

Comprehensive Pediatric Equipment Sizing

Age / Weight	Mask size for BVM	Oral/Nasopharyngeal Airways	Laryngeal		Endotracheal Tube (mm)	Tracheostomy Tube (mm)	Suction Catheter
			Mask Airway	Laryngoscope Blade			
Premature infant (< 3 kg)	0–1 (premature–newborn)	Premature (40 mm)/12 Fr Not routinely used	1	0 Straight	2.5–3.0 Cuffless 6 Fr stylet	3.0–3.5	5 Fr
Newborn (< 28 days; ≥ 3 kg)	0–1 (premature infant–newborn)	Premature infant–infant (40–50 mm)/ 14 Fr	1	0–1 Straight	3.0–3.5 Cuffless 6 Fr stylet	3.0–3.5	6 Fr
Infant (1 m–1 y; 4–10 kg)	1–2 (newborn–infant)	Infant–small (50–60 mm)/14–16 Fr	1–1.5	1 Straight	3.5–4 Cuffless 6 Fr stylet	4.0	8 Fr
Toddler (1–2 y; 10–13 kg)	2 (infant)	Small (60 mm)/18–20 Fr	1.5–2	1–2 Straight	4.0–4.5 Consider cuff 6 Fr stylet	4.0–5.0	8–10 Fr
Preschool (3–5 y; 13–18 kg)	2–3 (infant–child)	Small–medium (60–70 mm)/22 Fr	2	2 Straight	4.5–5.0 Consider cuff 6 Fr stylet	5.5	10 Fr
School age (6–12 y; 18–40 kg)	3–4 (child–small adult)	Medium (70–80 mm)/24–30 Fr	2–2.5	2–3 Straight or curved	5.0–6.5 Cuffed 14 Fr stylet	6–8	10 Fr
Adolescent (13–18 y; > 40 kg)	4–5 (small adult–adult)	Large (80–100 mm)/> 30 Fr	3–5	3 Straight or curved	> 6.5 Cuffed 14 Fr stylet	8	10–14 Fr

Age / Weight	Chest Tube	Peripheral BP Cuff Size	IV Catheter	Central Line	Arterial Line	Nasogastric Tube	Foley Catheter
Premature infant (< 3 kg)	8–10 Fr	Premature infant–newborn 5 cm	24 g	5 Fr UVC or 5 Fr feeding tube	5 Fr UAC or 5 Fr feeding tube	5 Fr	5 Fr
Newborn (< 28 days; ≥ 3 kg)	10–12 Fr	Newborn 5 cm	24 g	5 Fr UVC	5 Fr UAC	5–8 Fr	6 Fr
Infant (1 m–1 y; 4–10 kg)	10–12 Fr	Newborn–infant 5 cm	22–24 g	3 or 4 Fr 5–8 cm or 20 g 12 cm pediatric IJ kit	2.5 Fr 2.5 cm (peripheral) or 24 g IV or 2.5 Fr 5 cm (central)	5–8 Fr	6–8 Fr
Toddler (1–2 y; 10–13 kg)	16–20 Fr	Infant–child 5–7 cm	22–24 g	4 Fr 8–12 cm or 20 g 12 cm pediatric IJ kit	2.5 Fr 2.5 cm (peripheral) or 22–24 g IV or 2.5 Fr 5 cm (central)	8 Fr	8 Fr
Preschool (3–5 y; 13–18 kg)	18–24 Fr	Child 7 cm	20–22 g	4–5 Fr 12 cm 8–12 cm	22 g IV catheter or 20 g pediatric IJ kit (central)	10 Fr	10 Fr
School age (6–12 y; 18–40 kg)	20–32 Fr	Child–small adult 7–9.5 cm	20 g	5 Fr–7 Fr 8–20 cm	22 g IV catheter	10–14 Fr	10–12 Fr
Adolescent (13–18 y; > 40 kg)	> 32 Fr	Small adult–adult > 9.5 cm	18–20 g	7 Fr adult triple lumen	22 g IV catheter	14–18 Fr	12–18 Fr

BVM: bag valve mask
 IJ: internal jugular
 IV: intravenous
 UAC: umbilical arterial catheter
 UVC: umbilical venous catheter