

Opioid Conversion Factors		
Generic Name	(Route)	OME Factor
Butorphanol	(Nasal)	7
Codeine	(Oral)	0.15
	(Intramuscular)	0.25
Fentanyl	(Intramuscular)	200
Hydrocodone	(Oral)	1
Hydromorphone	(Oral)	4
	(Intramuscular)	15
Meperidine	(Oral)	0.1
	(Intramuscular)	0.4
Morphine	(Oral)	1
	(Intramuscular)	3
Oxycodone	(Oral)	1.5
Pentazocine	(Oral)	0.37
Sufentanil	(Intravenous)	1200
Tapentadol	(Oral)	0.4
Generic Name	(Route)	Dose Equivalent (OME), mg
Fentanyl	(Transdermal)	
	0.012 mg/hr patch	30
	0.025 mg/hr patch	60
	0.037 mg/hr patch	88.8
	0.050 mg/hr patch	120
	0.075 mg/hr patch	180
	0.1 mg/hr patch	240

OME = Oral Morphine Equivalent.

Benzodiazepine and Z-drugs Conversion Factors		
Generic Name	(Route)	Defined Daily Dose (DDD), mg
Alprazolam	(Oral)	1
Bromazepam	(Oral)	10
Chlordiazepoxide	(Oral)	30
Clobazam	(Oral)	20
Clonazepam	(Oral)	8
Clorazepate Dipotassium	(Oral)	20
Diazepam	(Oral)	10
	(Intramuscular)	10
Flurazepam	(Oral)	30
Lorazepam	(Oral)	2.5
	(Intramuscular)	2.5
Midazolam	(Intramuscular)	15
Nitrazepam	(Oral)	5
Oxazepam	(Oral)	50
Temazepam	(Oral)	20
Triazolam	(Oral)	0.25
Zolpidem	(Sublingual)	10
Zopiclone	(Oral)	7.5

Defined Daily Dose (DDD) is the assumed average maintenance dose per day for a drug used for its main indication in adults as defined by the World Health Organization (WHO).

Caution:

This document should not be used to guide dosing decisions or to convert patients from one medication to another in a clinical setting. The intended use of this information is to provide insight into estimated conversion factors used by the program.