



Morphine Milligram Equivalents MMEs

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West Virginia
Safe & Effective Management of Pain
(SEMP) Guidelines

Medication	MME Factor	MME Relative Doses
Tramadol	0.1	300mg
Meperidine	0.1	300mg
Codeine	0.15	200mg
Dihydrocodeine	0.25	120mg
Pentazocine	0.37	~100mg
Tapentadol	0.4	75mg
MORPHINE	1	30mg
Hydrocodone	1	30mg
Opium	1	30mg
Oxycodone	1.5	20mg
Oxymorphone	3	10mg
Heroin (SC Diacetylmorphine)	3	10mg
Hydromorphone	4	7.5mg
Methadone 1-20 mg/day	4	7.5mg
21-40 mg/day	8	3.75mg
41-60 mg/day	10	3mg
>/=61 mg/day	12	2.5mg
Levorphanol	11	~3mg (2mg Available)
Fentanyl Transdermal (TD) Patch	7.2 (Divide By Days)	12.5mcg/hr Patch
Buprenorphine TD Patch	12.6 (Divide By Days)	15mcg/hr Patch
Buprenorphine SL & Buccal	0.03 (for mcg)	1000mcg (900mcg Available)

Using the MME Factor

Multiply the mg or mcg respectively of the chosen opioid by the MME Factor to calculate the MME of the chosen opioid.

Using the MME Relative Doses

Comparative doses of opioids to 30mg of oral morphine