



PEDIATRIC MEDICATION VOLUME DOSE BY WEIGHT

3-5 KG NEWBORN	8-16 joules				Normal Vital Signs				NEWBORN 3-5 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) 3mg/mL	Rapid IV	0.4 mg	0.1 mL	Glucagon 1mg/mL	IM	0.5 mg	0.5 mL		
**Adenosine (2 nd dose) 3mg/mL	Rapid IV	0.8 mg	0.3 mL	**Hydroxocobalamin 25mg/mL	IV	280 mg Over 15 min	11 mL		
Albuterol 2.5mg/3mL	Neb	2.5 mg	3 mL	Lidocaine 2% 100mg/5mL	IO	2 mg	0.15 mL		
Amiodarone (VF/pulseless VT) 50mg/mL	IV/IO	20 mg	0.4 mL	Lidocaine 2% (Cardiac arrest) 100mg/5mL	IV/IO	4 mg	0.2 mL		
**Amiodarone (VT w/ pulse) 50mg/mL	IV	20 mg Over 10 min.	0.4 mL	**Midazolam (Cardioversion) 5mg/mL	IV/IO/IN	0.4 mg	0.1 mL BHO		
**Atropine (Bradycardia) 1mg/mL	IV/IM	0.1 mg	0.1 mL	Midazolam (Seizure) 5mg/mL	IV/IO/IN	0.4mg	0.1mL		
**Atropine (Bradycardia) 0.1mg/mL	IV/IM	0.1 mg	1 mL	Midazolam (Seizure 1 st line) 5mg/mL	IM	0.8 mg	0.16mL		
Atropine (Organophosphate) 1mg/mL	IV	0.1 mg	0.1 mL	**Morphine 4mg/mL	IV carpujet	0.4 mg	0.1 mL BHO <2yrs		
Atropine (Organophosphate) 0.1mg/mL	IV	0.1 mg	1 mL	**Morphine 10mg/10mL	IV carpujet	0.4 mg	0.4 mL BHO <2yrs		
Atropine (Organophosphate) 1mg/mL	IM	0.4 mg	0.4 mL	**Morphine 10mg/mL	IM	0.4 mg	0.05 mL BHO <2yrs		
Dextrose 10% 100 mg/mL	IV	20 mL		Naloxone 0.8mg/2mL	IN/IV/IM	0.4 mg	1 mL		
Diphenhydramine 50mg/mL	IV/IO/IM	4 mg	0.1 mL	Naloxone 1mg/mL	IN/IV/IM	0.4 mg	0.4 mL		
Epinephrine (Anaphylaxis) 1mg/mL (1:1000)	IM	0.04 mg	0.04 mL	Naloxone 4mg/0.1mL	IN	Single spray			
Epinephrine (Anaphylaxis) 0.1mg/mL (1:10,000)	IV/IO	0.04 mg	0.4 mL	Normal Saline 0.9% NaCl	IV/IO	80 mL			
Epinephrine (Cardiac arrest) 0.1mg/mL (1:10,000)	IV/IO	0.04 mg	0.4 mL	Normal Saline 0.9% NaCl	Neb	3 mL			
**Fentanyl 50mcg/mL	IN/IV/IM	8 mcg	0.2 mL BHO <2 yrs	Ondansetron 4mg	ODT	N/A			
				Sodium Bicarbonate 1mEq/mL	IV/IO	4 mEq	4 mL		
				1:1 dilution with NS					
				All milliliters rounded					
**Base Hospital Order									

6-7 kg 3 MONTHS	12-24 joules				Normal Vital Signs				3 MONTHS 6-7 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) 3mg/mL	Rapid IV	0.6 mg	0.2 mL	Glucagon 1mg/mL	IM	0.5 mg	0.5 mL		
**Adenosine (2 nd dose) 3mg/mL	Rapid IV	1.2 mg	0.4 mL	**Hydroxocobalamin 25mg/mL	IV	420 mg Over 15 min	17 mL		
Albuterol 2.5mg/3mL	Neb	5 mg	6 mL	Lidocaine 2% 100mg/5mL	IO	3 mg	0.15 mL		
Amiodarone (VF/pulseless VT) 50mg/mL	IV/IO	30 mg	0.6 mL	Lidocaine 2% (Cardiac arrest) 100mg/5mL	IV/IO	6 mg	0.3 mL		
**Amiodarone (VT w/ pulse) 50mg/mL	IV	30 mg Over 10 min.	0.6 mL	**Midazolam (Cardioversion) 5mg/mL	IV/IO/IN	0.6 mg	0.1 mL BHO		
**Atropine (Bradycardia) 1mg/mL	IV/IM	0.14 mg	0.14 mL	Midazolam (Seizure) 5mg/mL	IV/IO/IN	0.6 mg	0.1 mL		
**Atropine (Bradycardia) 0.1mg/mL	IV/IM	0.14 mg	1.4 mL	Midazolam (Seizure 1 st line) 5mg/mL	IM	1.2 mg	0.24 mL		
Atropine (Organophosphate) 1mg/mL	IV	0.14 mg	0.14 mL	**Morphine 4mg/mL	IV carpujet	0.6 mg	0.15 mL BHO <2yrs		
Atropine (Organophosphate) 0.1mg/mL	IV	0.14 mg	1.4 mL	**Morphine 10mg/10mL	IV carpujet	0.6 mg	0.6 mL BHO <2yrs		
Atropine (Organophosphate) 1mg/mL	IM	0.6 mg	0.6 mL	**Morphine 10mg/mL	IM	0.6 mg	0.05 mL BHO <2yrs		
Dextrose 10% 100 mg/mL	IV	30 mL		Naloxone 0.8mg/2mL	IN/IV/IM	0.6 mg	1.5 mL		
Diphenhydramine 50mg/mL	IV/IO/IM	6 mg	0.1 mL	Naloxone 1mg/mL	IN/IV/IM	0.6 mg	0.6 mL		
Epinephrine (Anaphylaxis) 1mg/mL (1:1000)	IM	0.06 mg	0.06 mL	Naloxone 4mg/0.1mL	IN	Single spray			
Epinephrine (Anaphylaxis) 0.1mg/mL (1:10,000)	IV/IO	0.06 mg	0.6 mL	Normal Saline 0.9% NaCl	IV/IO	120 mL			
Epinephrine (Cardiac arrest) 0.1mg/mL (1:10,000)	IV	0.06 mg	0.6 mL	Normal Saline 0.9% NaCl	Neb	3 mL			
**Fentanyl 50mcg/mL	IN/IV/IM	12 mcg	0.25 mL BHO <2yrs	Ondansetron 4mg	ODT	N/A			
				Sodium Bicarbonate 1mEq/mL	IV/IO	6 mEq	6 mL		
				1:1 dilution with NS					
				All milliliters rounded					
**Base Hospital Order									

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Carl Schultz, MD

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PEDIATRIC MEDICATION VOLUME DOSE BY WEIGHT

8-9 KG 6 MONTHS	Defibrillation (2-4 J/kg) Cardioversion** (1 J/kg)			16-32 joules 8 joules			Normal Vital Signs 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	Glucagon 1mg/mL	IM	0.5 mg	0.5 mL	
**Adenosine (2 nd dose) 3mg/mL	Rapid IV	1.6 mg	0.5 mL	**Hydroxocobalamin 25mg/mL	IV	560 mg Over 15 min	22 mL		
Albuterol 2.5mg/3mL	Neb	5 mg	6 mL	Lidocaine 2% 100mg/5mL	IO	4 mg	0.2 mL		
Amiodarone (VF/pulseless VT) 50mg/mL	IV/IO	40 mg	0.8 mL	Lidocaine 2% (Cardiac arrest) 100mg/5mL	IV/IO	8 mg	0.4 mL		
**Amiodarone (VT w/ pulse) 50mg/mL	IV	40 mg Over 10 min	0.8 mL	**Midazolam (Cardioversion) 5mg/mL	IV/IO/IN	0.8 mg	0.16 mL BHO		
**Atropine (Bradycardia) 1mg/mL	IV/IM	0.16 mg	0.16 mL	Midazolam (Seizure) 5mg/mL	IV/IO/IN	0.8 mL	0.16 mL		
**Atropine (Bradycardia) 0.1mg/mL	IV/IM	0.16 mg	1.6 mL	Midazolam (Seizure 1 st line) 5mg/mL	IM	1.6 mg	0.32 mL		
Atropine (Organophosphate) 1mg/mL	IV	0.16 mg	0.16 mL	**Morphine 4mg/mL	IV carpujet	0.8 mg	0.2 mL BHO <2yrs		
Atropine (Organophosphate) 0.1mg/mL	IV	0.16 mg	1.6 mL	**Morphine 10mg/10mL	IV carpujet	0.8 mg	0.8 mL BHO <2yrs		
Atropine (Organophosphate) 1mg/mL	IM	0.8 mg	0.8 mL	**Morphine 10mg/mL	IM	0.8 mg	0.08 mL BHO <2yrs		
Dextrose 10% 100 mg/mL	IV	40 mL		Naloxone 0.8mg/2mL	IN/IV/IM	0.8 mg	2 mL		
Diphenhydramine 50mg/mL	IV/IO/IM	8 mg	0.15 mL	Naloxone 1mg/mL	IN/IV/IM	0.8 mg	0.8 mL		
Epinephrine 1mg/mL (1:1000)	IM	0.08 mg	0.08 mL	Naloxone 4mg/0.1mL	IN		Single spray		
Epinephrine (Anaphylaxis) 0.1mg/mL (1:10,000)	IV/IO	0.08 mg	0.8 mL	Normal Saline 0.9% NaCl	IV/IO		160 mL		
Epinephrine (Cardiac arrest) 0.1mg/mL (1:10,000)	IV/IO	0.08 mg	0.8 mL	Normal Saline 0.9% NaCl	Neb		3 mL		
**Fentanyl 50mcg/mL	IN/IV/IM	16 mcg	0.3 mL BHO <2yrs	Ondansetron 4mg	ODT		N/A		
				Sodium Bicarbonate 1mEq/mL	IV/IO	8 mEq	8 mL		

**Base Hospital Order

All milliliters rounded

10-11 KG 1 YEAR	Defibrillation (2-4 J/kg) Cardioversion** (1 J/kg)			20-40 joules 10 joules			Normal Vital Signs HR: 90-140 Respirations: 24-40 SBP: >80mmHg		
	Medication Concentration	Route	Dose	mLs	Medication Concentration	Route	Dose	mLs	
	**Adenosine (1 st dose) 3mg/mL	Rapid IV	1 mg	0.3 mL	Glucagon 1mg/mL	IM	0.5 mg	0.5 mL	
**Adenosine (2 nd dose) 3mg/mL	Rapid IV	2 mg	0.7 mL	**Hydroxocobalamin 25mg/mL	IV	700 mg Over 15 min	28 mL		
Albuterol 2.5mg/3mL	Neb	5 mg	6 mL	Lidocaine 2% 100mg/5mL	IO	5 mg	0.25 mL		
Amiodarone (VF/pulseless VT) 50mg/mL	IV/IO	50 mg	1 mL	Lidocaine 2% (Cardiac arrest) 100mg/5mL	IV/IO	10 mg	0.5 mL		
**Amiodarone (VT w/ pulse) 50mg/mL	IV	50 mg Over 10 min	1 mL	**Midazolam (Cardioversion) 5mg/mL	IV/IO/IN	1 mg	0.2 mL BHO		
**Atropine (Bradycardia) 1mg/mL	IV/IM	0.2 mg	0.2 mL	Midazolam (Seizure) 5mg/mL	IV/IO/IN	1 mg	0.2 mL		
**Atropine (Bradycardia) 0.1mg/mL	IV/IM	0.2 mg	2 mL	Midazolam (Seizure 1 st line) 5mg/mL	IM	2 mg	0.4 mL		
Atropine (Organophosphate) 1mg/mL	IV	0.2 mg	0.2 mL	**Morphine 4mg/mL	IV carpujet	1 mg	0.25 mL BHO <2yrs		
Atropine (Organophosphate) 0.1mg/mL	IV	0.2 mg	2 mL	**Morphine 10mg/10mL	IV carpujet	1 mg	1 mL BHO <2yrs		
Atropine (Organophosphate) 1mg/mL	IM	1 mg	1 mL	**Morphine 10mg/mL	IM	1 mg	0.1 mL BHO <2yrs		
Dextrose 10% 100 mg/mL	IV	50 mL		Naloxone 0.8mg/2mL	IN/IV/IM	0.8 mg	2 mL		
Diphenhydramine 50mg/mL	IV/IO/IM	10 mg	0.2 mL	Naloxone 1mg/mL	IN/IV/IM	1 mg	1 mL		
Epinephrine 1mg/mL (1:1000)	IM	0.1 mg	0.1 mL	Naloxone 4mg/0.1mL	IN		Single spray		
Epinephrine (Anaphylaxis) 0.1mg/mL (1:10,000)	IV/IO	0.1 mg	1 mL	Normal Saline 0.9% NaCl	IV/IO		200 mL		
Epinephrine (Cardiac arrest) 0.1mg/mL (1:10,000)	IV/IO	0.1 mg	1 mL	Normal Saline 0.9% NaCl	Neb		3 mL		
**Fentanyl 50mcg/mL	IN/IV/IM	20 mcg	0.4 mL BHO <2yrs	Ondansetron 4mg	ODT		N/A		
				Sodium Bicarbonate 1mEq/mL	IV/IO	10 mEq	10 mL		

**Base Hospital Order

All milliliters rounded

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Carl Schultz, MD

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PEDIATRIC MEDICATION VOLUME DOSE BY WEIGHT

12-14 KG 2 YEARS	Defibrillation (2-4 J/kg) Cardioversion** (1 J/kg)		24-48 joules 15 joules		Normal Vital Signs HR: 90-140 Respirations:20-30 SBP: >80mmHg				12-14 KG 2 YEARS
	Medication Concentration	Route	Dose	mLs	Medication Concentration	Route	Dose	mLs	
	**Adenosine (1 st dose) 3mg/mL	Rapid IV	1.2 mg	0.4 mL	Glucagon 1mg/mL	IM	0.5 mg	0.5 mL	
**Adenosine (2 nd dose) 3mg/mL	Rapid IV	2.4 mg	0.8 mL	**Hydroxocobalamin 25mg/mL	IV	840 mg <i>Over 15 min</i>	34 mL		
Albuterol 2.5mg/3mL	Neb	5 mg	6 mL	Lidocaine 2% 100mg/5mL	IO	6 mg	0.3 mL		
Amiodarone (VF/pulseless VT) 50mg/mL	IV/IO	70 mg	1.4 mL	Lidocaine 2% (Cardiac arrest) 100mg/5mL	IV/IO	12 mg	0.6 mL		
**Amiodarone (VT w/ pulse) 50mg/mL	IV	70 mg <i>Over 10 min.</i>	1.4 mL	**Midazolam (Cardioversion) 5mg/mL	IV/IO/IN	1.2 mg	0.25 mL BHO		
**Atropine (Bradycardia) 1mg/mL	IV/IM	0.24 mg	0.24 mL	Midazolam (Seizure) 5mg/mL	IV/IO/IN	1.2 mg	0.25 mL		
**Atropine (Bradycardia) 0.1mg/mL	IV/IM	0.24 mg	2.4 mL	Midazolam (Seizure 1 st line) 5mg/mL	IM	2.4 mg	0.5 mL		
Atropine (Organophosphate) 1mg/mL	IV	0.24 mg	0.24 mL	**Morphine 4mg/mL	IV carpujet	1.2 mg	0.3 mL BHO <2 yrs		
Atropine (Organophosphate) 0.1mg/mL	IV	0.24 mg	2.4 mL	**Morphine 10mg/10mL	IV carpujet	1.2 mg	1.2 mL BHO <2 yrs		
Atropine (Organophosphate) 1mg/mL	IM	1.2 mg	1.2 mL	**Morphine 10mg/mL	IM	1.2 mg	0.12 mL BHO <2 yrs		
Dextrose 10% 100 mg/mL	IV	60 mL		Naloxone 0.8mg/2mL	IN/IV/IM	0.8 mg	2 mL		
Diphenhydramine 50mg/mL	IV/IO/IM	12 mg	0.25 mL	Naloxone 1mg/mL	IN/IV/IM	1 mg	1 mL		
Epinephrine 1mg/mL (1:1000)	IM	0.12 mg	0.12 mL	Naloxone 4mg/0.1mL	IN	Single spray			
Epinephrine (Anaphylaxis) 0.1mg/mL (1:10,000)	IV/IO	0.12 mg	1.2 mL	Normal Saline 0.9% NaCl	IV/IO	240 mL			
Epinephrine (Cardiac arrest) 0.1mg/mL (1:10,000)	IV/IO	0.12 mg	1.2 mL	Normal Saline 0.9% NaCl	Neb	3 mL			
**Fentanyl 50mcg/mL	IN/IV/IM	24 mcg	0.5 mL BHO <2 yrs	Ondansetron 4mg	ODT	N/A			
				Sodium Bicarbonate 1mEq/mL	IV/IO	12 mEq	12 mL		
**Base Hospital Order				All milliliters rounded					

15-18 KG 3-4 YEARS	Defibrillation (2-4 J/kg) Cardioversion** (1 J/kg)		30-60 joules 15 joules		Normal Vital Signs HR: 80-130 Respirations: 20-30 SBP: >85mmHg				15-18 KG 3-4 YEARS
	Medication Concentration	Route	Dose	mLs	Medication Concentration	Route	Dose	mLs	
	**Adenosine (1 st dose) 3mg/mL	Rapid IV	1.5 mg	0.5 mL	Glucagon 1mg/mL	IM	0.5 mg	0.5 mL	
**Adenosine (2 nd dose) 3mg/mL	Rapid IV	3 mg	1 mL	**Hydroxocobalamin 25mg/mL	IV	1050 mg <i>Over 15 min</i>	42 mL		
Albuterol 2.5mg/3mL	Neb	5 mg	6 mL	Lidocaine 2% 100mg/5mL	IO	7.5 mg	0.4 mL		
Amiodarone (VF/pulseless VT) 50mg/mL	IV/IO	75 mg	1.5 mL	Lidocaine 2% (Cardiac arrest) 100mg/5mL	IV/IO	15 mg	0.8 mL		
**Amiodarone (VT w/ pulse) 50mg/mL	IV	75 mg <i>Over 10 min.</i>	1.5 mL	**Midazolam (Cardioversion) 5mg/mL	IV/IO/IN	1.5 mg	0.3 mL BHO		
**Atropine (Bradycardia) 1mg/mL	IV/IM	0.3 mg	0.3 mL	Midazolam (Seizure) 5mg/mL	IV/IO/IN	1.5 mg	0.3 mL		
**Atropine (Bradycardia) 0.1mg/mL	IV/IM	0.3 mg	3 mL	Midazolam (Seizure 1 st line) 5mg/mL	IM	3 mg	0.6 mL		
Atropine (Organophosphate) 1mg/mL	IV	0.3 mg	0.3 mL	Morphine 4mg/mL	IV carpujet	1.5 mg	0.4 mL		
Atropine (Organophosphate) 0.1mg/mL	IV	0.3 mg	3 mL	Morphine 10mg/10mL	IV carpujet	1.5 mg	1.5 mL		
Atropine (Organophosphate) 1mg/mL	IM	1.5 mg	1.5 mL	Morphine 10mg/mL	IM	1.5 mg	0.15 mL		
Dextrose 10% 0.1mg/mL	IV	75 mL		Naloxone 0.8mg/2mL	IN/IV/IM	0.8 mg	2 mL		
Diphenhydramine 50mg/mL	IV/IO/IM	15 mg	0.3 mL	Naloxone 1mg/mL	IN/IV/IM	1 mg	1 mL		
Epinephrine 1mg/mL (1:1000)	IM	0.15 mg	0.15 mL	Naloxone 4mg/0.1mL	IN	Single spray			
Epinephrine (Anaphylaxis) 0.1mg/mL (1:10,000)	IV/IO	0.15 mg	1.5 mL	Normal Saline 0.9% NaCl	IV/IO	250 mL			
Epinephrine (Cardiac arrest) 0.1mg/mL (1:10,000)	IV/IO	0.15 mg	1.5 mL	Normal Saline 0.9% NaCl	Neb	3 mL			
Fentanyl 50mcg/mL	IN/IV/IM	30 mcg	0.6 mL	Ondansetron 4mg	ODT	4 mg <i>Age ≥4 years</i>			
				Sodium Bicarbonate 1mEq/mL	IV/IO	15 mEq	15 mL		
**Base Hospital Order				All milliliters rounded					

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PEDIATRIC MEDICATION VOLUME DOSE BY WEIGHT

19-22 KG 5-6 YEARS	40-80 joules				Normal Vital Signs			
	Cardioversion** (1 J/kg)				HR: 70-120 Respirations: 15-30 SBP: >85mmHg			
	Medication Concentration	Route	Dose	mLs	Medication Concentration	Route	Dose	mLs
	Defibrillation (2-4 J/kg)							
	Cardioversion** (1 J/kg)							
	**Adenosine (1 st dose)	Rapid IV	2 mg	0.7 mL	Glucagon	IM	0.5 mg	0.5 mL
	3mg/mL				1mg/mL			
	**Adenosine (2 nd dose)	Rapid IV	4 mg	1.3 mL	**Hydroxocobalamin	IV	1400 mg	56 mL
	3mg/mL				25mg/mL		Over 15 min	
	Albuterol	Neb	5 mg	6 mL	Lidocaine 2%	IO	10 mg	0.5 mL
	2.5mg/3mL				100mg/5mL			
	Amiodarone (VF/pulseless VT)	IV/IO	100 mg	2 mL	Lidocaine 2% (Cardiac arrest)	IV/IO	20 mg	1 mL
	50mg/mL				100mg/5mL			
	**Amiodarone (VT w/ pulse)	IV	100 mg	2 mL	**Midazolam (Cardioversion)	IV/IO/IN	2 mg	0.4 mL
	50mg/mL		Over 10 min.		5mg/mL		BHO	
	**Atropine (Bradycardia)	IV/IM	0.4 mg	0.4 mL	Midazolam (Seizure)	IV/IO/IN	2 mg	0.4 mL
	1mg/mL				5mg/mL			
	**Atropine (Bradycardia)	IV/IM	0.4 mg	4 mL	Midazolam (Seizure 1 st line)	IM	4 mg	0.8 mL
	0.1mg/mL				5mg/mL			
	Atropine (Organophosphate)	IV	0.4 mg	0.4 mL	Morphine	IV	2 mg	0.5 mL
	1mg/mL				4mg/mL	carpujet		
	Atropine (Organophosphate)	IV	0.4 mg	4 mL	Morphine	IV	2 mg	2 mL
	0.1mg/mL				10mg/10mL	carpujet		
	Atropine (Organophosphate)	IM	2 mg	2 mL	Morphine	IM	2 mg	0.2 mL
	1mg/mL				10mg/mL			
	Dextrose 10%	IV	100 mL		Naloxone	IN/IV/IM	0.8 mg	2 mL
	100 mg/mL				0.8mg/2mL			
	Diphenhydramine	IV/IO/IM	20 mg	0.4 mL	Naloxone	IN/IV/IM	1 mg	1 mL
	50mg/mL				1mg/mL			
	Epinephrine	IM	0.2 mg	0.2 mL	Naloxone	IN	Single spray	
	1mg/mL (1:1000)				4mg/0.1mL			
	Epinephrine (Anaphylaxis)	IV/IO	0.2 mg	2 mL	Normal Saline	IV/IO	250 mL	
	0.1mg/mL (1:10,000)				0.9% NaCl			
	Epinephrine (Cardiac arrest)	IV/IO	0.2 mg	2 mL	Normal Saline	Neb	3 mL	
	0.1mg/mL (1:10,000)				0.9% NaCl			
	Fentanyl	IN/IV/IM	40 mcg	0.8 mL	Ondansetron	ODT	4 mg	
	50mcg/mL				4mg			
	**Base Hospital Order				Sodium Bicarbonate	IV/IO	20 mEq	20 mL
					1mEq/mL			

All milliliters rounded

24-28 KG 7-8 YEARS	50-100 joules				Normal Vital Signs			
	Cardioversion** (1 J/kg)				HR: 70-110 Respirations: 15-30 SBP: >90mmHg			
	Medication Concentration	Route	Dose	mLs	Medication Concentration	Route	Dose	mLs
	Defibrillation (2-4 J/kg)							
	Cardioversion** (1 J/kg)							
	**Adenosine (1 st dose)	Rapid IV	2.5 mg	0.85 mL	Glucagon	IM	0.5 mg	0.5 mL
	3mg/mL				1mg/mL			
	**Adenosine (2 nd dose)	Rapid IV	5 mg	1.7 mL	**Hydroxocobalamin	IV	1820 mg	73 mL
	3mg/mL				25mg/mL		Over 15 min	
	Albuterol	Neb	5 mg	6 mL	Lidocaine 2%	IO	13 mg	0.65 mL
	2.5mg/3mL				100mg/5mL			
	Amiodarone (VF/pulseless VT)	IV/IO	125 mg	2.5 mL	Lidocaine 2% (Cardiac arrest)	IV/IO	25 mg	1.3 mL
	50mg/mL				100mg/5mL			
	**Amiodarone (VT w/ pulse)	IV	125 mg	2.5 mL	**Midazolam (Cardioversion)	IV/IO/IN	2.5 mg	0.5 mL
	50mg/mL		Over 10 min.		5mg/mL		BHO	
	**Atropine (Bradycardia)	IV/IM	0.5 mg	0.5 mL	Midazolam (Seizure)	IV/IO/IN	2.5 mg	0.5 mL
	1mg/mL				5mg/mL			
	**Atropine (Bradycardia)	IV/IM	0.5 mg	5 mL	Midazolam (Seizure 1 st line)	IM	5 mg	1 mL
	0.1mg/mL				5mg/mL			
	Atropine (Organophosphate)	IV	0.5 mg	0.5 mL	Morphine	IV	2.5 mg	0.65 mL
	1mg/mL				4mg/mL	carpujet		
	Atropine (Organophosphate)	IV	0.5 mg	5 mL	Morphine	IV	2.5 mg	2.5 mL
	0.1mg/mL				10mg/10mL	carpujet		
	Atropine (Organophosphate)	IM	2 mg	2 mL	Morphine	IM	2.5 mg	0.25 mL
	1mg/mL				10mg/mL			
	Dextrose 10%	IV	130 mL		Naloxone	IN/IV/IM	0.8 mg	2 mL
	100 mg/mL				0.8mg/2mL			
	Diphenhydramine	IV/IO/IM	25mg	0.5 mL	Naloxone	IN/IV/IM	1 mg	1 mL
	50mg/mL				1mg/mL			
	Epinephrine	IM	0.25 mg	0.25 mL	Naloxone	IN	Single spray	
	1mg/mL (1:1000)				4mg/0.1mL			
	Epinephrine (Anaphylaxis)	IV/IO	0.25 mg	2.5 mL	Normal Saline	IV/IO	250 mL	
	0.1mg/mL (1:10,000)				0.9% NaCl			
	Epinephrine (Cardiac arrest)	IV/IO	0.25 mg	2.5 mL	Normal Saline	Neb	3 mL	
	0.1mg/mL (1:10,000)				0.9% NaCl			
	Fentanyl	IN/IV/IM	50 mcg	1 mL	Ondansetron	ODT	4 mg	
	50mcg/mL				4mg			
	**Base Hospital Order				Sodium Bicarbonate	IV/IO	25 mEq	25 mL
					1mEq/mL			

All milliliters rounded

Approved:

Carl Schultz, MD

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PEDIATRIC MEDICATION VOLUME DOSE BY WEIGHT

30-36 KG 9-12 YEARS	Defibrillation (2-4 J/kg)		70-140 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	Glucagon	IM	0.5 mg	0.5 mL	
3mg/mL				1mg/mL				
**Adenosine (2 nd dose)	Rapid IV	7 mg	2.4 mL	**Hydroxocobalamin	IV	2380 mg	95 mL	
3mg/mL				25mg/mL		Over 15 min		
Albuterol	Neb	5 mg	6 mL	Lidocaine 2%	IO	17 mg	0.85 mL	
2.5mg/3mL				100mg/5mL				
Amiodarone (VF/pulseless VT)	IV/IO	175 mg	3.5 mL	Lidocaine 2% (Cardiac arrest)	IV/IO	35 mg	1.8 mL	
50mg/mL				100mg/5mL				
**Amiodarone (VT w/ pulse)	IV	150 mg	3 mL	**Midazolam (Cardioversion)	IV/IO/IN	3.5 mg	0.7 mL	
50mg/mL		Over 10 min.		5mg/mL			BHO	
**Atropine (Bradycardia)	IV/IM	0.7 mg	0.7 mL	Midazolam (Seizure)	IV/IO/IN	3.5 mg	0.7 mL	
1mg/mL				5mg/mL				
**Atropine (Bradycardia)	IV/IM	0.7 mg	7 mL	Midazolam (Seizure 1 st line)	IM	7 mg	1.4 mL	
0.1mg/mL				5mg/mL				
Atropine (Organophosphate)	IV	0.7 mg	0.7 mL	Morphine	IV carpujet	3.5 mg	0.85 mL	
1mg/mL				4mg/mL				
Atropine (Organophosphate)	IV	0.7 mg	7 mL	Morphine	IV carpujet	3.5 mg	3.5 mL	
0.1mg/mL				10mg/10mL				
Atropine (Organophosphate)	IM	2 mg	2 mL	Morphine	IM	3.5 mg	0.35 mL	
1mg/mL				10mg/mL				
Dextrose 10%	IV	175 mL		Naloxone	IN/IV/IM	0.8 mg	2 mL	
100 mg/mL				0.8mg/2mL				
Diphenhydramine	IV/IO/IM	35 mg	0.7 mL	Naloxone	IN/IV/IM	1 mg	1 mL	
50mg/mL				1mg/mL				
Epinephrine	IM	0.35 mg	0.35 mL	Naloxone	IN	Single spray		
1mg/mL (1:1000)				4mg/0.1mL				
Epinephrine (Anaphylaxis)	IV/IO	0.3 mg	3 mL	Normal Saline	IV/IO	250 mL		
0.1mg/mL (1:10,000)				0.9% NaCl				
Epinephrine (Cardiac arrest)	IV/IO	0.35 mg	3.5 mL	Normal Saline	Neb	3 mL		
0.1mg/mL (1:10,000)				0.9% NaCl				
Fentanyl	IN/IV/IM	50 mcg	1 mL	Ondansetron	ODT	4 mg		
50mcg/mL				4mg				
				Sodium Bicarbonate	IV/IO	35 mEq	35 mL	
				1mEq/mL				
**Base Hospital Order	All milliliters rounded							

37-49 KG (too tall for Broselow) 11-14 YEARS	Defibrillation (2-4 J/kg)		80-160 joules		Normal Vital Signs			
	Cardioversion** (1 J/kg)		40 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	Glucagon	IM	0.5 mg	0.5 mL	
3mg/mL				1mg/mL				
**Adenosine (2 nd dose)	Rapid IV	8 mg	2.7 mL	**Hydroxocobalamin	IV	2800 mg	112 mL	
3mg/mL				25mg/mL		Over 15 min		
Albuterol	Neb	5 mg	6 mL	Lidocaine 2%	IO	20 mg	1 mL	
2.5mg/3mL				100mg/5mL				
Amlodaron (VF/pulseless VT)	IV/IO	200 mg	4 mL	Lidocaine 2% (Cardiac arrest)	IV/IO	40 mg	2 mL	
50mg/mL				100mg/5mL				
**Amiodarone (VT w/ pulse)	IV	150 mg	3 mL	**Midazolam (cardioversion)	IV/IO/IN	4 mg	0.8 mL	
50mg/mL		Over 10 min.		5mg/mL			BHO	
**Atropine (Bradycardia)	IV/IM	0.8 mg	0.8 mL	Midazolam (Seizure)	IV/IO/IN	4 mg	0.8 mL	
1mg/mL				5mg/mL				
**Atropine (Bradycardia)	IV/IM	0.8 mg	8 mL	Midazolam (Seizure 1 st line)	IM	8 mg	1.6 mL	
0.1mg/mL				5mg/mL				
Atropine (Organophosphate)	IV	0.8 mg	0.8 mL	Morphine	IV carpujet	4 mg	1 mL	
1mg/mL				4mg/mL				
Atropine (Organophosphate)	IV	0.8 mg	8 mL	Morphine	IV carpujet	4 mg	4 mL	
0.1mg/mL				10mg/10mL				
Atropine (Organophosphate)	IM	2 mg	2 mL	Morphine	IM	4 mg	0.4 mL	
1mg/mL				10mg/mL				
Dextrose 10%	IV	200 mL		Naloxone	IN/IV/IM	0.8 mg	2 mL	
0.1mg/mL				0.8mg/2mL				
Diphenhydramine	IV/IO/IM	40 mg	0.8 mL	Naloxone	IN/IV/IM	1 mg	1 mL	
50mg/mL				1mg/mL				
Epinephrine	IM	0.4 mg	0.4 mL	Naloxone	IN	Single spray		
1mg/mL (1:1000)				4mg/0.1mL				
Epinephrine (Anaphylaxis)	IV/IO	0.3 mg	3 mL	Normal Saline	IV/IO	250 mL		
0.1mg/mL (1:10,000)				0.9% NaCl				
Epinephrine (Cardiac arrest)	IV/IO	0.4 mg	4 mL	Normal Saline	Neb	3 mL		
0.1mg/mL (1:10,000)				0.9% NaCl				
Fentanyl	IN/IV/IM	50 mcg	1 mL	Ondansetron	ODT	4 mg		
50mcg/mL				4mg				
				Sodium Bicarbonate	IV/IO	40 mEq	40 mL	
				1mEq/mL				
**Base Hospital Order	All milliliters rounded							

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