

fentanyl INTRAVENOUS INFUSION DOSAGE CHART

fentanyl infusion rates in mL/hour for various solution concentrations:

DOSE (mcg/hour)	fentanyl CONCENTRATION (mcg/mL)		
	2	10	50
25	12.5		
30	15		
35	17.5		
40	20		
45	22.5		
50	25	5	
55	27.5	5.5	
60	30	6	
65	32.5	6.5	
70	35	7	
75	37.5	7.5	
80	40	8	
90	45	9	
100	50	10	
125	62.5	12.5	
150		15	
175		17.5	
200		20	
250		25	5
300		30	6
350		35	7
400		40	8
450		45	9
500		50	10
750		75	15
1000			20
1250			25
1500			30
2000			40
2500			50
3000			60

Dilution Instructions:

2 mcg/mL = 500 mcg fentanyl in NS 250 mL

10 mcg/mL = Remove 20 mL from NS 100 mL bag, then add 1000 mcg to bag.
= Remove 50 mL from NS 250 mL bag, then add 2500 mcg to bag.

50 mcg/mL = transfer 1250 mcg, 2500 mcg or 5000 mcg to an empty sterile bag (obtained from pharmacy)
i.e. undiluted 50 mcg/mL injectable