

Intranasal fentaNYL for Management of Acute Pain

1.5 mcg/kg/dose

(50 mcg/mL concentration)

- Initial dose: **1.5 mcg/kg/dose** may repeat incremental doses of 0.3-0.5 mcg/kg every 10 min prn. Not to exceed a total dose of 3 mcg/kg
- Maintenance dose: may repeat initial dose every 30-60 min after the last dose
- Maximum dose is 3 mcg/kg

(Lexicomp Neonatal and Paediatric, 2013 as cited in Borland, 2002; Borland, 2005; Borland, 2007; Chung, 2010; Cole, 2009; Crellin, 2010; Herd, 2009; Manjushree, 2002; Saunders, 2010)

Patient Weight	Dose (mcg)	Total Volume (mL) = volume of fentaNYL in mL + extra 0.1 mL for dead space
<u>Use for full term newborn infants to teenagers</u>		<p>The maximum volume of medication administered <u>per nostril</u> is</p> <ul style="list-style-type: none"> • Neonates and Infants up to the age of 1 year: 0.5 mL per nostril • Children greater than 1 year old: 1 mL per nostril • Adults: 1 mL per nostril <p>If exceeding the maximum volume of medication allowed per nostril, use <u>one syringe and deliver ONE-HALF the medication dose per nostril.</u></p>
3 kg	4.5 mcg	0.09 mL + 0.1 mL = 0.19 mL
4 kg	6 mcg	0.12 mL + 0.1 mL = 0.22 mL
5 kg	7.5 mcg	0.15 mL + 0.1 mL = 0.25 mL
6 kg	9 mcg	0.18 mL + 0.1 mL = 0.28 mL
7 kg	10.5 mcg	0.21 mL + 0.1 mL = 0.31 mL
8 kg	12 mcg	0.24 mL + 0.1 mL = 0.34 mL
9 kg	13.5 mcg	0.27 mL + 0.1 mL = 0.37 mL
10 kg	15 mcg	0.3 mL + 0.1 mL = 0.4 mL
11 kg	16.5 mcg	0.33 mL + 0.1 mL = 0.43 mL
12 kg	18 mcg	0.36 mL + 0.1 mL = 0.46 mL
13 kg	19.5 mcg	0.39 mL + 0.1 mL = 0.49 mL
14 kg	21 mcg	0.42 mL + 0.1 mL = 0.52 mL
15 kg	22.5 mcg	0.45 mL + 0.1 mL = 0.55 mL
16 kg	24 mcg	0.48 mL + 0.1 mL = 0.58 mL
17 kg	25.5 mcg	0.51 mL + 0.1 mL = 0.61 mL
18 kg	27 mcg	0.54 mL + 0.1 mL = 0.64 mL
19 kg	28.5 mcg	0.57 mL + 0.1 mL = 0.67 mL
20 kg	30 mcg	0.6 mL + 0.1 mL = 0.7 mL
21- 23 kg	33 mcg	0.66 mL + 0.1 mL = 0.76 mL
23.1- 25 kg	36 mcg	0.72 mL + 0.1 mL = 0.82 mL
25.1- 27 kg	39 mcg	0.78 mL + 0.1 mL = 0.88 mL
27.1- 29 kg	42 mcg	0.84 mL + 0.1 mL = 0.94 mL
29.1- 31 kg	45 mcg	0.9 mL + 0.1 mL = 1 mL
31.1- 33 kg	48 mcg	0.96 mL + 0.1 mL = 1.06 mL
33.1-35 kg	51 mcg	1.02 mL + 0.1 mL = 1.12 mL
35.1- 40 kg	54 mcg	1.08 mL + 0.1 mL = 1.18 mL
40.1- 45 kg	60 mcg	1.2 mL + 0.1 mL = 1.21 mL
45.1- 50 kg	67.5 mcg	1.35 mL + 0.1 mL = 1.45 mL
Greater than 50 kg	75 mcg	1.5 mL + 0.1 mL = 1.6 mL