



PEDIATRIC MEDICATION VOLUME DOSE BY WEIGHT

3-5 KG NEWBORN	Defibrillation (2-4 J/kg)		15 joules		Normal Vital Signs			
	Cardioversion**(1 J/kg)		4 joules		HR: 100-180	Respirations: 30-60	SBP: >60mmHg	
	Medication Concentration	Route	Dose	mLs	Medication Concentration	Route	Dose	mLs
	**Adenosine (1 st dose)	Rapid IV	0.4mg	0.1 mL	**Fentanyl	IN/IV/IM	8 mcg	0.2 mL <i>BHO <2yrs</i>
	3mg/mL				50mcg/mL			
	**Adenosine (2 nd dose)	Rapid IV	0.8mg	0.3 mL	Glucagon	IM	0.5 mg	0.5 mL
	3mg/mL				1mg/mL			
	Albuterol	Neb	2.5mg	3 mL	**Hydroxocobalamin	IV	280 mg <i>Over 15 min</i>	11 mL
	2.5mg/3mL				25mg/mL			
	Amiodarone (VF/pulseless VT)	IV/IO	20mg	0.4 mL	Lidocaine 2%	IO	2 mg	0.1 mL
	50mg/mL				100mg/5mL			
	**Amiodarone (VT w/ pulse)	IV	20mg <i>Over 10 min.</i>	0.4 mL	**Midazolam	IN/IM	0.4 mg	0.1 mL <i>BHO <1yr</i>
	50mg/mL				5mg/mL			
	**Atropine (Bradycardia)	IV/IO	0.1mg	0.1 mL	**Morphine	IV carpujet	0.4 mg	0.1 mL <i>BHO <2yrs</i>
	1mg/mL				4mg/mL			
	**Atropine (Bradycardia)	IV/IO	0.1 mg	1 mL	**Morphine	IV carpujet	0.4 mg	0.4 mL <i>BHO <2yrs</i>
	0.1mg/mL				10mg/10mL			
	Atropine (Organophosphate)	IV	0.1 mg	0.1 mL	**Morphine	IM	0.4 mg	0.05 mL <i>BHO <2yrs</i>
	1mg/mL				10mg/mL			
	Atropine (Organophosphate)	IV	0.1mg	1 mL	Naloxone	IN/IV/IM	0.4 mg	1 mL
	0.1mg/mL				0.8mg/2mL			
	Atropine (Organophosphate)	IM	0.4mg	0.4 mL	Naloxone	IN/IV/IM	0.4 mg	0.4 mL
	1mg/mL				1mg/mL			
	Dextrose 10%	IV	20 mL		Naloxone	IN	Single spray	
	100 mg/mL				4mg/0.1mL			
	Diphenhydramine	IV/IO/IM	4 mg	0.1 ml	Normal Saline	IV/IO	80 mL	
	50mg/mL				0.9% NaCl			
	Epinephrine	IM	0.04 mg	0.04 mL	Normal Saline	Neb	3 mL	
	1mg/mL (1:1000)				0.9% NaCl			
					Ondansetron	ODT	N/A	
					4mg			
	Epinephrine	IV/IO	0.04 mg	0.4 mL	Sodium Bicarbonate	IV/IO	4 mEq	4 mL
	0.1mg/mL (1:10,000)				1mEq/mL			
							1:1 dilution with NS	
	**Base Hospital Order	All milliliters rounded						

3-5 KG
NEWBORN

6-7 kg 3-5 MONTHS	Defibrillation (2-4 J/kg)		20 joules		Normal Vital Signs			
	Cardioversion**(1 J/kg)		6 joules		HR: 100-160	Respirations: 25-40	SBP: >70mmHg	
	Medication Concentration	Route	Dose	mLs	Medication Concentration	Route	Dose	mLs
	**Adenosine (1 st dose)	Rapid IV	0.6 mg	0.2 mL	**Fentanyl	IN/IV/IM	12 mcg	0.25 mL <i>BHO <2yrs</i>
	3mg/mL				50mcg/mL			
	**Adenosine (2 nd dose)	Rapid IV	1.2 mg	0.4 mL	Glucagon	IM	0.5 mg	0.5 mL
	3mg/mL				1mg/mL			
	Albuterol	Neb	5 mg	6 mL	**Hydroxocobalamin	IV	420 mg <i>Over 15 min</i>	17 mL
	2.5mg/3mL				25mg/mL			
	Amiodarone (VF/pulseless VT)	IV/IO	30 mg	0.6 mL	Lidocaine 2%	IO	3 mg	0.15 mL
	50mg/mL				100mg/5mL			
	**Amiodarone (VT w/ pulse)	IV	30 mg <i>Over 10 min.</i>	0.6 mL	**Midazolam	IN/IM	0.6 mg	0.1 mL <i>BHO <1yr</i>
	50mg/mL				5mg/mL			
	**Atropine (Bradycardia)	IV/IO	0.14 mg	0.14 mL	**Morphine	IV carpujet	0.6 mg	0.15 mL <i>BHO <2yrs</i>
	1mg/mL				4mg/mL			
	**Atropine (Bradycardia)	IV/IO	0.14 mg	1.4 mL	**Morphine	IV carpujet	0.6 mg	0.6 mL <i>BHO <2yrs</i>
	0.1mg/mL				10mg/10mL			
	Atropine (Organophosphate)	IV	0.14 mg	0.14 mL	**Morphine	IM	0.6 mg	0.05 mL <i>BHO <2yrs</i>
	1mg/mL				10mg/mL			
	Atropine (Organophosphate)	IV	0.14 mg	1.4 mL	Naloxone	IN/IV/IM	0.6 mg	1.5 mL
	0.1mg/mL				0.8mg/2mL			
	Atropine (Organophosphate)	IM	0.6 mg	0.6 mL	Naloxone	IN/IV/IM	0.6 mg	0.6 mL
	1mg/mL				1mg/mL			
	Dextrose 10%	IV	30 mL		Naloxone	IN	Single spray	
	100 mg/mL				4mg/0.1mL			
	Diphenhydramine	IV/IO/IM	6 mg	0.1 mL	Normal Saline	IV/IO	120 mL	
	50mg/m				0.9% NaCl			
	Epinephrine	IM	0.06 mg	0.06 mL	Normal Saline	Neb	3 mL	
	1mg/mL (1:1000)				0.9% NaCl			
					Ondansetron	ODT	N/A	
					4mg			
	Epinephrine	IV/IO	0.06 mg	0.6 mL	Sodium Bicarbonate	IV/IO	6 mEq	6 mL
	0.1mg/mL (1:10,000)				1mEq/mL			
							1:1 dilution with NS	
	**Base Hospital Order	All milliliters are rounded						

3-5 MONTHS
6-7 KG

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Carl Schultz, MD

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PEDIATRIC MEDICATION VOLUME DOSE BY WEIGHT

8-9 KG 6-11 MONTHS	Defibrillation (2-4 J/kg)		30 joules		Normal Vital Signs			
	Cardioversion** (1 J/kg)		8 joules		HR: 100-160	Respirations: 20-40	SBP: >70mmHg	
	Medication Concentration	Route	Dose	mLs	Medication Concentration	Route	Dose	mLs
	**Adenosine (1 st dose) 3mg/ml	Rapid IV	0.8 mg	0.3 mL	**Fentanyl 50mcg/mL	IN/IV/IM	16 mcg	0.3 mL BHO <2yr
	**Adenosine (2 nd dose) 3mg/ml	Rapid IV	1.6 mg	0.5 mL	Glucagon 1mg/mL	IM	0.5 mg	0.5 mL
	Albuterol 2.5mg/3mL	Neb	5 mg	6 mL	**Hydroxocobalamin 25mg/mL	IV	560 mg Over 15 min	22 mL
	Amiodarone (VF/pulseless VT) 50mg/mL	IV/IO	40 mg	0.8 mL	Lidocaine 2% 100mg/5mL	IO	4 mg	0.2 mL
	**Amiodarone (VT w/ pulse) 50mg/mL	IV	40 mg Over 10 min.	0.8 mL	**Midazolam 5mg/mL	IN/IM	0.8 mg	0.16 mL BHO <1yr
	**Atropine (Bradycardia) 1mg/mL	IV/IO	0.16 mg	0.16 mL	**Morphine 4mg/mL	IV carpujet	0.8 mg	0.2 mL BHO <2yr
	**Atropine (Bradycardia) 0.1mg/mL	IV/IO	0.16 mg	1.6 mL	**Morphine 10mg/10mL	IV carpujet	0.8 mg	0.8 mL BHO <2yr
	Atropine (Organophosphate) 1mg/mL	IV	0.16 mg	0.16 mL	**Morphine 10mg/mL	IM	0.8 mg	0.08 mL BHO <2yr
	Atropine (Organophosphate) 0.1mg/mL	IV	0.16 mg	1.6 mL	Naloxone 0.8mg/2mL	IN/IV/IM	0.8 mg	2 mL
	Atropine (Organophosphate) 1mg/mL	IM	0.8 mg	0.8 mL	Naloxone 1mg/mL	IN/IV/IM	0.8 mg	0.8 mL
	Dextrose 10% 100 mg/mL	IV	40 mL		Naloxone 4mg/0.1mL	IN	Single spray	
	Diphenhydramine 50mg/mL	IV/IO/IM	8 mg	0.15 mL	Normal Saline 0.9% NaCl	IV/IO	160 mL	
	Epinephrine 1mg/mL (1:1000)	IM	0.08 mg	0.08 mL	Normal Saline 0.9% NaCl	Neb	3 mL	
	Epinephrine 0.1mg/mL (1:10,000)	IV/IO	0.08 mg	0.8 mL	Ondansetron 4mg	ODT	N/A	
					Sodium Bicarbonate 1mEq/mL	IV/IO	8 mEq	8 mL
							1:1 dilution with NS	
	**Base Hospital Order				All milliliters rounded			

8-9 KG
6-11 MONTHS

10-11 KG 1 YEAR	Defibrillation (2-4 J/kg)		40 joules		Normal Vital Signs			
	Cardioversion** (1 J/kg)		10 joules		HR: 90-140	Respirations: 24-40	SBP: >70mmHg	
	Medication Concentration	Route	Dose	mLs	Medication Concentration	Route	Dose	mLs
	**Adenosine (1 st dose) 3mg/ml	Rapid IV	1 mg	0.3 mL	**Fentanyl 50mcg/mL	IN/IV/IM	20 mcg	0.4 mL BHO <2yr
	**Adenosine (2 nd dose) 3mg/ml	Rapid IV	2 mg	0.7 mL	Glucagon 1mg/mL	IM	0.5 mg	0.5 mL
	Albuterol 2.5mg/3mL	Neb	5 mg	6 mL	**Hydroxocobalamin 25mg/mL	IV	700 mg Over 15 min	28 mL
	Amiodarone (VF/pulseless VT) 50mg/mL	IV/IO	50 mg	1 mL	Lidocaine 2% 100mg/5mL	IO	5 mg	0.25 mL
	**Amiodarone (VT w/ pulse) 50mg/mL	IV	50 mg Over 10 min.	1 mL	**Midazolam 5mg/mL	IN/IM	1 mg	0.2 mL BHO <1 yr
	**Atropine (Bradycardia) 1mg/mL	IV/IO	0.2 mg	0.2 mL	**Morphine 4mg/mL	IV carpujet	1 mg	0.25 mL BHO <2yr
	**Atropine (Bradycardia) 0.1mg/mL	IV/IO	0.2 mg	2 mL	**Morphine 10mg/10mL	IV carpujet	1 mg	1 mL BHO <2yr
	Atropine (Organophosphate) 1mg/mL	IV	0.2 mg	0.2 mL	**Morphine 10mg/mL	IM	1 mg	0.1 mL BHO <2yr
	Atropine (Organophosphate) 0.1mg/mL	IV	0.2 mg	2 mL	Naloxone 0.8mg/2mL	IN/IV/IM	0.8 mg	2 mL
	Atropine (Organophosphate) 1mg/mL	IM	1 mg	1 mL	Naloxone 1mg/mL	IN/IV/IM	1 mg	1 mL
	Dextrose 10% 100 mg/mL	IV	50 mL		Naloxone 4mg/0.1mL	IN	Single spray	
	Diphenhydramine 50mg/mL	IV/IO/IM	10 mg	0.2 mL	Normal Saline 0.9% NaCl	IV/IO	200 mL	
	Epinephrine 1mg/mL (1:1000)	IM	0.1 mg	0.1 mL	Normal Saline 0.9% NaCl	Neb	3 mL	
	Epinephrine 0.1mg/mL (1:10,000)	IV/IO	0.1 mg	1 mL	Ondansetron 4mg	ODT	N/A	
					Sodium Bicarbonate 1mEq/mL	IV/IO	10 mEq	10 mL
	**Base Hospital Order				All milliliters rounded			

10-11 KG
1 YEAR

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PEDIATRIC MEDICATION VOLUME DOSE BY WEIGHT

12-14 KG 2 YEARS	Defibrillation (2-4 J/kg)		50 joules		Normal Vital Signs				
	Cardioversion**(1 J/kg)		15 joules		HR: 90-140	Respirations:20-30	SBP: >70mmHg		
	Medication Concentration	Route	Dose	mLs	Medication Concentration	Route	Dose	mLs	
**Adenosine (1 st dose) 3mg/mL	Rapid IV	1.2 mg	0.4 mL	**Fentanyl 50mcg/mL	IN/IV/IM	24 mcg	0.5 mL	BHO <2 yrs	
**Adenosine (2 nd dose) 3mg/mL	Rapid IV	2.4 mg	0.8 mL	Glucagon 1mg/mL	IM	0.5 mg	0.5 mL		
Albuterol 2.5mg/3mL	Neb	5 mg	6 mL	**Hydroxocobalamin 25mg/mL	IV	840 mg Over 15 min	34 mL		
Amiodarone (VF/pulseless VT) 50mg/mL	IV/IO	70 mg	1.4 mL	Udocaine 2% 100mg/5 mL	IO	6 mg	0.3 mL		
**Amiodarone (VT w/ pulse) 50mg/mL	IV	70 mg Over 10 min.	1.4 mL	Midazolam 5mg/mL	IN/IM	1.2 mg	0.25 mL		
**Atropine (Bradycardia) 1mg/mL	IV/IO	0.24 mg	0.24 mL	**Morphine 4mg/mL	IV carpujet	1.2 mg	0.3 mL	BHO <2 yrs	
**Atropine (Bradycardia) 0.1mg/mL	IV/IO	0.24 mg	2.4 mL	**Morphine 10mg/10mL	IV carpujet	1.2 mg	1.2 mL	BHO <2 yrs	
Atropine (Organophosphate) 1mg/mL	IV	0.24 mg	0.24 mL	**Morphine 10mg/mL	IM	1.2 mg	0.12 mL	BHO <2 yrs	
Atropine (Organophosphate) 0.1mg/mL	IV	0.24 mg	2.4 mL	Naloxone 0.8mg/2mL	IN/IV/IM	0.8 mg	2 mL		
Atropine (Organophosphate) 1mg/mL	IM	1.2 mg	1.2 mL	Naloxone 1mg/mL	IN/IV/IM	1 mg	1 mL		
Dextrose 10% 100 mg/mL	IV	60 mL		Naloxone 4mg/0.1mL	IN	Single spray			
Diphenhydramine 50mg/mL	IV/IO/IM	12 mg	0.25 mL	Normal Saline 0.9% NaCl	IV/IO	240 mL			
Epinephrine 1mg/mL (1:1000)	IM	0.12 mg	0.12 mL	Normal Saline 0.9% NaCl	Neb	3 mL			
Epinephrine 0.1mg/mL (1:10,000)	IV/IO	0.12 mg	1.2 mL	Ondansetron 4mg	ODT	N/A			
				Sodium Bicarbonate 1mEq/mL	IV/IO	12 mEq	12 mL		
**Base Hospital Order				All milliliters rounded					

12-14 KG
2 YEARS

15-18 KG 3-4 YEARS	Defibrillation (2-4 J/kg)		60 joules		Normal Vital Signs				
	Cardioversion**(1 J/kg)		15 joules		HR: 80-130	Respirations: 20-30	SBP: >75mmHg		
	Medication Concentration	Route	Dose	mLs	Medication Concentration	Route	Dose	mLs	
**Adenosine (1 st dose) 3mg/mL	Rapid IV	1.5 mg	0.5 mL	Fentanyl 50mcg/mL	IN/IV/IM	30 mcg	0.6 mL		
**Adenosine (2 nd dose) 3mg/mL	Rapid IV	3 mg	1 mL	Glucagon 1mg/mL	IM	0.5 mg	0.5 mL		
Albuterol 2.5mg/3mL	Neb	5 mg	6 mL	**Hydroxocobalamin 25mg/mL	IV	1050 mg Over 15 min	42 mL		
Amiodarone (VF/pulseless VT) 50mg/mL	IV/IO	80 mg	1.6 mL	Udocaine 2% 100mg/5 mL	IO	7.5 mg	0.4 mL		
**Amiodarone (VT w/ pulse) 50mg/mL	IV	80 mg Over 10 min.	1.6 mL	Midazolam 5mg/mL	IN/IM	1.5 mg	0.3 mL		
**Atropine (Bradycardia) 1mg/mL	IV/IO	0.3 mg	0.3 mL	Morphine 4mg/mL	IV carpujet	1.5 mg	0.4 mL		
**Atropine (Bradycardia) 0.1mg/mL	IV/IO	0.3 mg	3 mL	Morphine 10mg/10mL	IV carpujet	1.5 mg	1.5 mL		
Atropine (Organophosphate) 1mg/mL	IV	0.3 mg	0.3 mL	Morphine 10mg/mL	IM	1.5 mg	0.15 mL		
Atropine (Organophosphate) 0.1mg/mL	IV	0.3 mg	3 mL	Naloxone 0.8mg/2mL	IN/IV/IM	0.8 mg	2 mL		
Atropine (Organophosphate) 1mg/mL	IM	1.5 mg	1.5 mL	Naloxone 1mg/mL	IN/IV/IM	1 mg	1 mL		
Dextrose 10% 100 mg/mL	IV	75 mL		Naloxone 4mg/0.1mL	IN	Single spray			
Diphenhydramine 50mg/mL	IV/IO/IM	15 mg	0.3 mL	Normal Saline 0.9% NaCl	IV/IO	250 mL			
Epinephrine 1mg/mL (1:1000)	IM	0.15 mg	0.15 mL	Normal Saline 0.9% NaCl	Neb	3 mL			
Epinephrine 0.1mg/mL (1:10,000)	IV/IO	0.15mg	1.5 mL	Ondansetron 4mg	ODT	4 mg Age≥4 years			
				Sodium Bicarbonate 1mEq/mL	IV/IO	15 mEq	15 mL		
**Base Hospital Order				All milliliters rounded					

15-18 KG
3-4 YEARS

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PEDIATRIC MEDICATION VOLUME DOSE BY WEIGHT

19-22 KG 5-6 YEARS	Defibrillation (2-4 J/kg)		75 joules		Normal Vital Signs			
	Cardioversion**(1 J/kg)		20 joules		HR: 70-120	Respirations: 15-30	SBP: >80mmHg	
	Medication Concentration	Route	Dose	mLs	Medication Concentration	Route	Dose	mLs
**Adenosine (1 st dose) 3mg/mL	Rapid IV	2 mg	0.7 mL	Fentanyl 50mcg/mL	IN/IV/IM	40 mcg	0.8 mL	
**Adenosine (2 nd dose) 3mg/mL	Rapid IV	4 mg	1.3 mL	Glucagon 1mg/mL	IM	0.5 mg	0.5 mL	
Albuterol 2.5mg/3mL	Neb	5 mg	6 mL	**Hydroxocobalamin 25mg/mL	IV	1400 mg Over 15 min	56 mL	
Amiodarone (VF/pulseless VT) 50mg/mL	IV/IO	100 mg	2 mL	Lidocaine 2% 100mg/5mL	IO	10 mg	0.5 mL	
**Amiodarone (VT w/ pulse) 50mg/mL	IV	100 mg Over 10 min.	2 mL	Midazolam 5mg/mL	IN/IM	2 mg	0.4 mL	
**Atropine (Bradycardia) 1mg/mL	IV/IO	0.4 mg	0.4 mL	Morphine 4mg/mL	IV carpujet	2 mg	0.5 mL	
**Atropine (Bradycardia) 0.1mg/mL	IV/IO	0.4 mg	4 mL	Morphine 10mg/10mL	IV carpujet	2 mg	2 mL	
Atropine (Organophosphate) 1mg/mL	IV	0.4 mg	0.4 mL	Morphine 10mg/mL	IM	2 mg	0.2 mL	
Atropine (Organophosphate) 0.1mg/mL	IV	0.4 mg	4 mL	Naloxone 0.8mg/2mL	IN/IV/IM	0.8 mg	2 mL	
Atropine (Organophosphate) 1mg/mL	IM	2 mg	2 mL	Naloxone 1mg/mL	IN/IV/IM	1 mg	1 mL	
Dextrose 10% 100 mg/mL	IV	100 mL		Naloxone 4mg/0.1mL	IN	Single spray		
Diphenhydramine 50mg/mL	IV/IO/IM	20 mg	0.4 mL	Normal Saline 0.9% NaCl	IV/IO	250 mL		
Epinephrine 1mg/mL (1:1000)	IM	0.2 mg	0.2 mL	Normal Saline 0.9% NaCl	Neb	3 mL		
Epinephrine 0.1mg/mL (1:10,000)	IV/IO	0.2 mg	2 mL	Ondansetron 4mg	ODT	4 mg		
				Sodium Bicarbonate 1mEq/mL	IV/IO	20 mEq	20 mL	

19-22 KG
5-6 YEARS

**Base Hospital Order All milliliters rounded

23-29 KG 7-8 YEARS	Defibrillation (2-4 J/kg)		100 joules		Normal Vital Signs			
	Cardioversion**(1 J/kg)		30 joules		HR: 70-110	Respirations: 15-30	SBP: >80mmHg	
	Medication Concentration	Route	Dose	mLs	Medication Concentration	Route	Dose	mLs
**Adenosine (1 st dose) 3mg/mL	Rapid IV	2.5 mg	0.85 mL	Fentanyl 50mcg/mL	IN/IV/IM	50 mcg	1 mL	
**Adenosine (2 nd dose) 3mg/mL	Rapid IV	5 mg	1.7 mL	Glucagon 1mg/mL	IM	0.5 mg	0.5 mL	
Albuterol 2.5mg/3mL	Neb	5 mg	6 mL	**Hydroxocobalamin 25mg/mL	IV	1820 mg Over 15 min	73 mL	
Amiodarone (VF/pulseless VT) 50mg/mL	IV/IO	125 mg	2.5 mL	Lidocaine 2% 100mg/5mL	IO	13 mg	0.65 mL	
**Amiodarone (VT w/ pulse) 50mg/mL	IV	125 mg Over 10 min.	2.5 mL	Midazolam 5mg/mL	IN/IM	2.5 mg	0.5 mL	
**Atropine (Bradycardia) 1mg/mL	IV/IO	0.5 mg	0.5 mL	Morphine 4mg/mL	IV carpujet	2.5 mg	0.65 mL	
**Atropine (Bradycardia) 0.1mg/mL	IV/IO	0.5 mg	5 mL	Morphine 10mg/10mL	IV carpujet	2.5 mg	2.5 mL	
Atropine (Organophosphate) 1mg/mL	IV	0.5 mg	0.5 mL	Morphine 10mg/mL	IM	2.5 mg	0.25 mL	
Atropine (Organophosphate) 0.1mg/mL	IV	0.5 mg	5 mL	Naloxone 0.8mg/2mL	IN/IV/IM	0.8 mg	2 mL	
Atropine (Organophosphate) 1mg/mL	IM	2 mg	2 mL	Naloxone 1mg/mL	IN/IV/IM	1 mg	1 mL	
Dextrose 10% 100 mg/mL	IV	130 mL		Naloxone 4mg/0.1mL	IN	Single spray		
Diphenhydramine 50mg/mL	IV/IO/IM	25mg	0.5 mL	Normal Saline 0.9% NaCl	IV/IO	250 mL		
Epinephrine 1mg/mL (1:1000)	IM	0.25 mg	0.25 mL	Normal Saline 0.9% NaCl	Neb	3 mL		
Epinephrine 0.1mg/mL (1:10,000)	IV/IO	0.25 mg	2.5 mL	Ondansetron 4mg	ODT	4 mg		
				Sodium Bicarbonate 1mEq/mL	IV/IO	25 mEq	25 mL	

23-29 KG
7-8 YEARS

**Base Hospital Order All milliliters rounded

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PEDIATRIC MEDICATION VOLUME DOSE BY WEIGHT

30-36 KG 9-10 YEARS	Defibrillation (2-4 J/kg)		100 joules		Normal Vital Signs			
	Cardioversion** (1 J/kg)		30 joules		HR: 60-100	Respirations: 15-20	SBP: >90mmHg	
	Medication Concentration	Route	Dose	mLs	Medication Concentration	Route	Dose	mLs
**Adenosine (1 st dose)	Rapid IV	3.5 mg	1.2 mL	Fentanyl	IN/IV/IM	50 mcg	1 mL	
3mg/mL				50mcg/mL				
**Adenosine (2 nd dose)	Rapid IV	7 mg	2.4 mL	Glucagon	IM	0.5 mg	0.5 mL	
3mg/mL				1mg/mL				
Albuterol	Neb	5 mg	6 mL	**Hydroxocobalamin	IV	2380 mg	95 mL	
2.5mg/3mL				25mg/mL		Over 15 min		
Amiodarone (VF/pulseless VT)	IV/IO	175 mg	3.5 mL	Lidocaine 2%	IO	17 mg	0.85 mL	
50mg/mL				100mg/5mL				
**Amiodarone (VT w/ pulse)	IV	150 mg	3 mL	Midazolam	IN/IM	3.5 mg	0.7 mL	
50mg/mL		Over 10 min.		5mg/mL				
**Atropine (Bradycardia)	IV/IO	0.5 mg	0.5 mL	Morphine	IV	3.5 mg	0.85 mL	
1mg/mL				4mg/mL	carpujet			
**Atropine (Bradycardia)	IV/IO	0.5 mg	5 mL	Morphine	IV	3.5 mg	3.5 mL	
0.1mg/mL				10mg/10mL	carpujet			
Atropine (Organophosphate)	IV	0.7 mg	0.7 mL	Morphine	IM	3.5 mg	0.35 mL	
1mg/mL				10mg/mL				
Atropine (Organophosphate)	IV	0.7 mg	7 mL	Naloxone	IN/IV/IM	0.8 mg	2 mL	
0.1mg/mL				0.8mg/2mL				
Atropine (Organophosphate)	IM	2 mg	2 mL	Naloxone	IN/IV/IM	1 mg	1 mL	
1mg/mL				1mg/mL				
Dextrose 10%	IV	175 mL		Naloxone	IN	Single spray		
100 mg/mL				4mg/0.1mL				
Diphenhydramine	IV/IO/IM	35 mg	0.7 mL	Normal Saline	IV/IO	250 mL		
50mg/mL				0.9% NaCl				
Epinephrine	IM	0.35 mg	0.35 mL	Normal Saline	Neb	3 mL		
1mg/mL (1:1000)				0.9% NaCl				
Epinephrine (Anaphylaxis)	IV/IO	0.3mg	3 mL	Ondansetron	ODT	4 mg		
0.1mg/mL (1:10,000)				4mg				
Epinephrine	IV/IO	0.35 mg	3.5 mL	Sodium Bicarbonate	IV/IO	35 mEq	35 mL	
0.1mg/mL (1:10,000)				1mEq/mL				
**Base Hospital Order				All milliliters rounded				

30-36 KG
9-10 YEARS

37-49 KG (too tall for Broselow) 11-14 YEARS	Defibrillation (2-4 J/kg)		100 joules		Normal Vital Signs			
	Cardioversion** (1 J/kg)		50 joules		HR: 60-100	Respirations: 15-20	SBP: >90mmHg	
	Medication Concentration	Route	Dose	mLs	Medication Concentration	Route	Dose	mLs
**Adenosine (1 st dose)	Rapid IV	4 mg	1.3 mL	Fentanyl	IN/IV/IM	50 mcg	1 mL	
3mg/mL				50mcg/mL				
**Adenosine (2 nd dose)	Rapid IV	8 mg	2.7 mL	Glucagon	IM	0.5 mg	0.5 mL	
3mg/mL				1mg/mL				
Albuterol	Neb	5 mg	6 mL	**Hydroxocobalamin	IV	2800 mg	112 mL	
2.5mg/3mL				25mg/mL		Over 15 min		
Amiodarone (VF/pulseless VT)	IV/IO	200 mg	4 mL	Lidocaine 2%	IO	20 mg	1 mL	
50mg/mL				100mg/5mL				
**Amiodarone (VT w/ pulse)	IV	150 mg	3 mL	Midazolam	IN/IM	4 mg	0.8 mL	
50mg/mL		Over 10 min.		5mg/mL				
**Atropine (Bradycardia)	IV/IO	0.5 mg	0.5 mL	Morphine	IV	4 mg	1 mL	
1mg/mL				4mg/mL	carpujet			
**Atropine (Bradycardia)	IV/IO	0.5 mg	5 mL	Morphine	IV	4 mg	4 mL	
0.1mg/mL				10mg/10mL	carpujet			
Atropine (Organophosphate)	IV	0.8 mg	0.8 mL	Morphine	IM	4 mg	0.4 mL	
1mg/mL				10mg/mL				
Atropine (Organophosphate)	IV	0.8 mg	8 mL	Naloxone	IN/IV/IM	0.8 mg	2 mL	
0.1mg/mL				0.8mg/2mL				
Atropine (Organophosphate)	IM	2 mg	2 mL	Naloxone	IN/IV/IM	1 mg	1 mL	
1mg/mL				1mg/mL				
Dextrose 10%	IV	200 mL		Naloxone	IN	Single spray		
100mg/mL				4mg/0.1mL				
Diphenhydramine	IV/IO/IM	40 mg	0.8 mL	Normal Saline	IV/IO	250 mL		
50mg/mL				0.9% NaCl				
Epinephrine	IM	0.4 mg	0.4 mL	Normal Saline	Neb	3 mL		
1mg/mL (1:1000)				0.9% NaCl				
Epinephrine (Anaphylaxis)	IV/IO	0.3 mg	3 mL	Ondansetron	ODT	4 mg		
0.1mg/mL (1:10,000)				4mg				
Epinephrine	IV/IO	0.4 mg	4 mL	Sodium Bicarbonate	IV/IO	40 mEq	40 mL	
0.1mg/mL (1:10,000)				1mEq/mL				
**Base Hospital Order				All milliliters rounded				

37-49 KG (too tall for Broselow)
11-14 YEARS

Approved:

Carl Schultz, MD

Review Dates:

Initial Release Date: 7/27/2020
Final Implementation Date: 10/01/2020
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