



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	300 mg
Meperidine	0.1	300 mg
Codeine	0.15	200 mg
Dihydrocodeine	0.25	120 mg
Pentazocine	0.37	~100 mg
Tapentadol	0.4	75 mg
MORPHINE	1	30 mg
Hydrocodone	1	30 mg
Opium	1	30 mg
Oxycodone	1.5	20 mg
Oxymorphone	3	10 mg
Heroin (SC Diacetylmorphine)	3	10 mg
Hydromorphone	4	7.5 mg
Methadone 1-20 mg/day	4	7.5 mg
21-40 mg/day	8	3.75 mg
41-60 mg/day	10	3 mg
>/=61 mg/day	12	2.5 mg
Levorphanol	11	~3 mg (2 mg Available)
Fentanyl Transdermal (TD) Patch	MME/Day = 2.4 x Patch Strength (mcg/hr)	12.5 mcg/hr Patch
Buprenorphine TD Patch	MME/Day = 1.8 x Patch Strength (mcg/hr)	~15 mcg/hr Patch
Buprenorphine SL & Buccal	0.03 (for mcg)	1000 mcg (900 mcg 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