



Oral Morphine Milligram Equivalent Conversion

Health Partners Plans

Please note: The value of the conversion factor listed in the right-hand column is roughly equivalent to 1mg of oral morphine.

- Example #1: 8mg of buprenorphine is equivalent to 240mg of morphine
- Example #2: A 25mcg fentanyl patch is roughly equivalent to 60mg of morphine per day
- Example #3: Each mg of Oxycodone is the equivalent of 1.5mg of oral morphine.

Opioid (strength in mg except where noted)	MME Conversion Factor*
Buprenorphine, transdermal patch (mcg/hr)	12.6
Butorphanol	7
Codeine	0.15
Dihydrocodeine	0.25
Fentanyl, buccal/SL tablet or lozenge/troche (mcg)	0.13
Fentanyl, film or oral spray (mcg)	0.18
Fentanyl, nasal spray (mcg)	0.16
Fentanyl, transdermal patch (mcg/hr)	7.2
Hydrocodone	1
Hydromorphone	4
Levomethadyl acetate	8
Levorphanol tartrate	11
Meperidine	0.1
Methadone	3
Morphine	1
Opium	1
Oxycodone	1.5
Oxymorphone	3
Pentazocine	0.37
Tapentadol	0.4
Tramadol	0.1
Oxycodone Myristate (Xtampza ER effective 3/1/2017)	1.67

* To be used in the formula: Strength per Unit X (Number of Units / Days Supply) X MME conversion factor = MME/Day