

# PICU Endotracheal Tube Size/Depth Guide

AGE	Weight (Kg)	ETT Uncuffed	ETT Cuffed	ETT Depth Oral (cm)	ETT Depth Nasal (cm)	Miller Laryngoscope	Macintosh Laryngoscope	LMA Size
Birth	3.5	3.5	3.0	9	11	0	0	1
3 months	6.5	3.5	3.0	10	12	0/1	0	1.5
6 months	8	4.0	3.5	12	14	0/1	0	1.5
12 months	9.5	4.5	4.0	13	15	1	1	1.5/2
18 month	11	4.5	4.0	13	15	1/2	1/2	2
2 years	12	4.5	4.0	13	15		2	2
3 years	14	5.0	4.5	14	16		2	2
4 years	16	5.0	4.5	14	16		2	2
5 years	18	5.0	4.5	14			2	2
6 years	21	5.5	5.0	15			2	2.5
7 years	23	6.0	5.5	15			2	2.5
8 years	25	6.0	5.5	16			2	2.5
9 years	28	6.0	5.5	16			2/3	2.5
10 years	31	6.5	6.0	17			2/3	3
11 years	35	6.5	6.0	17			2/3	3
12 years	43	7.0	6.5	18			3	3
14 years	50	7.5	7.0	21			3/4	4
15 years	70	8.0	7.5	23			3/4	4/5

These are estimations only. The final decision regarding the correct equipment, sizes and depth lies with the clinician performing the procedure. Children can have very variable anatomy and caution should be used when treating children with atypical anatomy or a body habitus out of keeping with their age. It is prudent to have an ETT a size above & below the expected size required.