

# Endotracheal Tube Size Chart (ICU Reference Guide)

## Adult Size Reference

Internal Diameter (mm)	Typical Patient Group
7.0 – 7.5 mm	Adult Female
8.0 – 8.5 mm	Adult Male

## Pediatric Size Formula

Uncuffed Tube Size (mm ID) = (Age ÷ 4) + 4  
Cuffed Tube Size = (Uncuffed Size – 0.5 mm)  
Insertion Depth (cm) = Tube Size × 3

## Tube Length vs Internal Diameter (Approximate)

Internal Diameter (mm)	Approx. Tube Length (cm)	Typical Group
3.0	14 – 16	Neonate
4.0	18 – 20	Infant
5.0	20 – 22	Pediatric
6.0	22 – 24	Adolescent
7.0	28 – 30	Adult Female
7.5	30 – 32	Adult Female
8.0	32 – 34	Adult Male
8.5	34 – 36	Adult Male

### Emergency Intubation Quick Guide

Standard default sizes:

- 7.5 mm – Adult Female
- 8.0 mm – Adult Male

If resistance occurs, downsize by 0.5 mm.

Confirm placement with capnography and auscultation.

# Cuffed vs Uncuffed Endotracheal Tube Comparison

Feature	Cuffed ET Tube	Uncuffed ET Tube
Airway Seal	Inflatable cuff	Anatomical seal only
Ventilation Control	Better for mechanical ventilation	Limited seal control
Pediatric Use	Increasingly standard practice	Historically preferred
Aspiration Risk	Reduced with proper cuff pressure	Higher

## ***Manufactured by:***

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