

Calculations of MME (Morphine Milligram Equivalency for Commonly Prescribed Opioids)

<u>OPIOID</u> (Doses in mg/day except as noted)	<u>CONVERSION FACTOR</u>
Codeine	0.15
Fentanyl transdermal (in mcg/hr)*	2.4
Hydrocodone	1
Hydromorphone	4
Methadone**	
1-20mg/day	4
21-40mg/day	8
41-60mg/day	10
≥61-80mg/day	12
Morphine	1
Oxycodone	1.5
Oxymorphone	3

*Fentanyl is dosed in mcg/hr instead of mg/day and absorption is affected by any factors that influence the skin such as heat and other factors

**Methadone conversion factor increases at higher doses

Example:

A 56 yo female is taking Morphine ER 15 mg BID and oxycodone 10 mg TID. What is her MME? Total the daily dose of Morphine and multiply by the conversion factor of 1. Total the total daily dose of oxycodone multiplied by the conversion factor of 1.5. Add these two numbers together to get the Morphine Milligram Equivalents (MME).

Calculation:

$$[(15 + 15) \times 1] + [(10 + 10 + 10) \times 1.5] = 30 + 45 = 75 \text{ MME}$$