

FENTANYL DOSAGE CHART

Drug/Protocol	Dose
Fentanyl Advanced Airway Confirmation/Management Pain Management	1 mcg/kg IV/IM/IN q 5 minutes. Maximum 3 mcg/kg. Preparation (IV Only): Dilute Fentanyl 100 mcg / 2 ml with 8 ml of NS to yield a 10 mcg/ml concentration.

Weight	Weight	Fentanyl Not Diluted 100 mcg/2ml	Fentanyl Not Diluted 100 mcg/2ml	Fentanyl Diluted 100 mcg/10 ml	
(lbs.)	(kg)	IN Volume *	IM Volume **	IV Volume	Fentanyl Dose
88	40	0.8 ml	0.8 ml	4 ml	40 mcg
99	45	0.9 ml	0.9 ml	4.5 ml	45 mcg
110	50	1 ml	1 ml	5 ml	50 mcg
121	55	1.1 ml	1.1 ml	5.5 ml	55 mcg
132	60	1.2 ml	1.2 ml	6 ml	60 mcg
143	65	1.3 ml	1.3 ml	6.5 ml	65 mcg
154	70	1.4 ml	1.4 ml	7 ml	70 mcg
165	75	1.5 ml	1.5 ml	7.5 ml	75 mcg
176	80	1.6 ml	1.6 ml	8 ml	80 mcg
187	85	1.7 ml	1.7 ml	8.5 ml	85 mcg
198	90	1.8 ml	1.8 ml	9 ml	90 mcg
209	95	1.9 ml	1.9 ml	9.5 ml	95 mcg
220	100	2 ml	2 ml	10 ml	100 mcg
231	105		2.1 ml	10.5 ml	105 mcg
242	110		2.2 ml	11 ml	110 mcg
253	115		2.3 ml	11.5 ml	115 mcg
264	120		2.4 ml	12 ml	120 mcg
275	125		2.5 ml	12.5 ml	125 mcg
286	130		2.6 ml	13 ml	130 mcg
297	135		2.7 ml	13.5 ml	135 mcg
308	140		2.8 ml	14 ml	140 mcg
319	145		2.9 ml	14.5 ml	145 mcg
330	150		3 ml	15 ml	150 mcg
352	160		3.2 ml	16 ml	160 mcg
374	170		3.4 ml	17 ml	170 mcg
396	180		3.6 ml	18 ml	180 mcg
418	190		3.8 ml	19 ml	190 mcg
440	200		4 ml	20 ml	200 mcg

* IN administration volume should not exceed 1 ml per nare per dose

** IM administration volume should not exceed 2.5 ml in the arm or 5 ml in thigh or buttock