

Paediatric emergency drug chart

		ADRENALINE	FLUID BOLUS	GLUCOSE	SODIUM BICARBONATE		TRACHEAL TUBE UNCUFFED	TRACHEAL TUBE CUFFED	DEFIBRILLATION
	STRENGTH	1:10,000	0.9% Saline	10%	4.2%	8.4%			
	DOSE	10 mcg kg ⁻¹	20 mL kg ⁻¹	2 mL kg ⁻¹	1 mmol kg ⁻¹				4 joules kg ⁻¹
	ROUTE	IV, IO	IV, IO	IV, IO	IV, IO,	IV, IO			Trans-thoracic
	NOTES		Consider warmed fluids	For known hypoglycaemia				Monitor cuff pressure	Monophasic or biphasic
AGE	WEIGHT kg	mL	mL	Recheck glucose after dose And repeat as required mL	mL	mL	ID mm	ID mm	Manual
<1 month	3.5	0.35	70	7	7	-	3.0	-	20
1 month	4	0.4	80	8	8	-	3.0 - 3.5	3.0	20
3 months	5	0.5	100	10	10	-	3.5	3.0	20
6 months	7	0.7	140	14	-	7	3.5	3.0	30
1 year	10	1.0	200	20	-	10	4.0	3.5	40
2 years	12	1.2	240	24	-	12	4.5	4.0	50
3 years	14	1.4	280	28	-	14	4.5 - 5.0	4.0 - 4.5	60
4 years	16	1.6	320	32	-	16	5.0	4.5	60
5 years	18	1.8	360	36	-	18	5.0 - 5.5	4.5 - 5.0	70
6 years	20	2.0	400	40	-	20	5.5	5.0	80
7 years	23	2.3	460	46	-	23	5.5 - 6.0	5.0 - 5.5	100
8 years	26	2.6	500	50	-	26	-	6.0 - 6.5	100
10 years	30	3.0	500	50	-	30	-	7.0	120
12 years	38	3.8	500	50	-	38	-	7 - 7.5	120
14 years	40	4.0	500	50	-	40	-	7 - 8	120 - 150
Adolescent	50kg	5.0	500	50	-	50	-	7 - 8	120 - 150
Adult	70kg	10.0	500	50	-	50	-	7 - 8	120 - 150

Cardioversion

Synchronised Shock – 1.0 joules kg⁻¹ escalating to 2.0 joules kg⁻¹ if unsuccessful.

Amiodarone

5 mg kg⁻¹ IV or IO bolus in arrest (0.1 mL kg⁻¹ of 150 mg in 3 mL) after 3rd and 5th shocks. Flush line with 0.9% saline or 5% glucose.

Atropine

20 mcg kg⁻¹, maximum dose 600 mcg.

Calcium chloride 10%

0.2 mL kg⁻¹ for hypocalcaemia hyperkalaemia.

Lorazepam

100 mcg kg⁻¹ IV or IO for treatment of seizures. Can be repeated after 10 min. Maximum single dose 4mg.

Adenosine

100 mcg kg⁻¹ IV or IO for treatment of SVT. Second dose may be doubled requires large saline flush and ECG monitoring.

Anaphylaxis

Adrenaline 1:1000 **intramuscularly** (<6 yrs 150 mcg [0.15 mL], 6-12 yrs 300 mcg [0.3 mL], >12 yrs 500 mcg [0.5mL]) can be repeated after five min. (OR titrate boluses of 1 mcg kg⁻¹ IV **ONLY** if familiar with giving IV adrenaline).

Weights averaged on lean body mass from 50th centile weights for males and females. Drug doses based on Resuscitation Council (UK) Guidelines 2015 recommendations.

Recommendations for tracheal tubes are based on full term neonates.

For newborns glucose at 2.5mL kg⁻¹ is recommended.

