

Equianalgesic Conversion for Methadone		
Dose Dependent potency changes well established in the literature		
Oral Morphine Equivalent	Mg of oral Methadone	Mg of oral Morphine
<100 mg/day	1	4
101-300 mg/day	1	8
301-600 mg/day	1	10
601-800 mg/day	1	12
801-1000 mg/day	1	15
>1000 mg/day	1	20

IV methadone is twice as potent as oral methadone

- Determine the starting dose of oral methadone by:
- Reducing the calculated oral methadone dose by 30-50%
 - Dividing the resulting reduced daily dose by 3.
 - This is the every 8-hour dose of oral methadone in milligrams.

Drug	Available Strengths and Dosage Forms	Comments
Morphine	Tab: 15, 30 mg SR Tab: 15, 30, 60, 100, 200 mg Liquid: 10 mg/5 ml, 20 mg/5ml, 20 mg/ml Injectable	Avinza [®] (30, 60, 90, and 120 mg) and Kadian [®] (20, 30, 60, 80, 100 and 200 mg) marketed as a 24 hour capsules, can be opened and sprinkled on food or given via a G-tube without losing SR profile
Hydromorphone	Tab: 2, 4, 8 mg Liquid: 5 mg/5ml Suppository: 3 mg Injectable	
Oxycodone	Tab: 5, 15, 30 mg SR Tab: 10, 20, 40, 80 mg Liquid: 5 mg/5ml, 20mg/ml	
Oxymorphone	Tab: 5, 10 mg ER Tab: 5, 10, 20, 40 mg Suppository: 5 mg Injectable	Opana [®] (take on empty stomach) Numorphan [®]
Codeine	Tab: 15, 30, 60 mg Elixir: 15 mg/ml Solution: 15 mg/ml	Doses > 60mg not recommended. Increased nausea and constipation.
Fentanyl	Transdermal Patch: 25, 50, 75, 100mcg/hr Transmucosal lozenge (OTL): 200, 400, 600, 800, 1200, 1600 mcg Effervescent buccal tablet (EBT): 100, 200, 400, 600, 800 mcg Injectable	A 25 mcg/hr transdermal patch is equianalgesic to ~ 50 mg of oral morphine per day. For conversions, see page 10.
Methadone	Tab: 5, 10 mg DisperTab: 40 mg Liquid: 1 mg/ml, 10 mg/5ml, 10 mg/ml Injectable	Long half-life; accumulates with repeated dosing; may require dose decrease on days 2-5. Please consult Anesthesia Pain or Pain and Palliative Care for questions.
Tramadol**	Tab: 50 mg	Ceiling dose 400 mg/d (300 mg/d for elderly) 50 mg of tramadol is equianalgesic to ~ 60 mg of oral codeine

SR = Sustained release; ER = Extended release **Not an opioid, binds to opioid receptors

Commonly Used Combination Analgesic Products

Product	Ingredients	Strengths (mg)	Equivalent Products
Anacin [®]	aspirin/caffeine	400/32.5	Gespan [®]
Bufferin [®]	Aspirin calcium/aluminum/ magnesium	325, 500 Dose of anacid varies	Ascriptin [®] Magnaprin [®] Bufferin [®] Arthritis Strength
Excedrin [®] Extra Strength	Acetaminophen/aspirin/ caffeine	250/250/65	
Fioricet [®] **	acetaminophen/butalbital/ caffeine	325/50/40	Esgic [®] , Roopan [®] , Zebutal [®]
Florinal [®]	aspirin/butalbital/caffeine	325/50/40	Isolyt Improved [®] , Lanolinol [®] , Marnal [®]
Midrin [®]	acetaminophen/isometheptane mucate/dichloralphenazone	325/65/100	Migralene [®] , Isocom [®] , Duradrin [®] Midchlor [®]
Ultracet [®]	Tramadol/acetaminophen	37.5/325	
Opioid Containing Products			
Lortab [®]	Hydrocodone/acetaminophen	2.5/500, 5/500 7.5/500, 10/500	
Lorcel [®] 10/650	Hydrocodone/acetaminophen	10/650	
Lorcel Plus [®]	Hydrocodone/acetaminophen	7.5/650	Anaxsia [®]
Vicodin [®] **	Hydrocodone/acetaminophen	5/500	Anexsia [®] , Anodynos-DHC [®] , Co-Gesic [®] , DuoCat [®] , Hycotab [®] , Hy-Phen [®] , Hydrocel [®] , Lorcel [®] , Norcel [®] .
Vicodin ES [®]	Hydrocodone/acetaminophen	7.5/760	
Vicodin HP [®]	Hydrocodone/acetaminophen	10/660	Anexsia [®]
Norco [®]	Hydrocodone/acetaminophen	5/325 7.5/325 10/325	Anexsia [®]
Percocat [®]	oxycodone HCl/ acetaminophen	5/325	Oxycocel [®] , Endocel [®] , Roxicet [®] (liquid)
Percocet [®]	oxycodone HCl/ acetaminophen	2.5/325, 7.5/325 7.5/500 10/325, 10/650	
Magnacet [®]	oxycodone HCl/ acetaminophen	2.5/400, 5/400, 7.5/400, 10/400	
Percodan [®]	oxycodone HCl/aspirin/ acetaminophen	4.83/224/160	
Reprexain [®]	hydrocodone/ibuprofen	5/200	
Vicoprofan [®]	hydrocodone/ibuprofen	7.5/200	
Tylenol With Codeine #2 [®]	codeine phosphate/acetaminophen	15/300	Capital and Codeine [®] , Phenaphen with Codeine [®]
#3 [®]		30/300	
#4 [®]		60/300	
Tylox [®]	Oxycodone/acetaminophen	5/500	Roxicet [®]
Zydone [®]	Hydrocodone/acetaminophen	5/400, 7.5/400 10/400	

*Available formulations at BWB