

Opioid equianalgesic dose conversions

NB

- *These are approximate dose conversions, caution is always necessary but particularly when converting at high doses and when there has been a recent rapid escalation of initial opioid; individual titration is necessary in order to optimise pain control after opioid switching*
- *A switch to Methadone should only be undertaken by practitioners experienced in its use; equianalgesic dose conversions cannot be recommended for this opioid because of the wide inter-individual variation in pharmacokinetics of Methadone*

Oral Codeine	10 x weaker than Oral Morphine	e.g. Oral Codeine 240 mg per 24 hrs = Oral Morphine 24 mg per 24 hrs
Oral Tramadol	10 x weaker than Oral Morphine	e.g. Oral Tramadol 400mg per 24 hrs = Oral Morphine 40 mg per 24 hrs
Transdermal Fentanyl	100 x stronger than Oral Morphine	e.g. Fentanyl 25 mcg/hr patch = Oral Morphine 60 mg per 24 hrs
Transdermal Buprenorphine	100 x stronger than Oral Morphine	e.g. Buprenorphine 5 mcg/hr patch = Oral Morphine 12 mg per 24 hrs
SC / IV Morphine	2 x stronger than Oral Morphine	e.g. SC / IV Morphine 7.5 mg = Oral Morphine 15 mg
SC / IV Diamorphine	3 x stronger than Oral Morphine	e.g. SC / IV Diamorphine 5 mg = Oral Morphine 15 mg
Oral Oxycodone	1.5 x stronger than Oral Morphine	e.g. Oral Oxycodone 5 mg = Oral Morphine 7.5 mg
SC Oxycodone	2 x stronger than Oral Oxycodone	e.g. SC Oxycodone 5 mg = Oral Oxycodone 10 mg
Oral Hydromorphone	7.5 x stronger than Oral Morphine	e.g. Oral Hydromorphone 1.3 mg = Oral Morphine 10 mg
SC Hydromorphone	2 x stronger than Oral Hydromorphone	e.g. SC Hydromorphone 5 mg = Oral Hydromorphone 10 mg
SC Alfentanil	10 x stronger than SC Diamorphine	e.g. SC Alfentanil 1 mg = SC Diamorphine 10 mg

Opioid equianalgesic dose conversions: Quick check table

Current opioid and route (converting from ...)										<p>NOTE:</p> <p>Choose the opioid you are converting <u>from</u> in the columns on the left and the opioid you are converting <u>to</u> in the rows below.</p> <p>The conversion factor is detailed where the relevant column and row meet.</p> <p>Transdermal opioid preparations <u>not</u> included in this table</p>	
oral Codeine (max daily dose: 240 mg)	oral Tramadol (max daily dose: 400 mg)	oral Morphine	oral Oxycodone	SC Morphine	SC Oxycodone	SC Diamorphine	oral Hydromorphone	SC Hydromorphone	SC Alfentanil		
	x 1	x 10	x 15	x 20	x 30	x 30	x 75	x 150	x 300		oral Codeine (max daily dose: 240 mg)
÷ 1		x 10	x 15	x 20	x 30	x 30	x 75	x 150	x 300		oral Tramadol (max daily dose: 400 mg)
÷ 10	÷ 10		x 1.5	x 2	x 3	x 3	x 7.5	x 15	x 30		oral Morphine
÷ 15	÷ 15	÷ 1.5		x 1.33	x 2	x 2	x 5	x 10	x 20		oral Oxycodone
÷ 20	÷ 20	÷ 2	÷ 1.33		x 1.5	x 1.5	x 3.75	x 7.5	x 15		SC Morphine
÷ 30	÷ 30	÷ 3	÷ 2	÷ 1.5		x 1	x 2.5	x 5	x 10		SC Oxycodone
÷ 30	÷ 30	÷ 3	÷ 2	÷ 1.5	÷ 1		x 2.5	x 5	x 10		SC Diamorphine
÷ 75	÷ 75	÷ 7.5	÷ 5	÷ 3.75	÷ 2.5	÷ 2.5		x 2	x 4		oral Hydromorphone
÷ 150	÷ 150	÷ 15	÷ 10	÷ 7.5	÷ 5	÷ 5	÷ 2		x 2	SC Hydromorphone	
÷ 300	÷ 300	÷ 30	÷ 20	÷ 15	÷ 10	÷ 10	÷ 4	÷ 2		SC Alfentanil	

**New opioid and route
(converting to ...)**

SC = subcutaneous route

IV = intravenous route

x = multiply by

÷ = divide by