



# Morphine Milligram Equivalents MMEs



## West Virginia Safe & Effective Management of Pain 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
<b>MORPHINE</b>	<b>1</b>	<b>30mg</b>
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