

HEALTHEAST MEDICAL TRANSPORTATION
MEDICAL OPERATIONS MANUAL

Reference 6 Handtevy Guidelines

- Option 1 -USE ACTUAL AGE (IF STANDARD SIZED CHILD)
- Option 2 -ESTIMATE AGE USING HANDTEVY LENGTH BASED TAPE (HEAD TO HEEL)

PREMIE

HealthEast Medical Transportation				2 KG IDEAL WEIGHT	
DRUG	CONC	VOL	RT	DOSE/KG	AMOUNT
Adenosine (1st)	6 mg/2mL	0.07 mL	IV/IO	0.1 mg/kg	0.2 mg
Adenosine (2nd)	6 mg/2mL	0.14 mL	IV/IO	0.2 mg/kg	0.4 mg
Amiodarone (1st)	150 mg/3mL	0.2 mL	IV/IO	5 mg/kg	10 mg
Amiodarone (2nd)	150 mg/3mL	0.1 mL	IV/IO	2.5 mg/kg	5 mg
Atropine	1 mg/10mL	1 mL	IV/IO	Dose =	0.1 mg
Bicarb 4.2%	(8.4% - 25 mL) + 25 mL NS	4 mL	IV/IO	1 mEq/kg	2 mEq
Calcium Chloride 10%	1 g/10mL	0.4 mL	IV/IO	20 mg/kg	40 mg
Calcium Gluconate 10%	1 g/10mL	1.2 mL	IV/IO	60 mg/kg	120 mg
D10W	0.1 g/mL	10 mL	IV/IO	0.5 g/kg	1 g
Diphenhydramine	50 mg/mL	0.04 mL	IV/IO/IM	1 mg/kg	2 mg
Dopamine Drip	1600 mcg/mL	0 gtt/min	IV/IO	Titrate to BP: Max 0 gtt/min	
Epi 1:1,000 IM	1 mg/mL	0.02 mL	IM	0.01 mg/kg	0.02 mg
Epi 1:10,000 IV	1 mg/10mL	0.2 mL	IV/IO	0.01 mg/kg	0.02 mg
Etomidate	40 mg/20mL	0.3 mL	IV/IO	0.3 mg/kg	0.6 mg
Fentanyl	50 mcg/mL	0.08 mL	IV/IO/IM/IN	2 mcg/kg	4 mcg
Glucagon	1 mg/mL	0.2 mL	IV/IO/IM/IN	0.1 mg/kg	0.2 mg
Lidocaine 2%	100 mg/5mL	0.1 mL	IV/IO	1 mg/kg	2 mg
Lorazepam	2 mg/mL	0.1 mL	IV/IO/IM/IN	0.1 mg/kg	0.2 mg
Magnesium Sulfate	1 g/2mL	0.2 mL	IV/IO	50 mg/kg	100 mg
Midazolam	5 mg/mL	0.04 mL	IV/IO	0.1 mg/kg	0.2 mg
Morphine	10 mg/mL	0.01 mL	IV/IO	0.05 mg/kg	0.1 mg
Naloxone	2 mg/2mL	0.02 mL	IV/IO/IM/IN	0.01 mg/kg	0.02 mg
Normal Saline Bolus	0.9%	20 mL	IV/IO	10 mL/kg	20 mL
Ondansetron	4 mg/2mL	0.15 mL	IV/IM	0.15 mg/kg	0.3 mg
Rocuronium	10 mg/mL	0.1 mL	IV/IO	0.5 mg/kg	1 mg
Solumedrol	125 mg/2mL	0.06 mL	IV/IO	2 mg/kg	4 mg
Succinylcholine	20 mg/mL	0.15 mL	IV/IO	1.5 mg/kg	3 mg
Levophed	32 mcg/mL	0 gtt/min	IV/IO	Titrate to BP: Max 0 gtt/min	
Vecuronium	10 mg/10mL	0.2 mL	IV/IO	0.1 mg/kg	0.2 mg

LIFEPAK	JOULES/KG	1ST	2ND	3RD	4TH
Defibrillation	2 → 4 → 6 → 8	4	8	15	15
Cardioversion	1 → 2 → 2 → 2	2	4	4	4

ET TUBE	DISTANCE AT LIP	AirQ	KING
2.5 - 3.0 Cuffed or Uncuffed	7 - 9.5 cm	1 or 1.5	N/A

VITALS	SBP	55 - 90	HR	120 - 170	RR	40 - 70
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Option 2 -ESTIMATE AGE USING HANDTEVY LENGTH
BASED TAPE (HEAD TO HEEL)

NB

HealthEast Medical Transportation				4 KG IDEAL WEIGHT	
DRUG	CONC	VOL	RT	DOSE/KG	AMOUNT
Adenosine (1st)	6 mg/2mL	0.13 mL	IV/IO	0.1 mg/kg	0.4 mg
Adenosine (2nd)	6 mg/2mL	0.27 mL	IV/IO	0.2 mg/kg	0.8 mg
Amiodarone (1st)	150 mg/3mL	0.4 mL	IV/IO	5 mg/kg	20 mg
Amiodarone (2nd)	150 mg/3mL	0.2 mL	IV/IO	2.5 mg/kg	10 mg
Atropine	1 mg/10mL	1 mL	IV/IO	Dose =	0.1 mg
Bicarb 4.2%	(8.4% - 25 mL) + 25 mL NS	8 mL	IV/IO	1 mEq/kg	4 mEq
Calcium Chloride 10%	1 g/10mL	0.8 mL	IV/IO	20 mg/kg	80 mg
Calcium Gluconate 10%	1 g/10mL	2.4 mL	IV/IO	60 mg/kg	240 mg
D10W	0.1 g/mL	20 mL	IV/IO	0.5 g/kg	2 g
Diphenhydramine	50 mg/mL	0.08 mL	IV/IO/IM	1 mg/kg	4 mg
Dopamine Drip	1600 mcg/mL	1 gtt/min	IV/IO	Titrate to BP: Max 4 gtt/min	
Epi 1:1,000 IM	1 mg/mL	0.04 mL	IM	0.01 mg/kg	0.04 mg
Epi 1:10,000 IV	1 mg/10mL	0.4 mL	IV/IO	0.01 mg/kg	0.04 mg
Etomidate	40 mg/20mL	0.6 mL	IV/IO	0.3 mg/kg	1.2 mg
Fentanyl	50 mcg/mL	0.16 mL	IV/IO/IM/IN	2 mcg/kg	8 mcg
Glucagon	1 mg/mL	0.4 mL	IV/IO/IM/IN	0.1 mg/kg	0.4 mg
Lidocaine 2%	100 mg/5mL	0.2 mL	IV/IO	1 mg/kg	4 mg
Lorazepam	2 mg/mL	0.2 mL	IV/IO/IM/IN	0.1 mg/kg	0.4 mg
Magnesium Sulfate	1 g/2mL	0.4 mL	IV/IO	50 mg/kg	200 mg
Midazolam	5 mg/mL	0.08 mL	IV/IO	0.1 mg/kg	0.4 mg
Morphine	10 mg/mL	0.02 mL	IV/IO	0.05 mg/kg	0.2 mg
Naloxone	2 mg/2mL	0.04 mL	IV/IO/IM/IN	0.01 mg/kg	0.04 mg
Normal Saline Bolus	0.9%	40 mL	IV/IO	10 mL/kg	40 mL
Ondansetron	4 mg/2mL	0.3 mL	IV/IM	0.15 mg/kg	0.6 mg
Rocuronium	10 mg/mL	0.4 mL	IV/IO	1 mg/kg	4 mg
Solumedrol	125 mg/2mL	0.13 mL	IV/IM	2 mg/kg	8 mg
Succinylcholine	20 mg/mL	0.3 mL	IV/IO	1.5 mg/kg	6 mg
Levophed	32 ucg/mL	0 gtt/min	IV/IO	Titrate to BP: Max 0 gtt/min	
Vecuronium	10 mg/10mL	0.4 mL	IV/IO	0.1 mg/kg	0.4 mg

LIFEPAK	JOULES/KG	1ST	2ND	3RD	4TH
Defibrillation	2 → 4 → 6 → 8	8	15	20	30
Cardioversion	1 → 2 → 2 → 2	4	8	8	8

ET TUBE	DISTANCE AT LIP	AirQ	KING
3.5 Cuffed or Uncuffed	3 KG: 9-9.5 cm 4 KG: 9.5-10 cm 5 KG: 10-10.5 cm	1.5	N/A

VITALS	SBP	60 - 100	HR	100 - 160	RR	30 - 60
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Option 1 -USE ACTUAL AGE (IF STANDARD SIZED CHILD)	4MO
Option 2 -ESTIMATE AGE USING HANDTEVY LENGTH BASED TAPE (HEAD TO HEEL)	

HealthEast Medical Transportation				6 KG IDEAL WEIGHT	
DRUG	CONC	VOL	RT	DOSE/KG	AMOUNT
Adenosine (1st)	6 mg/2mL	0.2 mL	IV/IO	0.1 mg/kg	0.6 mg
Adenosine (2nd)	6 mg/2mL	0.8 mL	IV/IO	0.2 mg/kg	1.2 mg
Amiodarone (1st)	150 mg/3mL	0.6 mL	IV/IO	5 mg/kg	30 mg
Amiodarone (2nd)	150 mg/3mL	0.3 mL	IV/IO	2.5 mg/kg	15 mg
Atropine	1 mg/10mL	1.2 mL	IV/IO	0.02 mg/kg	0.12 mg
Bicarb 8.4%	50 mEq/50mL	6 mL	IV/IO	1 mEq/kg	6 mEq
Calcium Chloride 10%	1 g/10mL	1.2 mL	IV/IO	20 mg/kg	120 mg
Calcium Gluconate 10%1	1 g/10mL	3.6 mL	IV/IO	60 mg/kg	360 mg
D10W	0.1 g/mL	30 mL	IV/IO	0.5 g/kg	3 g
Diphenhydramine	50 mg/mL	0.12 mL	IV/IO/IM	1 mg/kg	6 mg
Dopamine Drip	1600 mcg/mL	1 gtt/min	IV/IO	Titrate to BP: Max 4 gtt/min	
Epi 1:1,000 IM	1 mg/mL	0.06 mL	IM	0.01 mg/kg	0.06 mg
Epi 1:10,000 IV	1 mg/10mL	0.6 mL	IV/IO	0.01 mg/kg	0.06 mg
Etomidate	40 mg/20mL	0.9 mL	IV/IO	0.3 mg/kg	1.8 mg
Fentanyl	50 mcg/mL	0.24 mL	IV/IO/IM/IN	2 mcg/kg	12 mcg
Glucagon	1 mg/mL	0.6 mL	IV/IO/IM/IN	0.1 mg/kg	0.6 mg
Lidocaine 2%	100 mg/5mL	0.3 mL	IV/IO	1 mg/kg	6 mg
Lorazepam	2 mg/mL	0.3 mL	IV/IO/IM/IN	0.1 mg/kg	0.6 mg
Magnesium Sulfate	1 g/2mL	0.6 mL	IV/IO	50 mg/kg	300 mg
Midazolam	5 mg/mL	0.12 mL	IV/IO	0.1 mg/kg	0.6 mg
Morphine	10 mg/mL	0.03 mL	IV/IO	0.05 mg/kg	0.3 mg
Naloxone	2 mg/2mL	0.06 mL	IV/IO/IM/IN	0.01 mg/kg	0.06 mg
Normal Saline Bolus	0.9%	120 mL	IV/IO	20 mL/kg	120 mL
Ondansetron	4 mg/2mL	0.45 mL	IV/IM	0.15 mg/kg	0.9 mg
Rocuronium	10 mg/mL	0.6 mL	IV/IO	1 mg/kg	6 mg
Solumedrol	125 mg/2mL	0.19mL	IV/IM	2 mg/kg	12 mg
Succinylcholine	20 mg/mL	0.45 mL	IV/IO	1.5 mg/kg	9 mg
Levophed	32 mcg/mL	0 gtt/min	IV/IO	Titrate to BP: Max 0 gtt/min	
Vecuronium	10 mg/10mL	0.6 mL	IV/IO	0.1 mg/kg	0.6 mg

LIFEPAK	JOULES/KG	1ST	2ND	3RD	4TH
Defibrillation	2 → 4 → 6 → 8	15	20	30	50
Cardioversion	1 → 2 → 2 → 2	6	15	15	15

ET TUBE	DISTANCE AT LIP	AirQ	KING
3.5 Uncuffed or 3.0 Cuffed	10.5 - 11 cm	1 or 1.5	N/A

VITALS	SBP	70 - 100	HR	105 - 160	RR	30 - 60
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- Option 2 -ESTIMATE AGE USING HANDTEVY LENGTH BASED TAPE (HEAD TO HEEL)

6MO

HealthEast Medical Transportation 8 KG IDEAL WEIGHT

DRUG	CONC	VOL	RT	DOSE/KG	AMOUNT
Adenosine (1st)	6 mg/2mL	0.27 mL	IV/IO	0.1 mg/kg	0.8 mg
Adenosine (2nd)	6 mg/2mL	0.54 mL	IV/IO	0.2 mg/kg	1.6 mg
Amiodarone (1st)	150 mg/3mL	0.8 mL	IV/IO	5 mg/kg	40 mg
Amiodarone (2nd)	150 mg/3mL	0.4 mL	IV/IO	2.5 mg/kg	20 mg
Atropine	1 mg/10mL	1.6 mL	IV/IO	0.02 mg/kg	0.16 mg
Bicarb 8.4%	50 mEq/50mL	8 mL	IV/IO	1 mEq/kg	8 mEq
Calcium Chloride 10%	1 g/10mL	1.6 mL	IV/IO	20 mg/kg	160 mg
Calcium Gluconate 10%	1 g/10mL	4.8 mL	IV/IO	60 mg/kg	480 mg
D10W	0.1 g/mL	40 mL	IV/IO	0.5 g/kg	4 g
Diphenhydramine	50 mg/mL	0.16 mL	IV/IO/IM	1 mg/kg	8 mg
Dopamine Drip	1600 mcg/mL	2 gtt/min	IV/IO	Titrate to BP: Max 8 gtt/min	
Epi 1:1,000 IM	1 mg/mL	0.08 mL	IM	0.01 mg/kg	0.08 mg
Epi 1:10,000 IV	1 mg/10mL	0.8 mL	IV/IO	0.01 mg/kg	0.08 mg
Etomidate	40 mg/20mL	1.2 mL	IV/IO	0.3 mg/kg	2.4 mg
Fentanyl	50 mcg/mL	0.32 mL	IV/IO/IM/IN	2 mcg/kg	16 mcg
Glucagon	1 mg/mL	0.8 mL	IV/IO/IM/IN	0.1 mg/kg	0.8 mg
Lidocaine 2%	100 mg/5mL	0.4 mL	IV/IO	1 mg/kg	8 mg
Lorazepam	2 mg/mL	0.4 mL	IV/IO/IM/IN	0.1 mg/kg	0.8 mg
Magnesium Sulfate	1 g/2mL	0.8 mL	IV/IO	50 mg/kg	400 mg
Midazolam	5 mg/mL	0.16 mL	IV/IO	0.1 mg/kg	0.8 mg
Morphine	10 mg/mL	0.04 mL	IV/IO	0.05 mg/kg	0.4 mg
Naloxone	2 mg/2mL	0.08 mL	IV/IO/IM/IN	0.01 mg/kg	0.08 mg
Normal Saline Bolus	0.9%	160 mL	IV/IO	20 mL/kg	160 mL
Ondansetron	4 mg/2mL	0.6 mL	IV/IM	0.15 mg/kg	1.2 mg
Rocuronium	10 mg/mL	0.8 mL	IV/IO	1 mg/kg	8 mg
Solumedrol	125 mg/2mL	0.26 mL	IV/IM	0.2 mg/kg	16 mg
Succinylcholine	20 mg/mL	0.6 mL	IV/IO	1.5 mg/kg	12 mg
Levophed	32 mcg/mL	0 gtt/min	IV/IO	Titrate to BP: Max 0 gtt/min	
Vecuronium	10 mg/10mL	0.8 mL	IV/IO	0.1 mg/kg	0.8 mg

LIFEPAK	JOULES/KG	1ST	2ND	3RD	4TH
Defibrillation	2 → 4 → 6 → 8	15	30	50	70
Cardioversion	1 → 2 → 2 → 2	8	15	15	15

ET TUBE	DISTANCE AT LIP	AirQ	KING
3.5 Uncuffed or 3.0 Cuffed	10.5 - 11 cm	1.5	N/A

VITALS	SBP	70 - 100	HR	110 - 160	RR	24 - 38
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BASED TAPE (HEAD TO HEEL)

1YR

HealthEast Medical Transportation				10 KG IDEAL WEIGHT	
DRUG	CONC	VOL	RT	DOSE/KG	AMOUNT
Adenosine (1st)	6 mg/2mL	0.33 mL	IV/IO	0.1 mg/kg	1 mg
Adenosine (2nd)	6 mg/2mL	0.66 mL	IV/IO	0.2 mg/kg	2 mg
Amiodarone (1st)	150 mg/3mL	1 mL	IV/IO	5 mg/kg	50 mg
Amiodarone (2nd)	150 mg/3mL	0.5 mL	IV/IO	2.5 mg/kg	25 mg
Atropine	1 mg/10mL	2 mL	IV/IO	0.02 mg/kg	0.2 mg
Bicarb 8.4%	50 mEq/50mL	10 mL	IV/IO	1 mEq/kg	10 mEq
Calcium Chloride 10%	1 g/10mL	2 mL	IV/IO	20 mg/kg	200 mg
Calcium Gluconate 10%	1 g/10mL	6 mL	IV/IO	60 mg/kg	600 mg
D10W	0.1 g/mL	50 mL	IV/IO	0.5 g/kg	5 g
Diphenhydramine	50 mg/mL	0.2 mL	IV/IO/IM	1 mg/kg	10 mg
Dopamine Drip	1600 mcg/mL	1 gtt/min	IV/IO	Titrate to BP: Max 8 gtt/min	
Epi 1:1,000 IM	1 mg/mL	0.1 mL	IM	0.01 mg/kg	0.1 mg
Epi 1:10,000 IV	1 mg/10mL	1 mL	IV/IO	0.01 mg/kg	0.1 mg
Etomidate	40 mg/20mL	1.5 mL	IV/IO	0.3 mg/kg	3 mg
Fentanyl	50 mcg/mL	0.4 mL	IV/IO/IM/IN	2 mcg/kg	20 mcg
Glucagon	1 mg/mL	1 mL	IV/IO/IM/IN	0.1 mg/kg	1 mg
Lidocaine 2%	100 mg/5mL	0.5 mL	IV/IO	1 mg/kg	10 mg
Lorazepam	2 mg/mL	0.5 mL	IV/IO/IM/IN	0.1 mg/kg	1 mg
Magnesium Sulfate	1 g/2mL	1 mL	IV/IO	50 mg/kg	500 mg
Midazolam	5 mg/mL	0.2 mL	IV/IO	0.1 mg/kg	1 mg
Morphine	10 mg/mL	0.1 mL	IV/IO/IM	0.1 mg/kg	1 mg
Naloxone	2 mg/2mL	0.1 mL	IV/IO/IM/IN	0.01 mg/kg	0.1 mg
Normal Saline Bolus	0.9%	200 mL	IV/IO	20 mL/kg	200 mL
Ondansetron	4 mg/2mL	0.75 mL	IV/IM	0.15 mg/kg	1.5 mg
Rocuronium	10 mg/mL	1 mL	IV/IO	1 mg/kg	10 mg
Solumedrol	125 mg/2mL	0.32 mL	IV/IM	2 mg/kg	20 mg
Succinylcholine	20 mg/mL	0.75 mL	IV/IO	1.5 mg/kg	15 mg
Levophed	32 mcg/mL	2 gtt/min	IV/IO	Titrate to BP: Max 9 gtt/min	
Vecuronium	10 mg/10mL	1 mL	IV/IO	0.1 mg/kg	1 mg
LIFEPAK	JOULES/KG	1ST	2ND	3RD	4TH
Defibrillation	2 → 4 → 6 → 8	20	50	70	100
Cardioversion	1 → 2 → 2 → 2	10	20	20	20
ET TUBE	DISTANCE AT LIP	AirQ		KING	
4.0 Uncuffed or 3.5 Cuffed	11 - 12 cm	1.5		N/A	
VITALS	SBP	75 - 105	HR	90 - 150	RR
					22 - 30

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- Option 2 -ESTIMATE AGE USING HANDTEVY LENGTH BASED TAPE (HEAD TO HEEL)

2YR

HealthEast Medical Transportation 12 KG IDEAL WEIGHT

DRUG	CONC	VOL	RT	DOSE/KG	AMOUNT
Adenosine (1st)	6 mg/2mL	0.4 mL	IV/IO	0.1 mg/kg	1.2 mg
Adenosine (2nd)	6 mg/2mL	0.8 mL	IV/IO	0.2 mg/kg	2.4 mg
Amiodarone (1st)	150 mg/3mL	1.2 mL	IV/IO	5 mg/kg	60 mg
Amiodarone (2nd)	150 mg/3mL	0.6 mL	IV/IO	2.5 mg/kg	30 mg
Atropine	1 mg/10mL	2.4 mL	IV/IO	0.02 mg/kg	0.24 mg
Bicarb 8.4%	50 mEq/50mL	12 mL	IV/IO	1 mEq/kg	12 mEq
Calcium Chloride 10%	1 g/10mL	2.4 mL	IV/IO	20 mg/kg	240 mg
Calcium Gluconate 10%	1 g/10mL	7.2 mL	IV/IO	60 mg/kg	720 mg
D10W	0.1 g/mL	60 mL	IV/IO	0.5 g/kg	6 g
Diphenhydramine	50 mg/mL	0.24 mL	IV/IO/IM	1 mg/kg	12 mg
Dopamine Drip	1600 mcg/mL	2 gtt/min	IV/IO	Titrate to BP: Max 8 gtt/min	
Epi 1:1,000 IM	1 mg/mL	0.12 mL	IM	0.01 mg/kg	0.12 mg
Epi 1:10,000 IV	1 mg/10mL	1.2 mL	IV/IO	0.01 mg/kg	0.12 mg
Etomidate	40 mg/20mL	1.8 mL	IV/IO	0.3 mg/kg	3.6 mg
Fentanyl	50 mcg/mL	0.48 mL	IV/IO/IM/IN	2 mcg/kg	24 mcg
Glucagon	1 mg/mL	1 mL	IV/IO/IM/IN	Dose =	1 mg
Lidocaine 2%	100 mg/5mL	0.6 mL	IV/IO	1 mg/kg	12 mg
Lorazepam	2 mg/mL	0.6 mL	IV/IO/IM/IN	0.1 mg/kg	1.2 mg
Magnesium Sulfate	1 g/2mL	1.2 mL	IV/IO	50 mg/kg	600 mg
Midazolam	5 mg/mL	0.24 mL	IV/IO	0.1 mg/kg	1.2 mg
Morphine	10 mg/mL	0.12 mL	IV/IO/IM	0.1 mg/kg	1.2 mg
Naloxone	2 mg/2mL	0.12 mL	IV/IO/IM/IN	0.01 mg/kg	0.12 mg
Normal Saline Bolus	0.9%	240 mL	IV/IO	20 mL/kg	240 mL
Ondansetron	4 mg/2mL	0.9 mL	IV/IM	0.15 mg/kg	1.8 mg
Rocuronium	10 mg/mL	1.2 mL	IV/IO	1 mg/kg	12 mg
Solumedrol	125 mg/2mL	0.38 mL	IV/IM	2 mg/kg	24 mg
Succinylcholine	20 mg/mL	0.9 mL	IV/IO	1.5 mg/kg	18 mg
Levophed	32 mcg/mL	2 gtt/min	IV/IO	Titrate to BP: Max 9 gtt/min	
Vecuronium	10 mg/10mL	1.2 mL	IV/IO	0.1 mg/kg	1.2 mg

LIFEPAK	JOULES/KG	1ST	2ND	3RD	4TH
Defibrillation	2 → 4 → 6 → 8	20	50	70	100
Cardioversion	1 → 2 → 2 → 2	15	20	20	20

ET TUBE	DISTANCE AT LIP	AirQ	KING
4.5 Uncuffed or 4.0 Cuffed	13.5 cm	1.5	2

VITALS	SBP	75 - 110	HR	85 - 140	RR	22 - 30
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Option 1 -USE ACTUAL AGE (IF STANDARD SIZED CHILD)
Option 2 -ESTIMATE AGE USING HANDTEVY LENGTH BASED TAPE (HEAD TO HEEL)

3YR

HealthEast Medical Transportation				15 KG IDEAL WEIGHT	
DRUG	CONC	VOL	RT	DOSE/KG	AMOUNT
Adenosine (1st)	6 mg/2mL	0.5 mL	IV/IO	0.1 mg/kg	1.5 mg
Adenosine (2nd)	6 mg/2mL	1 mL	IV/IO	0.2 mg/kg	3 mg
Amiodarone (1st)	150 mg/3mL	1.5 mL	IV/IO	5 mg/kg	75 mg
Amiodarone (2nd)	150 mg/3mL	0.75 mL	IV/IO	2.5 mg/kg	37.5 mg
Atropine	1 mg/10mL	3 mL	IV/IO	0.02 mg/kg	0.3 mg
Bicarb 8.4%	50 mEq/50mL	15 mL	IV/IO	1 mEq/kg	15 mEq
Calcium Chloride 10%	1 g/10mL	3 mL	IV/IO	20 mg/kg	300 mg
Calcium Gluconate 10%	1 g/10mL	9 mL	IV/IO	60 mg/kg	900 mg
D10W	0.1 g/mL	75 mL	IV/IO	0.5 g/kg	7.5 g
Diphenhydramine	50 mg/mL	0.3 mL	IV/IO/IM	1 mg/kg	15 mg
Dopamine Drip	1600 mcg/mL	2 gtt/min	IV/IO	Titrate to BP: Max 12 gtt/min	
Epi 1:1,000 IM	1 mg/mL	0.15 mL	IM	0.01 mg/kg	0.15 mg
Epi 1:10,000 IV	1 mg/10mL	1.5 mL	IV/IO	0.01 mg/kg	0.15 mg
Etomidate	40 mg/20mL	2.3 mL	IV/IO	0.3 mg/kg	4.5 mg
Fentanyl	50 mcg/mL	0.6 mL	IV/IO/IM/IN	2 mcg/kg	30 mcg
Glucagon	1 mg/mL	1 mL	IV/IO/IM/IN	Dose =	1 mg
Lidocaine 2%	100 mg/5mL	0.75 mL	IV/IO	1 mg/kg	15 mg
Lorazepam	2 mg/mL	0.75 mL	IV/IO/IM/IN	0.1 mg/kg	1.5 mg
Magnesium Sulfate	1 g/2mL	1.5 mL	IV/IO	50 mg/kg	750 mg
Midazolam	5 mg/mL	0.3 mL	IV/IO	0.1 mg/kg	1.5 mg
Morphine	10 mg/mL	0.15 mL	IV/IO/IM	0.1 mg/kg	1.5 mg
Naloxone	2 mg/2mL	0.15 mL	IV/IO/IM/IN	0.01 mg/kg	0.15 mg
Normal Saline Bolus	0.9%	300 mL	IV/IO	20 mL/kg	300 mL
Ondansetron	4 mg/2mL	1.1 mL	IV/IM	0.15 mg/kg	2.25 mg
Rocuronium	10 mg/mL	1.5 mL	IV/IO	1 mg/kg	15 mg
Solumedrol	125 mg/2mL	0.48 mL	IV/IM	2 mg/kg	30 mg
Succinylcholine	20 mg/mL	1.1 mL	IV/IO	1.5 mg/kg	22.5 mg
Levophed	32 mcg/mL	3 gtt/min	IV/IO	Titrate to BP: Max 14 gtt/min	
Vecuronium	10 mg/10mL	1.5 mL	IV/IO	0.1 mg/kg	1.5 mg

LIFEPAK	JOULES/KG	1ST	2ND	3RD	4TH
Defibrillation	2 → 4 → 6 → 8	30	70	100	125
Cardioversion	1 → 2 → 2 → 2	15	30	30	30

ET TUBE	DISTANCE AT LIP	AirQ	KING
5.0 Uncuffed or 4.5 Cuffed	14 - 15 cm	2	2

VITALS	SBP	76 - 115	HR	85 - 140	RR	22 - 30
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HEALTHEAST MEDICAL TRANSPORTATION
MEDICAL OPERATIONS MANUAL

Reference 6 Handtevy Guidelines

Option 1 -USE ACTUAL AGE (IF STANDARD SIZED CHILD)
Option 2 -ESTIMATE AGE USING HANDTEVY LENGTH
BASED TAPE (HEAD TO HEEL)

4YR

HealthEast Medical Transportation				17 KG IDEAL WEIGHT	
DRUG	CONC	VOL	RT	DOSE/KG	AMOUNT
Adenosine (1st)	6 mg/2mL	0.57 mL	IV/IO	0.1 mg/kg	1.7 mg
Adenosine (2nd)	6 mg/2mL	1.14 mL	IV/IO	0.2 mg/kg	3.4 mg
Amiodarone (1st)	150 mg/3mL	1.7 mL	IV/IO	5 mg/kg	85 mg
Amiodarone (2nd)	150 mg/3mL	0.85 mL	IV/IO	2.5 mg/kg	42.5 mg
Atropine	1 mg/10mL	3.4 mL	IV/IO	0.02 mg/kg	0.34 mg
Bicarb 8.4%	50 mEq/50mL	17 mL	IV/IO	1 mEq/kg	17 mEq
Calcium Chloride 10%	1 g/10mL	3.4 mL	IV/IO	20 mg/kg	340 mg
Calcium Gluconate 10%	1 g/10mL	10.2 mL	IV/IO	60 mg/kg	1.2 g
D10W	0.1 g/mL	85 mL	IV/IO	0.5 g/kg	8.5 g
Diphenhydramine	50 mg/mL	0.34 mL	IV/IO/IM	1 mg/kg	17 mg
Dopamine Drip	1600 mcg/mL	2 gtt/min	IV/IO	Titrate to BP: Max 12 gtt/min	
Epi 1:1,000 IM	1 mg/mL	0.17 mL	IM	0.01 mg/kg	0.17 mg
Epi 1:10,000 IV	1 mg/10mL	1.7 mL	IV/IO	0.01 mg/kg	0.17 mg
Etomidate	40 mg/20mL	2.6 mL	IV/IO	0.3 mg/kg	5.1 mg
Fentanyl	50 mcg/mL	0.68 mL	IV/IO/IM/IN	2 mcg/kg	34 mcg
Glucagon	1 mg/mL	1 mL	IV/IO/IM/IN	0.1 mg/kg	1 mg
Lidocaine 2%	100 mg/5mL	0.85 mL	IV/IO	1 mg/kg	17 mg
Lorazepam	2 mg/mL	0.85 mL	IV/IO/IM/IN	0.1 mg/kg	1.7 mg
Magnesium Sulfate	1 g/2mL	1.7 mL	IV/IO	50 mg/kg	850 mg
Midazolam	5 mg/mL	0.34 mL	IV/IO	0.1 mg/kg	1.7 mg
Morphine	10 mg/mL	0.17 mL	IV/IO/IM	0.1 mg/kg	1.7 mg
Naloxone	2 mg/2mL	0.17 mL	IV/IO/IM/IN	0.01 mg/kg	0.17 mg
Normal Saline Bolus	0.9%	340 mL	IV/IO	20 mL/kg	340 mL
Ondansetron	4 mg/2mL	1.3 mL	IV/IM	0.15 mg/kg	2.55 mg
Rocuronium	10 mg/mL	1.7 mL	IV/IO	1 mg/kg	17 mg
Solumedrol	125 mg/2mL	0.54 mL	IV/IM	2 mg/kg	34 mg
Succinylcholine	20 mg/mL	1.3 mL	IV/IO	1.5 mg/kg	25.5 mg
Levophed	32 mcg/mL	4 gtt/min	IV/IO	Titrate to BP: Max 14 gtt/min	
Vecuronium	10 mg/10mL	1.7 mL	IV/IO	0.1 mg/kg	1.7 mg

LIFEPAK	JOULES/KG	1ST	2ND	3RD	4TH
Defibrillation	2 → 4 → 6 → 8	30	70	100	150
Cardioversion	1 → 2 → 2 → 2	15	30	30	30

ET TUBE	DISTANCE AT LIP	AirQ	KING
5.0 Uncuffed or 4.5 Cuffed	14 - 15 cm	2	2

VITALS	SBP	78 - 115	HR	75 - 120	RR	22 - 26
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HEALTHEAST MEDICAL TRANSPORTATION
MEDICAL OPERATIONS MANUAL

Reference 6 Handtevy Guidelines

Option 1 -USE ACTUAL AGE (IF STANDARD SIZED CHILD)
Option 2 -ESTIMATE AGE USING HANDTEVY LENGTH
BASED TAPE (HEAD TO HEEL)

5YR

HealthEast Medical Transportation				20 KG IDEAL WEIGHT	
DRUG	CONC	VOL	RT	DOSE/KG	AMOUNT
Adenosine (1st)	6 mg/2mL	0.67 mL	IV/IO	0.1 mg/kg	2 mg
Adenosine (2nd)	6 mg/2mL	1.33 mL	IV/IO	0.2 mg/kg	4 mg
Amiodarone (1st)	150 mg/3mL	2 mL	IV/IO	5 mg/kg	100 mg
Amiodarone (2nd)	150 mg/3mL	1 mL	IV/IO	2.5 mg/kg	50 mg
Atropine	1 mg/10mL	4 mL	IV/IO	0.02 mg/kg	0.4 mg
Bicarb 8.4%	50 mEq/50mL	20 mL	IV/IO	1 mEq/kg	20 mEq
Calcium Chloride 10%	1 g/10mL	4 mL	IV/IO	20 mg/kg	400 mg
Calcium Gluconate 10%	1 g/10mL	10.2 mL	IV/IO	60 mg/kg	1.2 g
D10W	0.1 g/mL	100 mL	IV/IO	0.5 g/kg	10 g
Diphenhydramine	50 mg/mL	0.4 mL	IV/IO/IM	1 mg/kg	20 mg
Dopamine Drip	1600 mcg/mL	2 gtt/min	IV/IO	Titrate to BP: Max 15 gtt/min	
Epi 1:1,000 IM	1 mg/mL	0.2 mL	IM	0.01 mg/kg	0.2 mg
Epi 1:10,000 IV	1 mg/10mL	2 mL	IV/IO	0.01 mg/kg	0.2 mg
Etomidate	40 mg/20mL	3 mL	IV/IO	0.3 mg/kg	6 mg
Fentanyl	50 mcg/mL	0.8 mL	IV/IO/IM/IN	2 mcg/kg	40 mcg
Glucagon	1 mg/mL	1 mL	IV/IO/IM/IN	Dose =	1 mg
Lidocaine 2%	100 mg/5mL	1 mL	IV/IO	1 mg/kg	20 mg
Lorazepam	2 mg/mL	1 mL	IV/IO/IM/IN	0.1 mg/kg	2 mg
Magnesium Sulfate	1 g/2mL	2 mL	IV/IO	50 mg/kg	1 g
Midazolam	5 mg/mL	0.4 mL	IV/IO	0.1 mg/kg	2 mg
Morphine	10 mg/mL	0.2 mL	IV/IO/IM	0.1 mg/kg	2 mg
Naloxone	2 mg/2mL	0.2 mL	IV/IO/IM/IN	0.01 mg/kg	0.2 mg
Normal Saline Bolus	0.9%	400 mL	IV/IO	20 mL/kg	400 mL
Ondansetron	4 mg/2mL	1.5 mL	IV/IM	0.15 mg/kg	3 mg
Rocuronium	10 mg/mL	2 mL	IV/IO	1 mg/kg	20 mg
Solumedrol	125 mg/2mL	0.64 mL	IV/IM	2 mg/kg	40 mg
Succinylcholine	20 mg/mL	1.5 mL	IV/IO	1.5 mg/kg	30 mg
Levophed	32 mcg/mL	4 gtt/min	IV/IO	Titrate to BP: Max 19 gtt/min	
Vecuronium	10 mg/10mL	2 mL	IV/IO	0.1 mg/kg	2 mg

LIFEPAK	JOULES/KG	1ST	2ND	3RD	4TH
Defibrillation	2 → 4 → 6 → 8	50	100	125	150
Cardioversion	1 → 2 → 2 → 2	20	50	50	50

ET TUBE	DISTANCE AT LIP	AirQ	KING
5.5 Uncuffed or 5.0 Cuffed	16.5 cm	2	2.5

VITALS	SBP	80 - 115	HR	70 - 115	RR	20 - 24
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HEALTHEAST MEDICAL TRANSPORTATION
MEDICAL OPERATIONS MANUAL

Reference 6 Handtevy Guidelines

- Option 1 -USE ACTUAL AGE (IF STANDARD SIZED CHILD)
- Option 2 -ESTIMATE AGE USING HANDTEVY LENGTH BASED TAPE (HEAD TO HEEL)

6YR

HealthEast Medical Transportation			22 KG IDEAL WEIGHT			
DRUG	CONC	VOL	RT	DOSE/KG	AMOUNT	
Adenosine (1st)	6 mg/2mL	0.73 mL	IV/IO	0.1 mg/kg	2.2 mg	
Adenosine (2nd)	12 mg/2mL	0.73 mL	IV/IO	0.2 mg/kg	4.4 mg	
Amiodarone (1st)	150 mg/3mL	2.2 mL	IV/IO	5 mg/kg	110 mg	
Amiodarone (2nd)	150 mg/3mL	1.1 mL	IV/IO	2.5 mg/kg	55 mg	
Atropine	1 mg/10mL	4.4 mL	IV/IO	0.02 mg/kg	0.44 mg	
Bicarb 8.4%	50 mEq/50mL	22 mL	IV/IO	1 mEq/kg	22 mEq	
Calcium Chloride 10%	1 g/10mL	4.4 mL	IV/IO	20 mg/kg	440 mg	
Calcium Gluconate 10%	1 g/10mL	10.3 mL	IV/IO	60 mg/kg	1.3 g	
D10W	0.1 g/mL	110 mL	IV/IO	0.5 g/kg	11 g	
Diphenhydramine	50 mg/mL	0.44 mL	IV/IO/IM	1 mg/kg	22 mg	
Dopamine Drip	1600 mcg/mL	2 gtt/min	IV/IO	Titrate to BP: Max 16 gtt/min		
Epi 1:1,000 IM	1 mg/mL	0.22 mL	IM	0.01 mg/kg	0.22 mg	
Epi 1:10,000 IV	1 mg/10mL	2.2 mL	IV/IO	0.01 mg/kg	0.22 mg	
Etomidate	40 mg/20mL	3.3 mL	IV/IO	0.3 mg/kg	6.6 mg	
Fentanyl	50 mcg/mL	0.88 mL	IV/IO/IM/IN	2 mcg/kg	44 mcg	
Glucagon	1 mg/mL	1 mL	IV/IO/IM/IN	Dose =	1 mg	
Lidocaine 2%	100 mg/5mL	1.1 mL	IV/IO	1 mg/kg	22 mg	
Lorazepam	2 mg/mL	1 mL	IV/IO/IM/IN	Dose =	2 mg	
Magnesium Sulfate	1 g/2mL	2.2 mL	IV/IO	50 mg/kg	1.1 g	
Midazolam	5 mg/mL	0.44 mL	IV/IO	0.1 mg/kg	2.2 mg	
Morphine	10 mg/mL	0.22 mL	IV/IO/IM	0.1 mg/kg	2.2 mg	
Naloxone	2 mg/2mL	0.22 mL	IV/IO/IM/IN	0.01 mg/kg	0.22 mg	
Normal Saline Bolus	0.9%	440 mL	IV/IO	20 mL/kg	440 mL	
Ondansetron	4 mg/2mL	1.7 mL	IV/IM	0.15 mg/kg	3.3 mg	
Rocuronium	10 mg/mL	2.2 mL	IV/IO	1 mg/kg	22 mg	
Solumedrol	125 mg/2mL	0.7 mL	IV/IM	2 mg/kg	44 mg	
Succinylcholine	20 mg/mL	1.7 mL	IV/IO	1.5 mg/kg	33 mg	
Levophed	32 mcg/mL	5 gtt/min	IV/IO	Titrate to BP:Max 23 gtt/min		
Vecuronium	10 mg/10mL	2.2 mL	IV/IO	0.1 mg/kg	2.2 mg	
LIFEPAK	JOULES/KG		1ST	2ND	3RD	4TH
Defibrillation	2 → 4 → 6 → 8		50	100	125	175
Cardioversion	1 → 2 → 2 → 2		20	50	50	50
ET TUBE	DISTANCE AT LIP		AirQ		KING	
5.5 Uncuffed or 5.0 Cuffed	16.5 cm		2		2.5	
VITALS	SBP	82 - 120	HR	70 - 115	RR	20 - 24

HEALTHEAST MEDICAL TRANSPORTATION
MEDICAL OPERATIONS MANUAL

Reference 6 Handtevy Guidelines

- Option 1 -USE ACTUAL AGE (IF STANDARD SIZED CHILD)
- Option 2 -ESTIMATE AGE USING HANDTEVY LENGTH BASED TAPE (HEAD TO HEEL)

7YR

HealthEast Medical Transportation			25 KG IDEAL WEIGHT		
DRUG	CONC	VOL	RT	DOSE/KG	AMOUNT
Adenosine (1st)	6 mg/2mL	0.83 mL	IV/IO	0.1 mg/kg	2.5 mg
Adenosine (2nd)	12 mg/2mL	0.83 mL	IV/IO	0.2 mg/kg	5 mg
Amiodarone (1st)	150 mg/3mL	2.5 mL	IV/IO	5 mg/kg	125 mg
Amiodarone (2nd)	150 mg/3mL	1.3 mL	IV/IO	2.5 mg/kg	62.5 mg
Atropine	1 mg/10mL	5 mL	IV/IO	0.02 mg/kg	0.5 mg
Bicarb 8.4%	50 mEq/50mL	25 mL	IV/IO	1 mEq/kg	25 mEq
Calcium Chloride 10%	1 g/10mL	5 mL	IV/IO	20 mg/kg	500 mg
Calcium Gluconate 10%1	1 g/10mL	15 mL	IV/IO	60 mg/kg	1.5 g
D10W	0.1 g/mL	125 mL	IV/IO	0.5 g/kg	12.5 g
Diphenhydramine	50 mg/mL	0.5 mL	IV/IO/IM	1 mg/kg	25 mg
Dopamine Drip	1600 mcg/mL	2 gtt/min	IV/IO	Titrate to BP: Max 20 gtt/min	
Epi 1:1,000 IM	1 mg/mL	0.25 mL	IM	0.01 mg/kg	0.25 mg
Epi 1:10,000 IV	1 mg/10mL	2.5 mL	IV/IO	0.01 mg/kg	0.25 mg
Etomidate	40 mg/20mL	3.8 mL	IV/IO	0.3 mg/kg	7.5 mg
Fentanyl	50 mcg/mL	1 mL	IV/IO/IM/IN	2 mcg/kg	50 mcg
Glucagon	1 mg/mL	1 mL	IV/IO/IM/IN	Dose =	1 mg
Lidocaine 2%	100 mg/5mL	1.3 mL	IV/IO	1 mg/kg	25 mg
Lorazepam	2 mg/mL	1 mL	IV/IO/IM/IN	Dose =	2 mg
Magnesium Sulfate	1 g/2mL	2.5 mL	IV/IO	50 mg/kg	1.25 g
Midazolam	5 mg/mL	0.5 mL	IV/IO	0.1 mg/kg	2.5 mg
Morphine	10 mg/mL	0.25 mL	IV/IO/IM	0.1 mg/kg	2.5 mg
Naloxone	2 mg/2mL	0.25 mL	IV/IO/IM/IN	0.01 mg/kg	0.25 mg
Normal Saline Bolus	0.9%	500 mL	IV/IO	20 mL/kg	500 mL
Ondansetron	4 mg/2mL	1.9 mL	IV/IM	0.15 mg/kg	3.75 mg
Rocuronium	10 mg/mL	2.5 mL	IV/IO	1 mg/kg	25 mg
Solumedrol	125 mg/2mL	0.8 mL	IV/IM	2 mg/kg	50 mg
Succinylcholine	20 mg/mL	1.9 mL	IV/IO	1.5 mg/kg	37.5 mg
Levophed	32 mcg/mL	5 gtt/min	IV/IO	Titrate to BP: Max 23 gtt/min	
Vecuronium	10 mg/10mL	2.5 mL	IV/IO	0.1 mg/kg	2.5 mg

LIFEPAK	JOULES/KG	1ST	2ND	3RD	4TH
Defibrillation	2 → 4 → 6 → 8	50	100	150	200
Cardioversion	1 → 2 → 2 → 2	30	50	50	50

ET TUBE	DISTANCE AT LIP	AirQ	KING
6.5 Uncuffed or 6.0 Cuffed	17 - 18 cm	2.0	2.5 or 3

VITALS	SBP	84 - 120	HR	70 - 110	RR	16 - 22
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HEALTHEAST MEDICAL TRANSPORTATION
MEDICAL OPERATIONS MANUAL

Reference 6 Handtevy Guidelines

- Option 1 -USE ACTUAL AGE (IF STANDARD SIZED CHILD)
- Option 2 -ESTIMATE AGE USING HANDTEVY LENGTH BASED TAPE (HEAD TO HEEL)

8YR

HealthEast Medical Transportation 27 KG IDEAL WEIGHT

DRUG	CONC	VOL	RT	DOSE/KG	AMOUNT
Adenosine (1st)	6 mg/2mL	0.9 mL	IV/IO	0.1 mg/kg	2.7 mg
Adenosine (2nd)	12 mg/2mL	0.9 mL	IV/IO	0.2 mg/kg	5.4 mg
Amiodarone (1st)	150 mg/3mL	2.7 mL	IV/IO	5 mg/kg	135 mg
Amiodarone (2nd)	150 mg/3mL	1.4 mL	IV/IO	2.5 mg/kg	67.5 mg
Atropine	1 mg/10mL	5.4 mL	IV/IO	0.02 mg/kg	0.54 mg
Bicarb 8.4%	50 mEq/50mL	27 mL	IV/IO	1 mEq/kg	27 mEq
Calcium Chloride 10%	1 g/10mL	5.4 mL	IV/IO	20 mg/kg	540 mg
Calcium Gluconate 10%	1 g/10mL	16.2 mL	IV/IO	60 mg/kg	1.62 g
D10W	0.1 g/mL	135 mL	IV/IO	0.5 g/kg	13.5 g
Diphenhydramine	50 mg/mL	0.54 mL	IV/IO/IM	1 mg/kg	27 mg
Dopamine Drip	1600 mcg/mL	2 gtt/min	IV/IO	Titrate to BP: Max 20 gtt/min	
Epi 1:1,000 IM	1 mg/mL	0.27 mL	IM	0.01 mg/kg	0.27 mg
Epi 1:10,000 IV	1 mg/10mL	2.7 mL	IV/IO	0.01 mg/kg	0.27 mg
Etomidate	40 mg/20mL	4.1 mL	IV/IO	0.3 mg/kg	8.1 mg
Fentanyl	50 mcg/mL	1.1 mL	IV/IO/IM/IN	2 mcg/kg	54 mcg
Glucagon	1 mg/mL	1 mL	IV/IO/IM/IN	Dose =	1 mg
Lidocaine 2%	100 mg/5mL	1.4 mL	IV/IO	1 mg/kg	27 mg
Lorazepam	2 mg/mL	1 mL	IV/IO/IM/IN	Dose =	2 mg
Magnesium Sulfate	1 g/2mL	2.7 mL	IV/IO	50 mg/kg	1.35 g
Midazolam	5 mg/mL	0.54 mL	IV/IO	0.1 mg/kg	2.7 mg
Morphine	10 mg/mL	0.27 mL	IV/IO/IM	0.1 mg/kg	2.7 mg
Naloxone	2 mg/2mL	0.27 mL	IV/IO/IM/IN	0.01 mg/kg	0.27 mg
Normal Saline Bolus	0.9%	540 mL	IV/IO	20 mL/kg	540 mL
Ondansetron	4 mg/2mL	2 mL	IV/IM	Dose =	4 mg
Rocuronium	10 mg/mL	2.7 mL	IV/IO	1 mg/kg	27 mg
Solumedrol	125 mg/2mL	0.86 mL	IV/IM	2 mg/kg	54 mg
Succinylcholine	20 mg/mL	2 mL	IV/IO	1.5 mg/kg	40.5 mg
Levophed	32 mcg/mL	5 gtt/min	IV/IO	Titrate to BP: Max 23 gtt/min	
Vecuronium	10 mg/10mL	2.7 mL	IV/IO	0.1 mg/kg	2.7 mg

LIFEPAK	JOULES/KG	1ST	2ND	3RD	4TH
Defibrillation	2 → 4 → 6 → 8	50	100	175	225
Cardioversion	1 → 2 → 2 → 2	30	50	50	50

ET TUBE	DISTANCE AT LIP	AirQ	KING
6.5 Uncuffed or 6.0 Cuffed	17 - 18 cm	2.0	2.5 or 3

VITALS	SBP	86 - 120	HR	70 - 110	RR	16 - 22
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HEALTHEAST MEDICAL TRANSPORTATION
MEDICAL OPERATIONS MANUAL

Reference 6 Handtevy Guidelines

- Option 1 -USE ACTUAL AGE (IF STANDARD SIZED CHILD)
- Option 2 -ESTIMATE AGE USING HANDTEVY LENGTH BASED TAPE (HEAD TO HEEL)

9YR

HealthEast Medical Transportation 30 KG IDEAL WEIGHT

DRUG	CONC	VOL	RT	DOSE/KG	AMOUNT
Adenosine (1st)	6 mg/2mL	1 mL	IV/IO	0.1 mg/kg	3 mg
Adenosine (2nd)	12 mg/2mL	1 mL	IV/IO	0.2 mg/kg	6 mg
Amiodarone (1st)	150 mg/3mL	3 mL	IV/IO	5 mg/kg	150 mg
Amiodarone (2nd)	150 mg/3mL	1.5 mL	IV/IO	2.5 mg/kg	75 mg
Atropine	1 mg/10mL	6 mL	IV/IO	0.02 mg/kg	0.6 mg
Bicarb 8.4%	50 mEq/50mL	30 mL	IV/IO	1 mEq/kg	30 mEq
Calcium Chloride 10%	1 g/10mL	6 mL	IV/IO	20 mg/kg	600 mg
Calcium Gluconate 10%	1 g/10mL	18 mL	IV/IO	60 mg/kg	1.8 g
D10W	0.1 g/mL	150 mL	IV/IO	0.5 g/kg	15 g
Diphenhydramine	50 mg/mL	0.6 mL	IV/IO/IM	1 mg/kg	30 mg
Dopamine Drip	1600 mcg/mL	3 gtt/min	IV/IO	Titrate to BP: Max 24 gtt/min	
Epi 1:1,000 IM	1 mg/mL	0.3 mL	IM	0.01 mg/kg	0.3 mg
Epi 1:10,000 IV	1 mg/10mL	3 mL	IV/IO	0.01 mg/kg	0.3 mg
Etomidate	40 mg/20mL	4.5 mL	IV/IO	0.3 mg/kg	9 mg
Fentanyl	50 mcg/mL	1.2 mL	IV/IO/IM/IN	2 mcg/kg	60 mcg
Glucagon	1 mg/mL	1 mL	IV/IO/IM/IN	Dose =	1 mg
Lidocaine 2%	100 mg/5mL	1.5 mL	IV/IO	1 mg/kg	30 mg
Lorazepam	2 mg/mL	1 mL	IV/IO/IM/IN	Dose =	2 mg
Magnesium Sulfate	1 g/2mL	3 mL	IV/IO	50 mg/kg	1.5 g
Midazolam	5 mg/mL	0.6 mL	IV/IO	0.1 mg/kg	3 mg
Morphine	10 mg/mL	0.3 mL	IV/IO/IM	0.1 mg/kg	3 mg
Naloxone	2 mg/2mL	0.3 mL	IV/IO/IM/IN	0.01 mg/kg	0.3 mg
Normal Saline Bolus	0.9%	600 mL	IV/IO	20 mL/kg	600 mL
Ondansetron	4 mg/2mL	2 mL	IV/IM	Dose =	4 mg
Rocuronium	10 mg/mL	3 mL	IV/IO	1 mg/kg	30 mg
Solumedrol	125 mg/2mL	0.96 mL	IV/IM	2 mg/kg	60 mg
Succinylcholine	20 mg/mL	2.3 mL	IV/IO	1.5 mg/kg	45 mg
Levophed	32 mcg/mL	6 gtt/min	IV/IO	Titrate to BP: Max 28 gtt/min	
Vecuronium	10 mg/10mL	3 mL	IV/IO	0.1 mg/kg	3 mg

LIFEPAK	JOULES/KG	1ST	2ND	3RD	4TH
Defibrillation	2 → 4 → 6 → 8	70	125	175	250
Cardioversion	1 → 2 → 2 → 2	30	70	70	70

ET TUBE	DISTANCE AT LIP	AirQ	KING
7.0 Uncuffed or 6.5 Cuffed	18.5 - 19.5 cm	2.5	3

VITALS	SBP	88 - 120	HR	65 - 105	RR	16 - 22
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HEALTHEAST MEDICAL TRANSPORTATION
MEDICAL OPERATIONS MANUAL

Reference 6 Handtevy Guidelines

- Option 1 -USE ACTUAL AGE (IF STANDARD SIZED CHILD)
- Option 2 -ESTIMATE AGE USING HANDTEVY LENGTH BASED TAPE (HEAD TO HEEL)

10YR

HealthEast Medical Transportation 35 KG IDEAL WEIGHT

DRUG	CONC	VOL	RT	DOSE/KG	AMOUNT
Adenosine (1st)	6 mg/2mL	1.2 mL	IV/IO	0.1 mg/kg	3.5 mg
Adenosine (2nd)	12 mg/2mL	1.2 mL	IV/IO	0.2 mg/kg	7 mg
Amiodarone (1st)	150 mg/3mL	3.5 mL	IV/IO	5 mg/kg	175 mg
Amiodarone (2nd)	150 mg/3mL	1.8 mL	IV/IO	2.5 mg/kg	87.5 mg
Atropine	1 mg/10mL	7 mL	IV/IO	0.02 mg/kg	0.7 mg
Bicarb 8.4%	50 mEq/50mL	35 mL	IV/IO	1 mEq/kg	35 mEq
Calcium Chloride 10%	1 g/10mL	7 mL	IV/IO	20 mg/kg	700 mg
Calcium Gluconate 10%	1 g/10mL	21 mL	IV/IO	60 mg/kg	2.1 g
D10W	0.1 g/mL	175 mL	IV/IO	0.5 g/kg	17.5 g
Diphenhydramine	50 mg/mL	0.7 mL	IV/IO/IM	1 mg/kg	35 mg
Dopamine Drip	1600 mcg/mL	3 gtt/min	IV/IO	Titrate to BP: Max 27 gtt/min	
Epi 1:1,000 IM	1 mg/mL	0.3 mL	IM	Dose =	0.3 mg
Epi 1:10,000 IV	1 mg/10mL	3.5 mL	IV/IO	0.01 mg/kg	0.35 mg
Etomidate	40 mg/20mL	5.3 mL	IV/IO	0.3 mg/kg	10.5 mg
Fentanyl	50 mcg/mL	1.4 mL	IV/IO/IM/IN	2 mcg/kg	70 mcg
Glucagon	1 mg/mL	1 mL	IV/IO/IM/IN	Dose =	1 mg
Lidocaine 2%	100 mg/5mL	1.8 mL	IV/IO	1 mg/kg	35 mg
Lorazepam	2 mg/mL	1 mL	IV/IO/IM/IN	Dose =	2 mg
Magnesium Sulfate	1 g/2mL	3.5 mL	IV/IO	50 mg/kg	1.75 g
Midazolam	5 mg/mL	0.7 mL	IV/IO	0.1 mg/kg	3.5 mg
Morphine	10 mg/mL	0.35 mL	IV/IO/IM	0.1 mg/kg	3.5 mg
Naloxone	2 mg/2mL	0.35 mL	IV/IO/IM/IN	0.01 mg/kg	0.35 mg
Normal Saline Bolus	0.9%	700 mL	IV/IO	20 mL/kg	700 mL
Ondansetron	4 mg/2mL	2 mL	IV/IM	Dose =	4 mg
Rocuronium	10 mg/mL	3.5 mL	IV/IO	1 mg/kg	35 mg
Solumedrol	125 mg/2mL	1.1 mL	IV/IM	2 mg/kg	70 mg
Succinylcholine	20 mg/mL	2.6 mL	IV/IO	1.5 mg/kg	52.5 mg
Levophed	32 mcg/mL	7 gtt/min	IV/IO	Titrate to BP: Max 33 gtt/min	
Vecuronium	10 mg/10mL	3.5 mL	IV/IO	0.1 mg/kg	3.5 mg

LIFEPAK	JOULES/KG	1ST	2ND	3RD	4TH
Defibrillation	2 → 4 → 6 → 8	70	150	200	275
Cardioversion	1 → 2 → 2 → 2	30	70	70	70

ET TUBE	DISTANCE AT LIP	AirQ	KING
7.0 Uncuffed or 6.5 Cuffed	18.5 - 19.5 cm	2.5	3

VITALS	SBP	90 - 120	HR	60 - 100	RR	16 - 22
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HEALTHEAST MEDICAL TRANSPORTATION
MEDICAL OPERATIONS MANUAL

Reference 6 Handtevy Guidelines

- Option 1 -USE ACTUAL AGE (IF STANDARD SIZED CHILD)
- Option 2 -ESTIMATE AGE USING HANDTEVY LENGTH BASED TAPE (HEAD TO HEEL)

11YR

HealthEast Medical Transportation 40 KG IDEAL WEIGHT

DRUG	CONC	VOL	RT	DOSE/KG	AMOUNT
Adenosine (1st)	6 mg/2mL	1.3 mL	IV/IO	0.1 mg/kg	4 mg
Adenosine (2nd)	12 mg/2mL	1.3 mL	IV/IO	0.2 mg/kg	8 mg
Amiodarone (1st)	150 mg/3mL	4 mL	IV/IO	5 mg/kg	200 mg
Amiodarone (2nd)	150 mg/3mL	2 mL	IV/IO	2.5 mg/kg	100 mg
Atropine	1 mg/10mL	8 mL	IV/IO	0.02 mg/kg	0.8 mg
Bicarb 8.4%	50 mEq/50mL	40 mL	IV/IO	1 mEq/kg	40 mEq
Calcium Chloride 10%	1 g/10mL	8 mL	IV/IO	20 mg/kg	800 mg
Calcium Gluconate 10%	1 g/10mL	24 mL	IV/IO	60 mg/kg	2.4 g
D10W	0.1 g/mL	200 mL	IV/IO	0.5 g/kg	20 g
Diphenhydramine	50 mg/mL	0.8 mL	IV/IO/IM	1 mg/kg	40 mg
Dopamine Drip	1600 mcg/mL	4 gtt/min	IV/IO	Titrate to BP: Max 30 gtt/min	
Epi 1:1,000 IM	1 mg/mL	0.3 mL	IM	Dose =	0.3 mg
Epi 1:10,000 IV	1 mg/10mL	4 mL	IV/IO	0.01 mg/kg	0.4 mg
Etomidate	40 mg/20mL	6 mL	IV/IO	0.3 mg/kg	12 mg
Fentanyl	50 mcg/mL	1.6 mL	IV/IO/IM/IN	2 mcg/kg	80 mcg
Glucagon	1 mg/mL	1 mL	IV/IO/IM/IN	Dose =	1 mg
Lidocaine 2%	100 mg/5mL	2 mL	IV/IO	1 mg/kg	40 mg
Lorazepam	2 mg/mL	1 mL	IV/IO/IM/IN	Dose =	2 mg
Magnesium Sulfate	1 g/2mL	4 mL	IV/IO	50 mg/kg	2 g
Midazolam	5 mg/mL	0.8 mL	IV/IO	0.1 mg/kg	4 mg
Morphine	10 mg/mL	0.4 mL	IV/IO/IM	0.1 mg/kg	4 mg
Naloxone	2 mg/2mL	0.4 mL	IV/IO/IM/IN	0.01 mg/kg	0.4 mg
Normal Saline Bolus	0.9%	800 mL	IV/IO	20 mL/kg	800 mL
Ondansetron	4 mg/2mL	2 mL	IV/IM	Dose =	4 mg
Rocuronium	10 mg/mL	4 mL	IV/IO	1 mg/kg	40 mg
Solumedrol	125 mg/2mL	1.3 mL	IV/IM	2 mg/kg	80 mg
Succinylcholine	20 mg/mL	3 mL	IV/IO	1.5 mg/kg	60 mg
Levophed	32 mcg/mL	8 gtt/min	IV/IO	Titrate to BP: Max 38 gtt/min	
Vecuronium	10 mg/10mL	4 mL	IV/IO	0.1 mg/kg	4 mg

LIFEPAK	JOULES/KG	1ST	2ND	3RD	4TH
Defibrillation	2 → 4 → 6 → 8	100	150	250	325
Cardioversion	1 → 2 → 2 → 2	50	100	100	100

ET TUBE	DISTANCE AT LIP	AirQ	KING
7.5 Uncuffed or 7.0 Cuffed	20 - 22 cm	2.5	3

VITALS	SBP	90 - 120	HR	60 - 100	RR	16 - 22
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HEALTHEAST MEDICAL TRANSPORTATION
MEDICAL OPERATIONS MANUAL

Reference 6 Handtevy Guidelines

- Option 1 -USE ACTUAL AGE (IF STANDARD SIZED CHILD)
- Option 2 -ESTIMATE AGE USING HANDTEVY LENGTH BASED TAPE (HEAD TO HEEL)

12YR

HealthEast Medical Transportation 50 KG IDEAL WEIGHT

DRUG	CONC	VOL	RT	DOSE/KG	AMOUNT
Adenosine (1st)	6 mg/2mL	1.7 mL	IV/IO	0.1 mg/kg	5 mg
Adenosine (2nd)	12 mg/2mL	1.7 mL	IV/IO	0.2 mg/kg	10 mg
Amiodarone (1st)	150 mg/3mL	5 mL	IV/IO	5 mg/kg	250 mg
Amiodarone (2nd)	150 mg/3mL	2.5 mL	IV/IO	2.5 mg/kg	125 mg
Atropine	1 mg/10mL	10 mL	IV/IO	0.02 mg/kg	1 mg
Bicarb 8.4%	50 mEq/50mL	50 mL	IV/IO	1 mEq/kg	50 mEq
Calcium Chloride 10%	1 g/10mL	10 mL	IV/IO	20 mg/kg	1 g
Calcium Gluconate 10%	1 g/10mL	30 mL	IV/IO	60 mg/kg	3 g
D10W	0.1 g/mL	250 mL	IV/IO	0.5 g/kg	25 g
Diphenhydramine	50 mg/mL	1 mL	IV/IO/IM	1 mg/kg	50 mg
Dopamine Drip	1600 mcg/mL	5 gtt/min	IV/IO	Titrate to BP: Max 38 gtt/min	
Epi 1:1,000 IM	1 mg/mL	0.3 mL	IM	Dose =	0.3 mg
Epi 1:10,000 IV	1 mg/10mL	5 mL	IV/IO	0.01 mg/kg	0.5 mg
Etomidate	40 mg/20mL	7.5 mL	IV/IO	0.3 mg/kg	15 mg
Fentanyl	50 mcg/mL	2 mL	IV/IO/IM/IN	2 mcg/kg	100 mcg
Glucagon	1 mg/mL	1 mL	IV/IO/IM/IN	Dose =	1 mg
Lidocaine 2%	100 mg/5mL	2.5 mL	IV/IO	1 mg/kg	50 mg
Lorazepam	2 mg/mL	1 mL	IV/IO/IM/IN	Dose =	2 mg
Magnesium Sulfate	1 g/2mL	4 mL	IV/IO	Dose =	2 g
Midazolam	5 mg/mL	1 mL	IV/IO	0.1 mg/kg	5 mg
Morphine	10 mg/mL	0.4 mL	IV/IO/IM	Dose =	4 mg
Naloxone	2 mg/2mL	0.4 mL	IV/IO/IM/IN	Dose =	0.4 mg
Normal Saline Bolus	0.9%	1000 mL	IV/IO	20 mL/kg	1000 mL
Ondansetron	4 mg/2mL	2 mL	IV/IM	Dose =	4 mg
Rocuronium	10 mg/mL	5 mL	IV/IO	1 mg/kg	50 mg
Solumedrol	125 mg/2mL	1.6 mL	IV/IM	2 mg/kg	100 mg
Succinylcholine	20 mg/mL	3.8 mL	IV/IO	1.5 mg/kg	75 mg
Levophed	32 mcg/mL	9 gtt/min	IV/IO	Titrate to BP: Max 47 gtt/min	
Vecuronium	10 mg/10mL	5 mL	IV/IO	0.1 mg/kg	5 mg

LIFEPAK	JOULES/KG	1ST	2ND	3RD	4TH
Defibrillation	2 → 4 → 6 → 8	100	200	300	360
Cardioversion	1 → 2 → 2 → 2	50	100	100	100

ET TUBE	DISTANCE AT LIP	AirQ	KING
7.5 Uncuffed or 7.0 Cuffed	20 - 22 cm	3.5	3 or 4

VITALS	SBP	90 - 120	HR	60 - 100	RR	16 - 22
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HEALTHEAST MEDICAL TRANSPORTATION
MEDICAL OPERATIONS MANUAL

Reference 6 Handtevy Guidelines

- Option 1 -USE ACTUAL AGE (IF STANDARD SIZED CHILD)
- Option 2 -ESTIMATE AGE USING HANDTEVY LENGTH BASED TAPE (HEAD TO HEEL)

13YR

HealthEast Medical Transportation 60 KG IDEAL WEIGHT

DRUG	CONC	VOL	RT	DOSE/KG	AMOUNT
Adenosine (1st)	6 mg/2mL	2 mL	IV/IO	0.1 mg/kg	6 mg
Adenosine (2nd)	12 mg/2mL	2 mL	IV/IO	0.2 mg/kg	12 mg
Amiodarone (1st)	150 mg/3mL	6 mL	IV/IO	5 mg/kg	300 mg
Amiodarone (2nd)	150 mg/3mL	3 mL	IV/IO	2.5 mg/kg	150 mg
Atropine	1 mg/10mL	10 mL	IV/IO	Dose =	1 mg
Bicarb 8.4%	50 mEq/50mL	50 mL	IV/IO	Dose =	50 mEq
Calcium Chloride 10%	1 g/10mL	10 mL	IV/IO	Dose =	1 g
Calcium Gluconate 10%	1 g/10mL	30 mL	IV/IO	Dose =	3 g
D10W	0.1 g/mL	250 mL	IV/IO	Dose =	25 g
Diphenhydramine	50 mg/mL	1 mL	IV/IO/IM	Dose =	50 mg
Dopamine Drip	1600 mcg/mL	6 gtt/min	IV/IO	Titrate to BP: Max 45 gtt/min	
Epi 1:1,000 IM	1 mg/mL	0.3 mL	IM	Dose =	0.3 mg
Epi 1:10,000 IV	1 mg/10mL	6 mL	IV/IO	0.01 mg/kg	0.6 mg
Etomidate	40 mg/20mL	9 mL	IV/IO	0.3 mg/kg	18 mg
Fentanyl	50 mcg/mL	2 mL	IV/IO/IM/IN	Dose =	100 mcg
Glucagon	1 mg/mL	1 mL	IV/IO/IM/IN	Dose =	1 mg
Lidocaine 2%	100 mg/5mL	3 mL	IV/IO	1 mg/kg	60 mg
Lorazepam	2 mg/mL	1 mL	IV/IO/IM/IN	Dose =	1 mg
Magnesium Sulfate	1 g/2mL	4 mL	IV/IO	Dose =	2 g
Midazolam	5 mg/mL	1 mL	IV/IO	Dose =	5 mg
Morphine	10 mg/mL	0.4 mL	IV/IO/IM	Dose =	4 mg
Naloxone	2 mg/2mL	0.4 mL	IV/IO/IM/IN	Dose =	0.4 mg
Normal Saline Bolus	0.9%	1000 mL	IV/IO	Dose =	1000 mL
Ondansetron	4 mg/2mL	2 mL	IV/IM	Dose =	4 mg
Rocuronium	10 mg/mL	6 mL	IV/IO	1 mg/kg	60 mg
Solumedrol	125 mg/2mL	1.9 mL	IV/IM	2 mg/kg	120 mg
Succinylcholine	20 mg/mL	4.5 mL	IV/IO	1.5 mg/kg	90 mg
Levophed	32 mcg/mL	11 gtt/min	IV/IO	Titrate to BP:Max 56 gtt/min	
Vecuronium	10 mg/10mL	6 mL	IV/IO	0.1 mg/kg	6 mg

LIFEPAK	JOULES/KG	1ST	2ND	3RD	4TH
Defibrillation	2 → 4 → 6 → 8	125	250	360	360
Cardioversion	1 → 2 → 2 → 2	70	125	125	125

ET TUBE	DISTANCE AT LIP	AirQ	KING
7.5 Uncuffed or 7.0 Cuffed	20 - 22 cm	3.5	4

VITALS	SBP	90 - 120	HR	60 - 100	RR	16 - 22
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Reference 6 Handtevy Guidelines

WEAPONS OF MASS DESTRUCTION (WMD) PROTOCOL												
Call Poison Control 800-222-1222		ANTIDOTE										
POISONING		NB	4MO	6 MO	1 YR	3 YR	5 YR	7 YR	9 YR	10 YR	> 11 YR	NOTES
ANTIDOTE		4 KG	6 KG	8 KG	10 KG	15 KG	20 KG	25 KG	30 KG	35 KG	> 40 KG	NOTES
Atropine 0.4 mg/mL	Organophosphates Carbamates Nerve Agents	0.5 mL	0.75 mL	1 mL	1.3 mL	1.9 mL	2.5 mL	3.1 mL	3.8 mL	4.4 mL	5 mL	0.05 mg/kg IV/IO bolus Repeat Q 2-5 min
AtroPen® Auto-injector	Same as Atropine Indication	N/A	0.25 mg	0.5 mg	0.5 mg	0.5 mg	1 mg	1 mg	1 mg	1 mg	2 mg	IM only
Calcium Chloride 10% slow IV bolus	Systemic Hydrofluoric Acid Systemic Fluoride Poison	0.8 mL	1.2 mL	1.6 mL	2 mL	3 mL	4mL	5 mL	6 mL	7 mL	10 mL	Repeat doses may be required
Calcium Gluconate 10% slow IV bolus	Systemic Hydrofluoric Acid Systemic Fluoride Poison	0.8 mL	1.2 mL	1.6 mL	2 mL	3 mL	4mL	5 mL	6 mL	7 mL	10 mL	Repeat doses may be required
Calcium Gluconate Gel	Hydrofluoric Acid Skin Burn	Apply topically using gel or solution										
DuoDote™ Auto-injector (Atropine + 2-PAM)	Organophosphates Nerve Agents	N/A	N/A	N/A	N/A	N/A	N/A	N/A	YES	YES	YES	2.5%-10% topical 9 years and over
Methylene Blue	Methemoglobin Forming Compounds	0.4 mL	0.6 mL	0.8 mL	1 mL	1.5 mL	2 mL	2.5 mL	3 mL	3.5 mL	5 mL	IV/IO slow (5 min)
Pralidoxime (2-PAM)	Organophosphates Nerve Agents	2 mL	3 mL	4 mL	5 mL	7.5 mL	10 mL	12.5 mL	15 mL	17.5 mL	20 mL	IV/IO over 10 min then continuous @5-10 mg/kg/hr
Sodium Nitrite	Cyanide / Nitriles Hydrogen Sulfide	0.8 mL	1.2 mL	1.6 mL	2 mL	3 mL	4 mL	5 mL	6 mL	7 mL	8 mL (max 10 mL)	3% solution IV/IO over 5 minutes
Sodium Thiosulfate	Cyanide Nitriles	5 mL	8 mL	10 mL	12 mL	18 mL	24 mL	30 mL	36mL	42 mL	50 mL (max)	Infuse IV/IO over 10-20 min 25% solution
1. CYANOKIT INSTRUCTIONS		AMOUNT TO REMOVE FROM VIAL (Use Syringe)										
Use these instructions to reconstitute 1 vial. Each vial = 5 g of Hydroxycobalamin		11 mL	17 mL	22 mL	28 mL	42 mL	56 mL	70 mL	84 mL	98 mL	Administer directly from vial over 15 minutes	Can also reconstitute with Normal Saline or Lactated Ringers
2. SELECT ONE (Based on Preference)		INFUSION INSTRUCTIONS										
If using macro/maxi tubing	Drops per minute (gtt/min)	7	11	15	19	28	37	47	56	65	N/A	gtt/min
If using Cyanokit tubing	Drops per minute (gtt/min)	15	23	30	37	56	75	93	112	130	260	gtt/min
If using an infusion pump	Infusion volume (over 15 min)	11 mL	17 mL	22 mL	28 mL	42 mL	56 mL	70 mL	84 mL	98 mL	Entire Volume	Give over 15 min

Reference 6 Handtevy Guidelines

GLASGOW COMA SCALE

Clinical Parameter	Pediatric GCS (Age 2 and Under)	GCS (Age 3 and Over)	Score
Eye Opening	Spontaneous	Spontaneous	4
	To sound	To command	3
	To pain	To pain	2
	None	None	1
Verbal	Age appropriate	Oriented	5
	Cries, irritable	Confused, disoriented	4
	Cries to pain	Inappropriate words	3
	Moans to pain	Incomprehensible sounds	2
	None	None	1
Motor	Spontaneous movement (obeys verbal)	Obeys commands	6
	Withdraws to touch (localizes pain)	Localizes pain	5
	Withdraws to pain	Withdraws	4
	Abnormal flexion to pain (decorticate)	Abnormal flexion to pain	3
	Abnormal extension to pain	Abnormal extension to	2
	None	None	1

A score of 13 or higher correlates with mild brain injury; a score of 9 to 12 correlates with moderate injury; a score of 8 or less represents severe brain injury. Pediatric GCS was validated in 2 years of age or younger.

ADULT AND PEDIATRIC BURN CARE

Rule of Nines

Adult **Peds**

Lund & Browder Chart
Use for Adult or Peds

Anterior **Posterior**

Use Diagram with Chart below

Scattered Burns
Patient's Palm + Fingers = 1% TBSA

Parkland Formula - Fluid Resus	
Use For	Peds $\geq 10\%$ / Adult $\geq 15\%$ TBSA
Initial 24 Hours	4 mL/kg per % TBSA burn <i>Give 1/2 total volume in 1st 8 hrs & second 1/2 of the total volume over next 16 hrs</i>
Next 24 Hours	0.3 - 1 mL/kg per %TBSA burn (Colloid infusion of 5% Albumin)

Lund & Browder Chart (Age Based Est.)					
Body Part	0 YR	1 YR	5 YR	10 YR	15 YR
a. 1/2 of head	9.5%	8.5%	6.5%	5.5%	4.5%
b. 1/2 of thigh	2.75%	3.25%	4%	4.25%	4.25%
c. 1/2 lower leg	2.5%	2.5%	2.75%	3%	3.25%