



Colorado ALTO Project Morphine Conversion Table

Opioid	Dose	Equivalency dose	Route
Acetaminophen/Codeine	3	0.3	PO
Buprenorphine	0.3	0.03	IV
Buprenorphine	0.3	0.03	IM
Buprenorphine	0.4	0.04	SL
Buprenorphine	0.3	0.03	NA
Buprenorphine	0.3	0.03	SQ
Codeine	200	20	PO
Fentanyl	0.1	0.01	IV
Fentanyl	0.1	0.01	IM
Hydrocodone	30	3	PO
Hydromorphone	1.5	0.15	IM
Hydromorphone	1.5	0.15	IV
Hydromorphone	1.5	0.15	SQ
Hydromorphone	7.5	0.75	PO
Hydromorphone	7.5	0.75	SL
Meperidine	100	10	IM
Meperidine	100	10	IV
Meperidine	100	10	SQ
Meperidine	300	30	SL
Meperidine	300	30	PO
Morphine	10	1	IM
Morphine	10	1	IV
Morphine	10	1	NA
Morphine	10	1	SQ
Morphine	30	3	PO
Morphine	30	3	SL
Oxycodone	20	2	PO
Oxycodone	20	2	SL
Oxymorphone	1	0.1	IM
Oxymorphone	1	0.1	IV
Oxymorphone	1	0.1	NA
Oxymorphone	1	0.1	SQ
Oxymorphone	10	1	PO
Oxymorphone	10	1	SL
Tramadol	120	12	PO
Tramadol	120	12	SL

Sources and additional resources:

<https://cha.com/opioid>

<https://opioidcalculator.practicalpainmanagement.com/methods.php>

<http://www.globalrph.com/narcoticonv.htm>

<https://www.cms.gov/medicare/prescription-drug-coverage/prescriptiondrugcovcontra/downloads/opioid-morphine-eg-conversion-factors-march-2015.pdf>

<https://emedicine.medscape.com/article/2138678-overview>

<https://opioidcalculator.practicalpainmanagement.com/conversion.php>