

Appendix 1 (as provided by the authors): ATC classification codes for opioids and MME dose conversion

Opioid Content	Combination	WHO ATC Codes	MME Dose conversion factors
Codeine	Codeine	R05DA04	0.15
Codeine	ASA/caffeine/codeine	N02BA51	0.15
Codeine	ASA/caffeine/codeine/butalbital	N02AA79	0.15
Codeine	acetaminophen/codeine/caffeine	N02BE51	0.15
Codeine	acetaminophen/codeine	N02AA59	0.15
Codeine	codeine/methocarbamol/acetaminophen/ASA	M03BA53	0.15
Hydromorphone	Hydromorphone	N02AA03	4
Meperidine (Pethidine)	Meperidine (Pethidine)	N02AB02	0.1
Morphine	Morphine	N02AA01	1
Oxycodone	Oxycodone	N02AA05	1.5
Oxycodone	ASA/oxycodone	N02BA51	1.5
Oxycodone	Oxycodone/acetaminophen	N02BE51	1.5
Oxycodone	Oxycodone/naloxone	N02AA55	1.5