/hr)	65
Atropine (0.1 mg/mL) Dose: 0.01 mg/kg; min dose 0.1 mg	2.6
Dextrose 10% Dose: 2mL/kg	52
Epinephrine 1:10,000 = 0.1 mg/mL Dose: 0.01 mg/kg	2.6
Fentanyl (50 mcg/ml) Dose: 1 mcg/kg	0.5
Fosphenytoin (50 mg/mL PE eq load) Dose: 20 mg/kg	10.4
Lorazepam (2 mg/mL) Dose: 0.1mg/kg	1.3
Mannitol (20% in 250mL= 0.2 gm/mL) Dose: 1gm/kg	130
Midazolam (1 mg/mL) Dose: 0.02 mg/kg	0.5
Morphine (2 mg/mL) Dose: 0.1 mg/kg	1.3
Naloxone (400 mcg/mL; dilute 9mL NS= 40 mcg/mL) Dose: 1 mcg/kg	0.6
Phenobarbital (130 mg/mL) Dose: 20 mg/kg	4

Infusion Reference Ranges

LR/NS Fluid	20 mL/kg bolus	Fentanyl	1 – 3 mcg/kg/hr
PRBC	10 mL/kg 1 unit =350 mL	Insulin	0.1 – 0.3 unit/kg/hr
Defibrillation	2 J/kg (2 nd shock 4J/kg)	Lorazepam	10 - 40 mcg/kg/hr
Cardioversion	0.5 – 1 J/kg	Midazolam	50 – 100 mcg/kg/hr
		Morphine	10 – 100 mcg/kg/hr
Dexmedetomidine	0.2 – 0.7 mcg/kg/hr	Norepinephrine	0.05 - 1 mcg/kg/min
Dobutamine	2 - 20 mcg/kg/min	Phenylephrine	0.05 - 1 mcg/kg/min
Dopamine	2 - 20 mcg/kg/min	Propofol	20 - 50 mcg/kg/min
Epinephrine	0.05 - 5 mcg/kg/min	Vecuronium	1 - 3 mcg/kg/min (bolus 0.1mg/kg)

Pediatric Color Zone GREEN 32 kg

Approximate Weight (kg)	32 kg
Approximate Age	10 years
Heart Rate	70 - 100
Respiratory Rate	18 - 30
Minimum SBP	> 90
ETT (cuffed)	6
Suction Catheter	12 Fr
NG / Foley	14 Fr
Chest Tube	32 – 38 Fr
Central Venous Line	5 Fr
Vent Settings - Rate	12 - 20
Vent Settings – VT (8mL/kg)	256
C-Collar	P-3

ALL DOSES BELOW ARE IN ML

Maintenance Fluids (mL/hr)	70
Atropine (0.1 mg/mL) Dose: 0.01 mg/kg; min dose 0.1 mg	3.2
Dextrose 10% Dose: 2mL/kg	64
Epinephrine 1:10,000 = (0.1 mg/mL) Dose: 0.01 mg/kg	3.2
Fentanyl (50 mcg/mL) Dose: 1 mcg/kg	0.6
Fosphenytoin (50 mg/mL PE eq) Dose: 20 mg/kg	12.8
Lorazepam (2 mg/mL) Dose: 0.1 mg/kg	1.6
Mannitol (20% in 250mL = 0.2 gm/mL) Dose: 1gm/kg	160
Midazolam (1 mg/mL) Dose:0.02 mg/kg	0.6
Morphine (2 mg/mL) Dose: 0.1 mg/kg	1.6
Naloxone (400 mcg/mL; dilute 9 mL NS= 40 mcg/kg) Dose: 1 mcg/kg	0.8
Phenobarbital (130 mg/mL) Dose: 20 mg/kg	4.9

Infusion Reference Ranges

LR/NS Fluid	20 mL/kg bolus	Fentanyl	1 – 3 mcg/kg/hr
PRBC	10 mL/kg 1 unit =350 mL	Insulin	0.1- 0.3 unit/kg/hr
Defibrillation	2 J/kg (2 nd shock 4J/kg)	Lorazepam	10 - 40 mcg/kg/hr
Cardioversion	0.5 – 1 J/kg	Midazolam	50 – 100 mcg/kg/hr
		Morphine	10 – 100 mcg/kg/hr
Dexmedetomidine	0.2 – 0.7 mcg/kg/hr	Norepinephrine	0.05 - 1 mcg/kg/min
Dobutamine	2 - 20 mcg/kg/min	Phenylephrine	0.05 - 1 mcg/kg/min
Dopamine	2 - 20 mcg/kg/min	Propofol	20 - 50 mcg/kg/min
Epinephrine	0.05 - 5 mcg/kg/min	Vecuronium	1 - 3 mcg/kg/min (bolus 0.1mg/kg)