

Pediatric Drug Table

Length Based Resuscitation Tape Reference Colors

Est. Age	KG	Blade	ET Size	ET Depth	Defib Joules	Epi IV	Atro-pine	Lido-caine	Valium IV	Valium Rectal	Narcan	Epi SQ	D10 / D25	Adeno-sine	Amio-darone
Pre-term	3	1 s	2.5-3.0	9	6-12-12	0.3 cc	1.0 cc	0.15 cc	0.12 cc	0.3 cc	0.3 cc	.03 cc	D10 15-30 cc	0.10 cc	0.3 cc
	4	1 s	2.5-3.0	10-10.5	8-16-16	0.4 cc	1.0 cc	0.20 cc	0.16 cc	0.4 cc	0.4 cc	.04 cc	D10 20-40 cc	0.13 cc	0.3 cc
Term	5	1 s	2.5-3.0	10-10.5	10-20-20	0.5 cc	1.0 cc	0.25 cc	0.20 cc	0.5 cc	0.5 cc	.05 cc	D10 25-50 cc	0.17 cc	0.3 cc
	6 mo.	6	1 s	3.5	10-10.5	12-24-24	0.6 cc	1.2 cc	0.30 cc	0.24 cc	0.6 cc	0.6 cc	.06 cc	12-24 cc	0.20 cc
3 mo.	7	1 s	3.5	10-10.5	14-28-28	0.7 cc	1.4 cc	0.35 cc	0.28 cc	0.7 cc	0.7 cc	.07 c	14-28 cc	0.23 cc	0.64 cc
	8	1 s	3.5	10-10.5	16-32-32	0.8 cc	1.6 cc	0.40 cc	0.32 cc	0.8 cc	.8 cc	.08 cc	16-32 cc	0.27 cc	0.84 cc
≥ 1 yr	9	1 s	3.5	10-10.5	18-36-36	0.9 cc	1.8 cc	0.45 cc	0.36 cc	0.9 cc	0.9 cc	0.09 cc	18-36 cc	0.30 cc	0.84 cc
	1	10	1 s	4.0	11-12	20-40-40	1.0 cc	2.0 cc	0.50 cc	0.40 cc	1.0 cc	1.0 cc	0.10 cc	20-40 cc	0.33 cc
2	11	1 s	4.0	11-12	22-44-44	1.1 cc	2.2 cc	0.55 cc	0.44 cc	1.1 cc	1.1 cc	0.11 cc	22-44 cc	0.37 cc	1.04 cc
	12	2 s	4.5	12.5-13.5	24-48-48	1.2 cc	2.4 cc	0.60 cc	0.48 cc	1.2 cc	1.2 cc	0.12 cc	24-48 cc	0.40 cc	1.3 cc
3	13	2 s	4.5	12.5-13.5	26-52-52	1.3 cc	2.6 cc	0.65 cc	0.52 cc	1.3 cc	1.3 cc	0.13 cc	26-52 cc	0.43 cc	1.3 cc
	14	2 s	4.5	12.5-13.5	28-56-56	1.4 cc	2.8 cc	0.70 cc	0.56 cc	1.4 cc	1.4 cc	0.14 cc	28-56 cc	0.46 cc	1.3 cc
4	15	2 s/c	5.0	14-15	30-60-60	1.5 cc	3.0 cc	0.75 cc	0.60 cc	1.5 cc	1.5 cc	0.15 cc	30-60 cc	0.50 cc	1.6 cc
	16	2 s/c	5.0	14-15	32-64-64	1.6 cc	3.2 cc	0.80 cc	0.64 cc	1.6 cc	1.6 cc	0.16 cc	32-64 cc	0.53 cc	1.6 cc
5	17	2 s/c	5.0	14-15	34-68-68	1.7 cc	3.4 cc	0.85 cc	0.68 cc	1.7 cc	1.7 cc	0.17 cc	34-68 cc	0.57 cc	1.6 cc
	18	2 s/c	5.0	14-15	36-72-72	1.8 cc	3.6 cc	0.90 cc	0.72 cc	1.8 cc	1.8 cc	0.18 cc	36-72 cc	0.60 cc	1.6 cc
6	19	2 s/c	6.0	15.5-16.5	38-76-76	1.9 cc	3.8 cc	0.95 cc	0.76 cc	1.9 cc	1.9 cc	0.19 cc	38-76 cc	0.63 cc	2.1 cc
	20	2 s/c	6.0	15.5-16.5	40-80-80	2.0 cc	4.0 cc	1.00 cc	0.80 cc	2.0 cc	2.0 cc	0.20 cc	40-80 cc	0.67 cc	2.1 cc
7	22	2 s/c	6.0	15.5-16.5	44-88-88	2.2 cc	4.4 cc	1.10 cc	0.88 cc	2.2 cc	2.2 cc	0.22 cc	44-88 cc	0.73 cc	2.1 cc
	24	2-3 s/c	6.0	17-18	48-96-96	2.4 cc	4.8 cc	1.20 cc	0.96 cc	2.4 cc	2.4 cc	0.24 cc	48-96 cc	0.80 cc	2.6 cc
8	26	2-3 s/c	6.0	17-18	52-104-104	2.6 cc	5.2 cc	1.30 cc	1.04 cc	2.6 cc	2.6 cc	0.26 cc	52-104 cc	0.87 cc	2.6 cc
	28	2-3 s/c	6.0	17-18	56-112-112	2.8 cc	5.6 cc	1.40 cc	1.12 cc	2.8 cc	2.8 cc	0.28 cc	56-112 cc	0.93 cc	2.6 cc
9	30	2-3 s/c	6.0	17-18	60-120-120	3.0 cc	6.0 cc	1.50 cc	1.20 cc	3.0 cc	3.0 cc	0.30 cc	60-120 cc	1.00 cc	2.6 cc
	32	3 s/c	6.5	18.5-19.5	64-128-128	3.2 cc	6.4 cc	1.60 cc	1.28 cc	3.2 cc	3.2 cc	0.32 cc	64-128 cc	1.07 cc	3.3 cc
10	34	3 s/c	6.5	18.5-19.5	68-136-136	3.4 cc	6.8 cc	1.70 cc	1.36 cc	3.4 cc	3.4 cc	0.34 cc	68-136 cc	1.13 cc	3.3 cc
	Referenced Dose →					2-4-4 J/Kg	.1 cc/Kg	.02 mg/Kg	1 mg/Kg	.2 mg/Kg	.5 mg/Kg	.1 mg/Kg	.01 mg/Kg	2-4 cc/Kg	1st Dose .1 mg/kg
Drug Concentration →						Conc. 1mg / 10ml	Conc. 1mg / 10ml	Conc. 100mg / 5ml	Conc. 10mg / 2ml	Conc. 10mg / 2ml	Conc. 1mg / 1ml	Conc. 1mg / 1ml	Conc. 12.5g / 50ml	Conc. 6mg / 2ml	Conc. 150mg / 3ml
Referenced & Calculated															

D10 (Peds < 1 mos): dilute D50 1:4 (waste 50cc of 250cc NS and inject 1 amp of D50 to get 250cc's of D10).

D25: dilute D50 1:1 (waste 25cc of 1 amp of D50 and draw up 25cc of NS to get 50cc of D25).

Epi Dose: use 1:10,000 IV, use 1:1000 ET

Adenosine: Infant rate usually > 220 bpm and children rate usually > 180 bpm. 2nd dose is double the 1st dose.

All information referenced is reflective of 2005 AHA PALS Scientific Guidelines

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PAT

Pediatric Assessment Triangle

Appearance

- Tone
- Interactiveness
- Consolability
- Look / Gaze
- Speech / Cry

Work of Breathing

- Abnormal Airway Sounds
- Abnormal Positioning
- Retractions
- Nasal Flaring
- Accessory Muscle Use

Circulation

- Pallor
- Mottling
- Cyanosis
- Capillary Refill

PEDIATRIC INTUBATION AND VITAL SIGNS GUIDELINES

AGE (YR)	WEIGHT (KG)	BP (SYSTOLIC)	RESP	PULSE	ETT SIZE (mm)	ETT DEPTH
Premie	1	MAP = gestational age	30-50	100-180	2.5-3.0 uncuffed	7 cm
	2	MAP = gestational age	30-50	100-180	2.5-3.0 uncuffed	8 cm
	3	MAP = gestational age	30-50	100-180	2.5-3.0 uncuffed	9 cm
Newly born	3.3-4	54-60	30-40	100-180	3.5 uncuffed	10 cm
<1	8	60-70	30-40	100-180	4.0 uncuffed	10 cm
1	10	72	30-40	100-180	4.0	11 cm
2	12	74	25-32	100-180	4.5	12 cm
3	14	76	25-32	100-180	4.5	13 cm
4	16	78	22-28	60-150	5.0	14 cm
5	18	80	22-28	60-150	5.0	15 cm
6	20	82	22-28	60-150	5.5	16 cm
7	22	84	22-28	60-150	5.5	17 cm
8	24	86	22-28	60-150	6.0	18 cm
9	26	88	22-28	60-150	6.0	19 cm
10	28	95-140	20-24	50-100	6.5	20 cm
11	30	95-140	20-24	50-100	6.5	21 cm
Formulas listed below are for weight, BP, ETT size, and ETT depth for patients ≥ 1 yr						
* Weight = 8 + (2 x years)		***ETT size = 16 + years divided by 4				
** Systolic BP = (2 x years) + 70		****ETT depth = 10 + years = cm at lips				

****Current recommended data suggests the use of cuffed or properly sized uncuffed endotracheal tubes is acceptable

****Aggressive BLS airway management should be consistently maintained, the placement of OG / NG tubes is highly recommended whenever prolonged airway management & ventilatory support is required in the pediatric patient

****Constant in-line colormetric or digital (preferred) capnography EtCO₂ should be maintained following advanced airway (ETT) placement in the pediatric patient