



An Overview of Opioids and its Risk Factors

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DESCRIPTION

Opioids are the drugs that includes both prescription pain relievers such as oxycodone, hydrocodone, and fentanyl and narcotic drugs like heroin. They function by attaching to specific receptors in the brain and preventing the transmission of pain signals. However, opioids also have the potential to produce a euphoric high, which can result in addiction and other negative outcomes. Opioid addiction has become a serious public health crisis in many countries, including the United States, Canada, and parts of Europe. According to the Centers for Disease Control (CDC) and Prevention, more than 4,50,000 people died from drug overdoses in the United States between 1999 and 2018. In Canada, there were more than 16,000 drug-related deaths between 2016 and 2020. These statistics illustrate the density of the opioid epidemic and the critical need for effective interventions.

One of the main causes of the opioid epidemic is prescription drug abuse by medical providers. In the 1990s, pharmaceutical companies began marketing drugs as a safe and effective treatment for chronic pain. However these assumptions were based on studies and incomplete data, and many patients who were prescribed drug for chronic pain became addicted. In response to this crisis, many healthcare providers have changed their prescribing practices and are now using non-drug pain management strategies whenever possible. Another factor that has contributed to the opioid epidemic is the availability of illegal opioids such as heroin and fentanyl. Heroin is a highly addictive drug that is often injected or smoked, while fentanyl is a synthetic drug that is much more potent than other opioids and can be deadly in small doses. Both drugs are frequently cut with other substances such as fentanyl analogues or other synthetic drugs, making them even more dangerous.

The drug epidemic has had terrible consequences for individuals, families, and communities. Drug addiction can lead to a range of negative outcomes, including overdose, infectious diseases such as HIV and hepatitis C, and social and economic problems. Many people who struggle with drug addiction and also experience stigma and discrimination, which can make it difficult for them to access treatment and assistance. Effective complications for opioid addiction typically involve a combination of pharmacological and behavioral therapies. Medications like methadone and buprenorphine can help to reduce cravings and rejection symptoms, facilitating people's abstinence from drugs. These medications are typically used as part of a Medication-Assisted Treatment (MAT) program, which also includes counseling and other types of assistance.

In addition to medication-assisted treatment, other evidence-based interventions for opioid addiction include Cognitive-Behavioral Therapy (CBT), Contingency Management (CM), and 12-step programs such as Narcotics Anonymous (NA). Cognitive-behavioral therapy is a type of psychotherapy that helps people to identify and change negative thought patterns and behaviors, while planning and preparation provides rewards for positive behavior change. Narcotics Anonymous and other 12-step programs provide peer support and a sense of community to people in recovery.

Prevention is also an important component when dealing with the drug epidemic. Prevention Techniques include reducing drug supply, promoting safe prescribing practices, and increasing access to addiction treatment and support services. Other prevention techniques include increasing public awareness of the risks of opioid use and promoting alternative pain management strategies such as physical therapy, acupuncture, and mindfulness meditation.

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Received: 03-Mar-2023, Manuscript No. JPMME-23-20394; **Editor assigned:** 06-Mar-2023, Pre QC No. JPMME-23-20394 (PQ); **Reviewed:** 20-Mar-2023, QC No. JPMME-23-20394; **Revised:** 27-Mar-2023, Manuscript No. JPMME-23-20394 (R); **Published:** 06-Apr-2023, DOI: 10.35248/2684-1320.23.9.202.

Citation: Mehran I (2023) An Overview of Opioids and its Risk Factors. J Pain Manage Med.9:202.

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