

## Pediatric Alteplase Injection for CVL Guidelines

### Dosage Recommendations:

1. CVL: volume printed on the lumen of the catheter
  - Less than 30 kg: 110% of the internal lumen volume of the catheter, not to exceed 2 mg in 2 mL
  - Greater than or equal to 30 kg: 2 mg in 2 mL
2. Port-a-Cath: 2 mg in 2 mL
3. PICC line: volume determined by following table

Catheter Size	Lumens	Lumen Gauge/Size	Original Priming Volume	Catheter Length	DOSING VOLUME for Original Catheter Length
1.9 fr	Single	23 gauge	0.15 mL	50 cm	0.17 mL
3 fr	Single	20 gauge	0.37 mL	60 cm	0.41 mL
4 fr	Single	18 gauge	0.67 mL	55-60 cm	0.74 mL
4 fr	Double	19/21 gauge	0.5/0.38 mL	60 cm	0.55/0.42 mL
5 fr	Double	18/18 gauge	0.57/0.57 mL	60 cm	0.63/0.63 mL

### Dosage Recommendations for Altered PICC Line Length:

$$\frac{\text{dosing volume for original cath length} \times \text{length after trimming}}{\text{original catheter length}} = \text{Adjusted Dosing Volume}$$

