

Morphine Milligram Equivalent (MME)

Adapted from American Addiction: The Opioid Epidemic by Mark Garofoli, PharmD, MBA, BCGP

Medication	MME Factor	MME Relative Dose
Tramadol	0.1	300mg
Codeine	0.15	200mg
Tapentadol	0.4	75mg
MORPHINE	1	30mg
Hydrocodone	1	30mg
Oxycodone	1.5	20mg
Oxymorphone	3	10mg
Heroin (SC diacetylmorphine)	3	10mg
Hydromorphone	4	7.5mg
Methadone 1-20, 21-40, 41-60, >61 mg/day	4, 8, 10, 12	7.5, 3.75, 3, 2.5mg
Fentanyl Transdermal (TD) Patch	7.2 (Divide by Days)	12.5mg/hr Patch
Buprenorphine Patch	12.6 (Divided by Days)	15mcg/hr Patch
Buprenorphine SL or Buccal	0.03 (for mcg)	1000mcg

Reference(s):

- <https://www.sempguidelines.org>