## Opioids

**Heroin Common Names:** H, horse, junk, snow, stuff, lady, dope, shill, pippu, smack, scag, black tar, Lady Jane, white stuff, brown sugar, skunk, white horse<sup>7,8</sup>

**Morphine Common Names:** M, dreamer, sweet Jesus, Monkey, morph, White Stuff, Miss Emma<sup>7,8</sup>

**Methadone Common Names:** Dolophine, Metadol, Methadose<sup>7</sup> **Codeine Common Names:** Robitussin A-C, Tylenol with Codeine, Syrup, schoolboy, 3s, 4s, Captain Cody, Cody<sup>7,8</sup>

**Hydromorphone Common Names:** Drug Store Heroin, Hospital Heroin, juice, dillies<sup>7,8</sup>

Oxycodone Common Names: percs, OC, OXY, oxycotton, killers<sup>7,8</sup>



<b>Characteristics</b> (Depressant)	<ul> <li>Half-life varies depending on the substance. Morphine, Hydromorphone, Oxycodone and Hydrocodone have a half-lives of about 2-3 hours<sup>3</sup>.</li> <li>Heroin<sup>7</sup> <ul> <li>Diacetylmorphine-synthetic derivative of morphine</li> <li>Effects are almost immediate following IV injection and can last several hours; effects occur in 15-50min after oral dosing</li> <li>Physical dependence and tolerance can occur within two weeks</li> </ul> </li> <li>Morphine<sup>7</sup> <ul> <li>Effects as for heroin but slower onset and longer-acting</li> <li>Effects occur in 15-60min after oral dosing and last 1-8hours for immediate-release products</li> <li>High dependence liability due to powerful euphoric and analgesic effects</li> </ul> </li> <li>Methadone<sup>7</sup> <ul> <li>Effects occur in 30-60minutes after oral dosing and last 7-48hours</li> </ul> </li> <li>Codeine must be metabolized to its active metabolite, morphine for its therapeutic effect.</li> </ul>				
	<ul> <li>Fentanyl<sup>7</sup></li> <li>Effects are almost immediate following IV injection and last 30-60 minutes; with IM use, onset is slower and duration of action is up to 120min</li> <li>Exposing applied patches to external heat source can increase drug absorption</li> <li>Hydromorphone<sup>7</sup></li> </ul>				
	<ul> <li>At low doses, side effects are less common than with other narcotics; at high doses it is more toxic due to strong respiratory depressant effect</li> <li>Oxycodone<sup>7</sup></li> </ul>				
	<ul> <li>Very high abuse potential</li> <li>Carfentanil <sup>12</sup></li> </ul>				
	<ul> <li>100x more potent than fentanyl and used in veterinary medicine as a sedative or anesthetic agent for large animals</li> </ul>				
	Common signs and symptoms of intoxication can include <sup>1,2</sup>				
Duran utation during	Euphoria	Lack of motivation	Constricted pupils		
Presentation during	Drowsiness	Lethargy	may include <sup>2</sup>		
		Shallow breathing	Respiratory arrest		
	Convulsions	Clammy skin	Constricted pupils		
	Pulmonary edema	Extreme drowsiness			

	Goal <sup>10</sup>				
	<ul> <li>Prevent severe respiratory depression and preserve client safety</li> </ul>				
Monitoring and support	Monitor <sup>10</sup>				
during intoxication	Assess level of disorienta	tion and if possible time of last	t ingestion and amount consumed		
	Monitor for falls risk				
	Monitor vitals every 15 minutes initially and less frequently as acute symptoms subside				
	If Overdose				
Monitoring and support	<ul> <li>Naloxone (opioid antagonist) is used to reverse the effects of opiate toxicity. In the presence of physical dependence, Naloxone produces withdrawal</li> </ul>				
during intoxication					
(Continued)	symptoms related to the dose of Naloxone and the degree and type of opioid				
	dependence. If administered IV, the effect is generally apparent within two				
	minutes. When administered IM, the effect is more prolonged.				
	Mild withdrawal symptoms may include: <sup>78</sup>				
	Watery eyes	Vawning	Sweating		
	Goosebumps	Runny nose	Sweating		
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Withdrawal presentation	Moderate to severe withdrawal symptoms: 7.8				
onset is usually 8-12 hours	<ul> <li>Severe symptoms peak between 48 and 72 hours.</li> </ul>				
after last use of short-acting	<ul> <li>Symptoms decrease in 7-10 days for short acting opioids.</li> </ul>				
opioids, for longer acting	<ul> <li>Methadone withdrawal symptoms can last several weeks.</li> </ul>				
opioids, withdrawal usually		, ,			
starts 1-3 days after last use)	Restlessness	Irritability	Insomnia		
	Anxiety	Loss of Appetite	Abdominal cramping		
	Nausea	Vomiting	Diarrhea		
	Muscle tremors	Drug Craving	Severe Depression		
	Tachycardia	Hypertension	Chills alternating with		
	,		flushing and sweating		
	Coolu <sup>7</sup>				
	• Treat the immediate withdrawal reaction				
	Assessing for Withdrawal Severity: <sup>5</sup>				
	May use the Clinic:	al Oniate Withdrawal Scale (	(COWS)		
	Monitor: <sup>5</sup>				
	<ul> <li>Mental Status (Including anxiety, irritability, suicidal ideation)</li> </ul>				
	Physical status (including vital signs, sweating, nunil size, GL distress, hone or				
	joint aches, tremors, gooseflesh skin, hydration, sleep patterns)				
	Supportive Interventions: <sup>12</sup>				
	Encourage fluids as tolerated to maintain hydration				
Monitoring and support	Provide supportive care and reassurance				
during withdrawal	Commonly used medications include: 6				
	<ul> <li>NSAIDs for myalgias, headache, and fever</li> </ul>				
	Dimenhydrinate for nausea and vomiting				
	Loperamide for diarrhea and abdominal cramps				
	Benzodiazepines for acute anxiety				
	Hypnotics for sleep disturbances				
	Clonidine for managing the autonomic symptoms of opioid withdrawal (i.e.				
	hypertension and tachycardia).				
	Methadone/Burprenorphine to treat the immediate withdrawal reaction, and to				
	aid in detoxification, or for maintenance therapy in a supervised treatment				
	program.				

Potential Complications	<ul> <li>Chronic use can lead to general loss of energy, ambition, and drive, motor retardation, attention impairment, sedation, and slurred speech <sup>7</sup></li> <li>Chronic use of methadone can lead to constipation, blurred vision, sweating, decreased libido, menstrual irregularities, joint and bone pain, and sleep disturbances<sup>7</sup></li> <li>High doses of fentanyl can produce muscle rigidity (including respiratory muscles) respiratory depression, unconsciousness, and coma <sup>7</sup></li> </ul>			
Notable Drug interactions	<ul> <li>With Antidepressants (MAOI, RIMA):<sup>2</sup> <ul> <li>Increased excitation, sweating, and hypotension reported (especially with meperidine, pentazocine); may lead to development of encephalopathy, convulsions, coma, respiratory depression, and serotonin syndrome</li> <li>With Alcohol:<sup>7</sup></li></ul></li></ul>			
Psychiatric effects	<ul> <li>Opiate dependence has been associated with greater incidences of depression, anxiety, suicidal ideation, and low self-esteem<sup>11</sup>.</li> </ul>			

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