

**Age Range:                    NEWBORN IMMEDIATELY POST DELIVERY WITH PERSISTENT HR < 60 IN SPITE OF BVM AND COMPRESSIONS**

<b>Approximate kg:</b>	<b>0.5 - 4</b>
<b>Approximate lbs:</b>	<b>1.1 - 8.8</b>

Neonatal Code Medications							
Drug	Dose	0.5 kg / 1.1 lb	1 kg / 2.2 lb	2 kg / 4.4 lb	3 kg / 6.6 lb	4 kg / 8.8 lb	Administration
Epinephrine IV/IO  Concentration: 0.1 mg/ml 1 mg/10 ml	0.02 mg/kg Equal to 0.2 ml/kg	0.01 mg  0.1 ml	0.02 mg  0.2 ml	0.04 mg  0.4 ml	0.06 mg  0.6 ml	0.08 mg  0.8 ml	IV/IO rapid push Flush with 3 ml NS Repeat every 3-5 min if HR < 60 bpm
NORMAL SALINE IV 0.9% NaCl	10 ml/kg	5 ml	10 ml	20 ml	30 ml	40 ml	Give over 5-10 min

**For all other medications or electrical administration, refer to appropriate length-based tape card.**

LBRT color:

Gray

**Age Range:** <3 months**Approximate kg:** 5**Approximate lbs:** 6 to 12**NG Tube Size:** 5 fr

	1st	Repeat	Dose
<b>Defib:</b>	10 J	20 J	2-4 J/kg
<b>Cardiovert:</b>	5 J	10 J	1-2 J/kg

(or clinically equivalent biphasic dose)

Nomal Vital Signs	HR: 120-170	RR: 30-50	SBP: 50-70
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<u>VOLUME</u>	<u>MEDICATION</u>	<u>DOSE</u>	<u>CONCENTRATION</u>
<b>NOT USED</b>	Acetaminophen (Tylenol) <b>IV / IO</b>	<b>NOT USED</b>	1gm / 100ml
0.2 ml	Adenosine <b>IV - 1st</b>	0.5 mg Rapid	6mg / 2ml
0.3 ml	Adenosine <b>IV - 2nd / 3rd</b>	1 mg Rapid	6mg / 2ml
3 ml	Albuterol <b>Nebulized</b>	2.5 mg	2.5mg / 3ml
0.5 ml	Amiodarone <b>IV / IO</b>	25 mg over 20-60 min	150mg / 3ml
1 ml	Atropine <b>IV / IO</b>	0.1 mg	1mg / 10ml
1 ml	Calcium Chloride 10% <b>IV / IO</b>	100 mg	1g / 10ml
24 ml	Charcoal <b>PO</b>	5 g	25g / 120ml or 50g / 240m
25 ml	Dextrose 10% <b>IV / IO</b>	2.5 g	25g / 250ml
10 ml	Dextrose 25% <b>IV / IO</b>	2.5 g	12.5g / 50ml
0.1 ml	Diphenhydramine (Benadryl) <b>IV / IO / IM</b>	5 mg	50mg / 1ml
0.5 ml	Epinephrine (1:1,000) <b>ET</b>	0.5 mg	1mg / 1ml
0.1 ml	Epinephrine (1:1,000) <b>IM</b>	0.05 mg	1mg / 1ml
2.5 ml + 2-3ml NS	Epinephrine (1:1,000) <b>Nebulized</b>	2.5 mg	1mg / 1ml
0.5 ml	Epinephrine (1:10,000) <b>IV / IO</b>	0.05 mg	1mg / 10ml
0.5 ml	Epinephrine (1:100,000) <b>Push Dose</b>	5 mcg	10mcg / 1 ml
0.2 ml	Fentanyl Citrate <b>IN</b>	7.5 mcg	100mcg / 2ml
0.1 ml	Fentanyl Citrate <b>IV / IO / IM</b>	5 mcg Slow	100mcg / 2ml
0.3 ml	Glucagon <b>IM / IV / IO</b>	0.25 unit	1u / 1ml
1.25 ml	Ipratropium (Atrovent) <b>Nebulized</b>	0.25 mg	0.5mg / 2.5ml
<b>NOT USED</b>	Ketorolac (Toradol) <b>IV / IM / IO</b>	<b>NOT USED</b>	30mg / 1ml
0.3 ml	Lidocaine 2% <b>IV / IO</b>	5 mg Slow	100mg / 5ml
0.2 ml	Midazolam (Versed) <b>IN</b>	1 mg	5mg / 1ml
0.2 ml	Midazolam (Versed) <b>IM</b>	1 mg	5mg / 1ml
0.1 ml	Midazolam (Versed) <b>IV / IO</b>	0.5 mg Slow	5mg / 1ml
0.1 ml	Morphine Sulfate <b>IV / IM / IO</b>	0.5 mg Slow	10mg / 1ml
0.5 ml	Naloxone (Narcan) <b>IN / IV / IO / IM</b>	0.5 mg	2mg / 2ml
100 ml	Normal Saline Bolus <b>IV / IO</b>	100 ml	Standard
<b>NOT USED</b>	Ondansetron (Zofran) <b>IV / IM / IO</b>	<b>NOT USED</b>	4mg / 2ml
<b>NOT USED</b>	Ondansetron (Zofran) <b>PO-ODT</b>	<b>NOT USED</b>	4mg tablet
5 ml	Sodium Bicarbonate <b>IV / IO</b>	5 mEq	50mEq / 50ml

LBRT color:

Pink

**Age Range:** 3 to 5 months  
**Approximate kg:** 6  
**Approximate lbs:** 12 to 15  
**NG Tube Size:** 5 fr

	1st	Repeat	Dose
<b>Defib:</b>	14 J	28 J	2-4 J/kg
<b>Cardiovert:</b>	7 J	14 J	1-2 J/kg

(or clinically equivalent biphasic dose)

Nomal Vital Signs	HR: 100-170	RR: 30-50	SBP: 70-100
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<u>VOLUME</u>	<u>MEDICATION</u>	<u>DOSE</u>	<u>CONCENTRATION</u>
<b>NOT USED</b>	Acetaminophen (Tylenol) <b>IV / IO</b>	<b>NOT USED</b>	1gm / 100ml
0.2 ml	Adenosine <b>IV - 1st</b>	0.6 mg Rapid	6mg / 2ml
0.4 ml	Adenosine <b>IV - 2nd / 3rd</b>	1.2 mg Rapid	6mg / 2ml
3 ml	Albuterol <b>Nebulized</b>	2.5 mg	2.5 mg / 3 ml
0.6 ml	Amiodarone <b>IV / IO</b>	30 mg over 20-60 min	150 mg / 3 ml
1.2 ml	Atropine <b>IV / IO</b>	0.12 mg	1 mg / 10 ml
1.2 ml	Calcium Chloride 10% <b>IV / IO</b>	120 mg	1 g / 10 ml
29 ml	Charcoal <b>PO</b>	6 g	25 g / 120ml or 50g / 240ml
30 ml	Dextrose 10% <b>IV / IO</b>	3 g	25g / 250ml
12 ml	Dextrose 25% <b>IV / IO</b>	3 g	12.5g / 50ml
0.1 ml	Diphenhydramine (Benadryl) <b>IV / IO / IM</b>	6 mg	50mg / 1ml
0.6 ml	Epinephrine (1:1,000) <b>ET</b>	0.6 mg	1mg / 1ml
0.1 ml	Epinephrine (1:1,000) <b>IM</b>	0.06 mg	1mg / 1ml
2.5 ml + 2-3ml NS	Epinephrine (1:1,000) <b>Nebulized</b>	2.5 mg	1mg / 1ml
0.6 ml	Epinephrine (1:10,000) <b>IV / IO</b>	0.06 mg	1mg / 10ml
0.6 ml	Epinephrine (1:100,000) <b>Push Dose</b>	6 mcg	10 mcg / 1 ml
0.2 ml	Fentanyl Citrate <b>IN</b>	9 mcg	100mcg / 2ml
0.1 ml	Fentanyl Citrate <b>IV / IO / IM</b>	6 mcg Slow	100mcg / 2ml
0.3 ml	Glucagon <b>IM / IV / IO</b>	0.3 unit	1u / 1ml
1.25 ml	Ipratropium (Atrovent) <b>Nebulized</b>	0.25 mg	0.5mg / 2.5ml
<b>NOT USED</b>	Ketorolac (Toradol) <b>IV / IM / IO</b>	<b>NOT USED</b>	30mg / 1ml
0.3 ml	Lidocaine 2% <b>IV / IO</b>	6 mg Slow	100mg / 5ml
0.2 ml	Midazolam (Versed) <b>IN</b>	1.2 mg	5mg / 1ml
0.2 ml	Midazolam (Versed) <b>IM</b>	1.2 mg	5mg / 1ml
0.1 ml	Midazolam (Versed) <b>IV / IO</b>	0.6 mg Slow	5mg / 1ml
0.1 ml	Morphine Sulfate <b>IV / IM / IO</b>	0.6 mg Slow	10mg / 1ml
0.6 ml	Naloxone (Narcan) <b>IN / IV / IO / IM</b>	0.6 mg	2mg / 2ml
120 ml	Normal Saline 20 ml/kg Bolus <b>IV / IO</b>	120 ml	Standard
<b>NOT USED</b>	Ondansetron (Zofran) <b>IV / IM / IO</b>	<b>NOT USED</b>	4mg / 2ml
<b>NOT USED</b>	Ondansetron (Zofran) <b>PO-ODT</b>	<b>NOT USED</b>	4mg tablet
6 ml	Sodium Bicarbonate <b>IV / IO</b>	6 mEq	50mEq / 50ml

LBRT color:

**Red**

**Age Range:** 6 to 11 months  
**Approximate kg:** 8  
**Approximate lbs:** 15 to 17  
**NG Tube Size:** 5 to 8 fr

	1st	Repeat	Dose
<b>Defib:</b>	16 J	32 J	2-4 J/kg
<b>Cardiovert:</b>	8 J	16 J	1-2 J/kg

(or clinically equivalent biphasic dose)

Nomal Vital Signs	HR: 100-170	RR: 30-50	SBP: 70-100
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VOLUME	MEDICATION	DOSE	CONCENTRATION
<b>NOT USED</b>	Acetaminophen (Tylenol) <b>IV / IO</b>	<b>NOT USED</b>	1gm / 100ml
0.3 ml	Adenosine <b>IV - 1st</b>	0.8 mg Rapid	6mg / 2ml
0.5 ml	Adenosine <b>IV - 2nd / 3rd</b>	1.6 mg Rapid	6mg / 2ml
3 ml	Albuterol <b>Nebulized</b>	2.5 mg	2.5mg / 3ml
0.8 ml	Amiodarone <b>IV / IO</b>	40 mg over 20-60 min	150mg / 3ml
1.6 ml	Atropine <b>IV / IO</b>	0.16 mg	1mg / 10ml
1.6 ml	Calcium Chloride 10% <b>IV / IO</b>	160 mg	1g / 10ml
38 ml	Charcoal <b>PO</b>	8 g	25g / 120ml or 50g / 240m
40 ml	Dextrose 10% <b>IV / IO</b>	4 g	25g / 250ml
16 ml	Dextrose 25% <b>IV / IO</b>	4 g	12.5g / 50ml
0.2 ml	Diphenhydramine (Benadryl) <b>IV / IO / IM</b>	10 mg	50mg / 1ml
0.8 ml	Epinephrine (1:1,000) <b>ET</b>	0.8 mg	1mg / 1ml
0.1 ml	Epinephrine (1:1,000) <b>IM</b>	0.08 mg	1mg / 1ml
2.5 ml + 2-3ml NS	Epinephrine (1:1,000) <b>Nebulized</b>	2.5 mg	1mg / 1ml
0.8 ml	Epinephrine (1:10,000) <b>IV / IO</b>	0.08 mg	1mg / 10ml
0.8 ml	Epinephrine (1:100,000) <b>Push Dose</b>	8 mcg	10mcg / 1 ml
0.2 ml	Fentanyl Citrate <b>IN</b>	12 mcg	100mcg / 2ml
0.2 ml	Fentanyl Citrate <b>IV / IO / IM</b>	8 mcg Slow	100mcg / 2ml
0.4 ml	Glucagon <b>IM / IV / IO</b>	0.4 unit	1u / 1ml
1.25 ml	Ipratropium (Atrovent) <b>Nebulized</b>	0.25 mg	0.5mg / 2.5ml
<b>NOT USED</b>	Ketorolac (Toradol) <b>IV / IM / IO</b>	<b>NOT USED</b>	30mg / 1ml
0.4 ml	Lidocaine 2% <b>IV / IO</b>	8 mg Slow	100mg / 5ml
0.3 ml	Midazolam (Versed) <b>IN</b>	1.6 mg	5mg / 1ml
0.3 ml	Midazolam (Versed) <b>IM</b>	1.6 mg	5mg / 1ml
0.2 ml	Midazolam (Versed) <b>IV / IO</b>	0.8 mg Slow	5mg / 1ml
0.1 ml	Morphine Sulfate <b>IV / IM / IO</b>	0.8 mg Slow	10mg / 1ml
0.8 ml	Naloxone (Narcan) <b>IN / IV / IO / IM</b>	0.8 mg	2mg / 2ml
160 ml	Normal Saline Bolus <b>IV / IO</b>	160 ml	Standard
0.6 ml	Ondansetron (Zofran) <b>IV / IM / IO</b>	1.2 mg	4mg / 2ml
0.5 Tablet	Ondansetron (Zofran) <b>PO-ODT</b>	2 mg	4mg tablet
8 ml	Sodium Bicarbonate <b>IV / IO</b>	8 mEq	50mEq / 50ml

LBRT color:

**Purple**

**Age Range:** 12 to 24 months  
**Approximate kg:** **10**  
**Approximate lbs:** **20 to 25**  
**NG Tube Size:** **8 to 10 fr**

	1st	Repeat	Dose
<b>Defib:</b>	20 J	40 J	2-4 J/kg
<b>Cardiovert:</b>	10 J	20 J	1-2 J/kg

(or clinically equivalent biphasic dose)

<b>Nomal Vital Signs</b>	<b>HR: 100-170</b>	<b>RR: 22-40</b>	<b>SBP: 80-110</b>
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<u>VOLUME</u>	<u>MEDICATION</u>	<u>DOSE</u>	<u>CONCENTRATION</u>
<b>NOT USED</b>	Acetaminophen (Tylenol) <b>IV / IO</b>	<b>NOT USED</b>	1gm / 100ml
0.3 ml	Adenosine <b>IV - 1st</b>	1 mg Rapid	6mg / 2ml
0.7 ml	Adenosine <b>IV - 2nd / 3rd</b>	2 mg Rapid	6mg / 2ml
3 ml	Albuterol <b>Nebulized</b>	2.5 mg	2.5mg / 3ml
1 ml	Amiodarone <b>IV / IO</b>	50 mg over 20-60 min	150mg / 3ml
2 ml	Atropine <b>IV / IO</b>	0.2 mg	1mg / 10ml
2 ml	Calcium Chloride 10% <b>IV / IO</b>	200 mg	1g / 10ml
48 ml	Charcoal <b>PO</b>	10 g	25g / 120ml or 50g / 240ml
50 ml	Dextrose 10% <b>IV / IO</b>	5 g	25g / 250ml
20 ml	Dextrose 25% <b>IV / IO</b>	5 g	12.5g / 50ml
0.2 ml	Diphenhydramine (Benadryl) <b>IV / IO / IM</b>	10 mg	50mg / 1ml
1 ml	Epinephrine (1:1,000) <b>ET</b>	1 mg	1mg / 1ml
0.1 ml	Epinephrine (1:1,000) <b>IM</b>	0.1 mg	1mg / 1ml
2.5 ml + 2-3ml NS	Epinephrine (1:1,000) <b>Nebulized</b>	2.5 mg	1mg / 1ml
1 ml	Epinephrine (1:10,000) <b>IV / IO</b>	0.1 mg	1mg / 10ml
1 ml	Epinephrine (1:100,000) <b>Push Dose</b>	10 mcg	10mcg / 1 ml
0.3 ml	Fentanyl Citrate <b>IN</b>	15 mcg	100mcg / 2ml
0.2 ml	Fentanyl Citrate <b>IV / IO / IM</b>	10 mcg Slow	100mcg / 2ml
0.5 ml	Glucagon <b>IM / IV / IO</b>	0.5 unit	1u / 1ml
1.25 ml	Ipratropium (Atrovent) <b>Nebulized</b>	0.25 mg	0.5mg / 2.5ml
0.2 ml	Ketorolac (Toradol) <b>IV / IM / IO</b>	5 mg	30mg / 1ml
0.5 ml	Lidocaine 2% <b>IV / IO</b>	10 mg Slow	100mg / 5ml
0.4 ml	Midazolam (Versed) <b>IN</b>	2 mg	5mg / 1ml
0.4 ml	Midazolam (Versed) <b>IM</b>	2 mg	5mg / 1ml
0.2 ml	Midazolam (Versed) <b>IV / IO</b>	1 mg Slow	5mg / 1ml
0.1 ml	Morphine Sulfate <b>IV / IM / IO</b>	1 mg Slow	10mg / 1ml
1 ml	Naloxone (Narcan) <b>IN / IV / IO / IM</b>	1 mg	2mg / 2ml
200 ml	Normal Saline Bolus <b>IV / IO</b>	200 ml	Standard
0.8 ml	Ondansetron (Zofran) <b>IV / IM / IO</b>	1.6 mg	4mg / 2ml
0.5 Tablet	Ondansetron (Zofran) <b>PO-ODT</b>	2 mg	4mg tablet
10 ml	Sodium Bicarbonate <b>IV / IO</b>	10 mEq	50mEq / 50ml

LBRT color:

**Yellow**

**Age Range:** **2 Years**  
**Approximate kg:** **12**  
**Approximate lbs:** **25 to 30**  
**NG Tube Size:** **10 fr**

	1st	Repeat	Dose
<b>Defib:</b>	24 J	48 J	2-4 J/kg
<b>Cardiovert:</b>	12 J	24 J	1-2 J/kg

(or clinically equivalent biphasic dose)

<b>Nomal Vital Signs</b>	<b>HR: 100-170</b>	<b>RR: 30-40</b>	<b>SBP: 80-110</b>
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<b>VOLUME</b>	<b>MEDICATION</b>	<b>DOSE</b>	<b>CONCENTRATION</b>
18 ml	Acetaminophen (Tylenol) <b>IV / IO</b>	180 mg	1gm / 100ml
0.4 ml	Adenosine <b>IV - 1st</b>	1.2 mg Rapid	6mg / 2ml
0.8 ml	Adenosine <b>IV - 2nd / 3rd</b>	2.4 mg Rapid	6mg / 2ml
3 ml	Albuterol <b>Nebulized</b>	2.5 mg	2.5mg / 3ml
1.2 ml	Amiodarone <b>IV / IO</b>	60 mg over 20-60 min	150mg / 3ml
2.4 ml	Atropine <b>IV / IO</b>	0.24 mg	1mg / 10ml
2.4 ml	Calcium Chloride 10% <b>IV / IO</b>	240 mg	1g / 10ml
58 ml	Charcoal <b>PO</b>	12 g	25g / 120ml or 50g / 240ml
60 ml	Dextrose 10% <b>IV / IO</b>	6 g	25g / 250ml
24 ml	Dextrose 25% <b>IV / IO</b>	6 g	12.5g / 50ml
0.2 ml	Diphenhydramine (Benadryl) <b>IV / IO / IM</b>	10 mg	50mg / 1ml
1.2 ml	Epinephrine (1:1,000) <b>ET</b>	1.2 mg	1mg / 1ml
0.1 ml	Epinephrine (1:1,000) <b>IM</b>	0.12 mg	1mg / 1ml
5 ml + 2-3ml NS	Epinephrine (1:1,000) <b>Nebulized</b>	5 mg	1mg / 1ml
1.2 ml	Epinephrine (1:10,000) <b>IV / IO</b>	0.12 mg	1mg / 10ml
1 ml	Epinephrine (1:100,000) <b>Push Dose</b>	10 mcg	10mcg / 1 ml
0.4 ml	Fentanyl Citrate <b>IN</b>	18 mcg	100mcg / 2ml
0.2 ml	Fentanyl Citrate <b>IV / IO / IM</b>	12 mcg Slow	100mcg / 2ml
0.6 ml	Glucagon <b>IM / IV / IO</b>	0.6 unit	1u / 1ml
1.25 ml	Ipratropium (Atrovent) <b>Nebulized</b>	0.25 mg	0.5mg / 2.5ml
0.2 ml	Ketorolac (Toradol) <b>IV / IM / IO</b>	6 mg	30mg / 1ml
0.6 ml	Lidocaine 2% <b>IV / IO</b>	12 mg Slow	100mg / 5ml
0.5 ml	Midazolam (Versed) <b>IN</b>	2.4 mg	5mg / 1ml
0.5 ml	Midazolam (Versed) <b>IM</b>	2.4 mg	5mg / 1ml
0.2 ml	Midazolam (Versed) <b>IV / IO</b>	1.2 mg Slow	5mg / 1ml
0.1 ml	Morphine Sulfate <b>IV / IM / IO</b>	1.2 mg Slow	10mg / 1ml
1.2 ml	Naloxone (Narcan) <b>IN / IV / IO / IM</b>	1.2 mg	2mg / 2ml
240 ml	Normal Saline Bolus <b>IV / IO</b>	240 ml	Standard
0.9 ml	Ondansetron (Zofran) <b>IV / IM / IO</b>	1.8 mg	4mg / 2ml
0.5 Tablet	Ondansetron (Zofran) <b>PO-ODT</b>	2 mg	4mg tablet
12 ml	Sodium Bicarbonate <b>IV / IO</b>	12 mEq	50mEq / 50ml

<b>LBRT color:</b>	<b>White</b>
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**Age Range:** 3-4 Years  
**Approximate kg:** 15  
**Approximate lbs:** 30 to 40  
**NG Tube Size:** 10 fr

	1st	Repeat	Dose
<b>Defib:</b>	30 J	60 J	2-4 J/kg
<b>Cardiovert:</b>	15 J	30 J	1-2 J/kg

(or clinically equivalent biphasic dose)

<b>Normal Vital Signs</b>	<b>HR: 100-160</b>	<b>RR: 20-30</b>	<b>SBP: 80-110</b>
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<u>VOLUME</u>	<u>MEDICATION</u>	<u>DOSE</u>	<u>CONCENTRATION</u>
23 ml	Acetaminophen (Tylenol) <b>IV / IO</b>	225 mg	1gm / 100ml
0.5 ml	Adenosine <b>IV - 1st</b>	1.5 mg Rapid	6mg / 2ml
1 ml	Adenosine <b>IV - 2nd / 3rd</b>	3 mg Rapid	6mg / 2ml
3 ml	Albuterol <b>Nebulized</b>	2.5 mg	2.5mg / 3ml
1.5 ml	Amiodarone <b>IV / IO</b>	75 mg over 20-60 min	150mg / 3ml
3 ml	Atropine <b>IV / IO</b>	0.3 mg	1mg / 10ml
3 ml	Calcium Chloride 10% <b>IV / IO</b>	300 mg	1g / 10ml
72 ml	Charcoal <b>PO</b>	15 g	25g / 120ml or 50g / 240m
75 ml	Dextrose 10% <b>IV / IO</b>	7.5 g	25g / 250ml
30 ml	Dextrose 25% <b>IV / IO</b>	7.5 g	12.5g / 50ml
0.3 ml	Diphenhydramine (Benadryl) <b>IV / IO / IM</b>	15 mg	50mg / 1ml
1.5 ml	Epinephrine (1:1,000) <b>ET</b>	1.5 mg	1mg / 1ml
0.2 ml	Epinephrine (1:1,000) <b>IM</b>	0.15 mg	1mg / 1ml
5 ml + 2-3ml NS	Epinephrine (1:1,000) <b>Nebulized</b>	5 mg	1mg / 1ml
1.5 ml	Epinephrine (1:10,000) <b>IV / IO</b>	0.15 mg	1mg / 10ml
1 ml	Epinephrine (1:100,000) <b>Push Dose</b>	10 mcg	10mcg / 1 ml
0.5 ml	Fentanyl Citrate <b>IN</b>	22.5 mcg	100mcg / 2ml
0.3 ml	Fentanyl Citrate <b>IV / IO / IM</b>	15 mcg Slow	100mcg / 2ml
0.8 ml	Glucagon <b>IM / IV / IO</b>	0.75 unit	1u / 1ml
2.5 ml	Ipratropium (Atrovent) <b>Nebulized</b>	0.5 mg	0.5mg / 2.5ml
0.3 ml	Ketorolac (Toradol) <b>IV / IM / IO</b>	7.5 mg	30mg / 1ml
0.8 ml	Lidocaine 2% <b>IV / IO</b>	15 mg Slow	100mg / 5ml
0.6 ml	Midazolam (Versed) <b>IN</b>	3 mg	5mg / 1ml
0.6 ml	Midazolam (Versed) <b>IM</b>	3 mg	5mg / 1ml
0.3 ml	Midazolam (Versed) <b>IV / IO</b>	1.5 mg Slow	5mg / 1ml
0.2 ml	Morphine Sulfate <b>IV / IM / IO</b>	1.5 mg Slow	10mg / 1ml
1.5 ml	Naloxone (Narcan) <b>IN / IV / IO / IM</b>	1.5 mg	2mg / 2ml
300 ml	Normal Saline Bolus <b>IV / IO</b>	300 ml	Standard
1.1 ml	Ondansetron (Zofran) <b>IV / IM / IO</b>	2.25 mg	4mg / 2ml
1 Tablet	Ondansetron (Zofran) <b>PO-ODT</b>	4 mg	4mg tablet
15 ml	Sodium Bicarbonate <b>IV / IO</b>	15 mEq	50mEq / 50ml

LBRT color:

Blue

**Age Range:** 5-6 Years  
**Approximate kg:** 20  
**Approximate lbs:** 40 to 50  
**NG Tube Size:** 12 to 14 fr

	1st	Repeat	Dose
<b>Defib:</b>	40 J	80 J	2-4 J/kg
<b>Cardiovert:</b>	20 J	40 J	1-2 J/kg

(or clinically equivalent biphasic dose)

<b>Nomal Vital Signs</b>	<b>HR: 75-120</b>	<b>RR: 20</b>	<b>SBP: 80-110</b>
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VOLUME	MEDICATION	DOSE	CONCENTRATION
30 ml	Acetaminophen (Tylenol) <b>IV / IO</b>	300 mg	1gm / 100ml
0.7 ml	Adenosine <b>IV - 1st</b>	2 mg Rapid	6mg / 2ml
1.3 ml	Adenosine <b>IV - 2nd / 3rd</b>	4 mg Rapid	6mg / 2ml
6 ml	Albuterol <b>Nebulized</b>	5 mg	2.5mg / 3ml
2 ml	Amiodarone <b>IV / IO</b>	100 mg over 20-60 mi	150mg / 3ml
4 ml	Atropine <b>IV / IO</b>	0.4 mg	1mg / 10ml
4 ml	Calcium Chloride 10% <b>IV / IO</b>	400 mg	1g / 10ml
96 ml	Charcoal <b>PO</b>	20 g	25g / 120ml or 50g / 240m
100 ml	Dextrose 10% <b>IV / IO</b>	10 g	25g / 250ml
40 ml	Dextrose 25% <b>IV / IO</b>	10 g	12.5g / 50ml
0.4 ml	Diphenhydramine (Benadryl) <b>IV / IO / IM</b>	20 mg	50mg / 1ml
2 ml	Epinephrine (1:1,000) <b>ET</b>	2 mg	1mg / 1ml
0.2 ml	Epinephrine (1:1,000) <b>IM</b>	0.2 mg	1mg / 1ml
5 ml + 2-3ml NS	Epinephrine (1:1,000) <b>Nebulized</b>	5 mg	1mg / 1ml
2 ml	Epinephrine (1:10,000) <b>IV / IO</b>	0.2 mg	1mg / 10ml
1 ml	Epinephrine (1:100,000) <b>Push Dose</b>	10 mcg	10mcg / 1 ml
0.6 ml	Fentanyl Citrate <b>IN</b>	30 mcg	100mcg / 2ml
0.4 ml	Fentanyl Citrate <b>IV / IO / IM</b>	20 mcg Slow	100mcg / 2ml
1 ml	Glucagon <b>IM / IV / IO</b>	1 unit	1u / 1ml
2.5 ml	Ipratropium (Atrovent) <b>Nebulized</b>	0.5 mg	0.5mg / 2.5ml
0.3 ml	Ketorolac (Toradol) <b>IV / IM / IO</b>	10 mg	30mg / 1ml
1 ml	Lidocaine 2% <b>IV / IO</b>	20 mg Slow	100mg / 5ml
0.8 ml	Midazolam (Versed) <b>IN</b>	4 mg	5mg / 1ml
0.8 ml	Midazolam (Versed) <b>IM</b>	4 mg	5mg / 1ml
0.4 ml	Midazolam (Versed) <b>IV / IO</b>	2 mg Slow	5mg / 1ml
0.2 ml	Morphine Sulfate <b>IV / IM / IO</b>	2 mg Slow	10mg / 1ml
2 ml	Naloxone (Narcan) <b>IN / IV / IO / IM</b>	2 mg	2mg / 2ml
400 ml	Normal Saline Bolus <b>IV / IO</b>	400 ml	Standard
1.5 ml	Ondansetron (Zofran) <b>IV / IM / IO</b>	3 mg	4mg / 2ml
1 Tablet	Ondansetron (Zofran) <b>PO-ODT</b>	4 mg	4mg tablet
20 ml	Sodium Bicarbonate <b>IV / IO</b>	20 mEq	50mEq / 50ml

LBRT color:

**Orange**

**Age Range:** 7-9 Years  
**Approximate kg:** 25  
**Approximate lbs:** 50 to 65  
**NG Tube Size:** 14 to 18 fr

	1st	Repeat	Dose
<b>Defib:</b>	50 J	100 J	2-4 J/kg
<b>Cardiovert:</b>	25 J	50 J	1-2 J/kg

(or clinically equivalent biphasic dose)

<b>Nomal Vital Signs</b>	<b>HR: 60-110</b>	<b>RR: 16</b>	<b>SBP: 80-120</b>
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<u>VOLUME</u>	<u>MEDICATION</u>	<u>DOSE</u>	<u>CONCENTRATION</u>
38 ml	Acetaminophen (Tylenol) <b>IV / IO</b>	375 mg	1gm / 100ml
0.8 ml	Adenosine <b>IV - 1st</b>	2.5 mg Rapid	6mg / 2ml
1.7 ml	Adenosine <b>IV - 2nd / 3rd</b>	5 mg Rapid	6mg / 2ml
6 ml	Albuterol <b>Nebulized</b>	5 mg	2.5mg / 3ml
2.5 ml	Amiodarone <b>IV / IO</b>	125 mg over 20-60 mi	150mg / 3ml
5 ml	Atropine <b>IV / IO</b>	0.5 mg	1mg / 10ml
5 ml	Calcium Chloride 10% <b>IV / IO</b>	500 mg	1g / 10ml
120 ml	Charcoal <b>PO</b>	25 g	25g / 120ml or 50g / 240m
125 ml	Dextrose 10% <b>IV / IO</b>	12.5 g	25g / 250ml
50 ml	Dextrose 25% <b>IV / IO</b>	12.5 g	12.5g / 50ml
0.5 ml	Diphenhydramine (Benadryl) <b>IV / IO / IM</b>	25 mg	50mg / 1ml
2.5 ml	Epinephrine (1:1,000) <b>ET</b>	2.5 mg	1mg / 1ml
0.3 ml	Epinephrine (1:1,000) <b>IM</b>	0.25 mg	1mg / 1ml
5 ml + 2-3ml NS	Epinephrine (1:1,000) <b>Nebulized</b>	5 mg	1mg / 1ml
2.5 ml	Epinephrine (1:10,000) <b>IV / IO</b>	0.25 mg	1mg / 10ml
1 ml	Epinephrine (1:100,000) <b>Push Dose</b>	10 mcg	10mcg / 1 ml
0.8 ml	Fentanyl Citrate <b>IN</b>	37.5 mcg	100mcg / 2ml
0.5 ml	Fentanyl Citrate <b>IV / IO / IM</b>	25 mcg Slow	100mcg / 2ml
1 ml	Glucagon <b>IM / IV / IO</b>	1 unit	1u / 1ml
2.5 ml	Ipratropium (Atrovent) <b>Nebulized</b>	0.5 mg	0.5mg / 2.5ml
0.4 ml	Ketorolac (Toradol) <b>IV / IM / IO</b>	12.5 mg	30mg / 1ml
1.3 ml	Lidocaine 2% <b>IV / IO</b>	25 mg Slow	100mg / 5ml
1 ml	Midazolam (Versed) <b>IN</b>	5 mg	5mg / 1ml
1 ml	Midazolam (Versed) <b>IM</b>	5 mg	5mg / 1ml
0.5 ml	Midazolam (Versed) <b>IV / IO</b>	2.5 mg Slow	5mg / 1ml
0.3 ml	Morphine Sulfate <b>IV / IM / IO</b>	2.5 mg Slow	10mg / 1ml
2 ml	Naloxone (Narcan) <b>IN / IV / IO / IM</b>	2 mg	2mg / 2ml
500 ml	Normal Saline Bolus <b>IV / IO</b>	500 ml	Standard
1.9 ml	Ondansetron (Zofran) <b>IV / IM / IO</b>	3.75 mg	4mg / 2ml
1 Tablet	Ondansetron (Zofran) <b>PO-ODT</b>	4 mg	4mg tablet
25 ml	Sodium Bicarbonate <b>IV / IO</b>	25 mEq	50mEq / 50ml

LBRT color:

**Green**

**Age Range:** 10-11 Years  
**Approximate kg:** 35  
**Approximate lbs:** 70 to 80  
**NG Tube Size:** 18 fr

	1st	Repeat	Dose
<b>Defib:</b>	70 J	140 J	2-4 J/kg
<b>Cardiovert:</b>	35 J	70 J	1-2 J/kg

(or clinically equivalent biphasic dose)

<b>Nomal Vital Signs</b>	<b>HR: 60-100</b>	<b>RR: 16</b>	<b>SBP: 80-120</b>
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<b>VOLUME</b>	<b>MEDICATION</b>	<b>DOSE</b>	<b>CONCENTRATION</b>
53 ml	Acetaminophen (Tylenol) <b>IV / IO</b>	525 mg	1gm / 100ml
1.2 ml	Adenosine <b>IV - 1st</b>	3.5 mg Rapid	6mg / 2ml
2.3 ml	Adenosine <b>IV - 2nd / 3rd</b>	7 mg Rapid	6mg / 2ml
6 ml	Albuterol <b>Nebulized</b>	5 mg	2.5mg / 3ml
3.5 ml	Amiodarone <b>IV / IO</b>	175 mg over 20-60 mi	150mg / 3ml
5 ml	Atropine <b>IV / IO</b>	0.5 ml	1mg / 10ml
7 ml	Calcium Chloride 10% <b>IV / IO</b>	700 mg	1g / 10ml
168 ml	Charcoal <b>PO</b>	35 g	25g / 120ml or 50g / 240m
175 ml	Dextrose 10% <b>IV / IO</b>	17.5 g	25g / 250ml
70 ml	Dextrose 25% <b>IV / IO</b>	17.5 g	12.5g / 50ml
0.7 ml	Diphenhydramine (Benadryl) <b>IV / IO / IM</b>	35 mg	50mg / 1ml
3.5 ml	Epinephrine (1:1,000) <b>ET</b>	3.0 mg	1mg / 1ml
0.4 ml	Epinephrine (1:1,000) <b>IM</b>	0.30 mg	1mg / 1ml
5 ml + 2-3ml NS	Epinephrine (1:1,000) <b>Nebulized</b>	5 mg	1mg / 1ml
3.5 ml	Epinephrine (1:10,000) <b>IV / IO</b>	0.35 mg	1mg / 10ml
1 ml	Epinephrine (1:100,000) <b>Push Dose</b>	10 mcg	10mcg / 1 ml
1.1 ml	Fentanyl Citrate <b>IN</b>	52.5 mcg	100mcg / 2ml
0.7 ml	Fentanyl Citrate <b>IV / IO / IM</b>	35 mcg Slow	100mcg / 2ml
1 ml	Glucagon <b>IM / IV / IO</b>	1 unit	1u / 1ml
2.5 ml	Ipratropium (Atrovent) <b>Nebulized</b>	0.5 mg	0.5mg / 2.5ml
0.6 ml	Ketorolac (Toradol) <b>IV / IM / IO</b>	17.5 mg	30mg / 1ml
1.8 ml	Lidocaine 2% <b>IV / IO - 1mg / kg</b>	35 mg Slow	100mg / 5ml
1.4 ml	Midazolam (Versed) <b>IN</b>	7 mg	5mg / 1ml
1.4 ml	Midazolam (Versed) <b>IM</b>	7 mg	5mg / 1ml
0.7 ml	Midazolam (Versed) <b>IV / IO</b>	3.5 mg Slow	5mg / 1ml
0.4 ml	Morphine Sulfate <b>IV / IM / IO</b>	3.5 mg Slow	10mg / 1ml
2 ml	Naloxone (Narcan) <b>IN / IV / IO / IM</b>	2 mg	2mg / 2ml
700 ml	Normal Saline Bolus <b>IV / IO</b>	700 ml	Standard
2 ml	Ondansetron (Zofran) <b>IV / IM / IO</b>	4 mg	4mg / 2ml
1 Tablet	Ondansetron (Zofran) <b>PO-ODT</b>	4 mg	4mg tablet
35 ml	Sodium Bicarbonate <b>IV / IO</b>	35 mEq	50mEq / 50ml