

Opioid Epidemic

A 3D graphic showing a yellow pill bottle tipped over, spilling white oval pills onto a map of the United States. The map is rendered in a light blue, textured style. The pills are scattered across the map, with a concentration in the eastern half. The background is a dark, textured surface.

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OPIOID EPIDEMIC

Opioid Epidemic



- Understanding Opioids
- Crisis in the U.S.
- Combating the epidemic
- Resources

Understanding Opioids

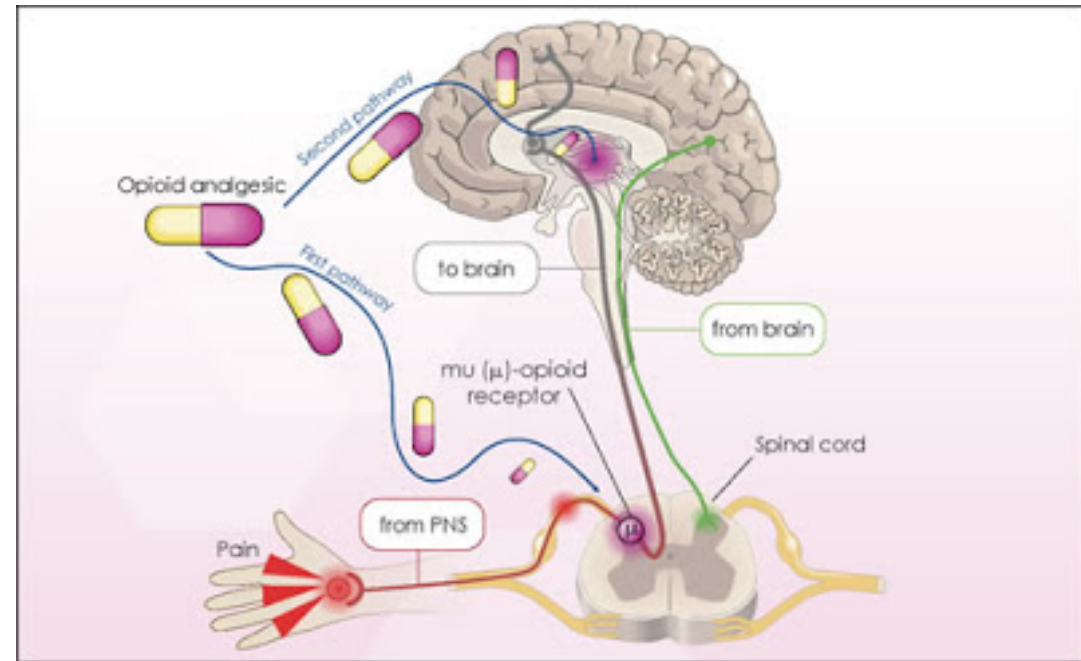


- 3400 B.C. Red Opium Poppy
- 1800's Morphine standard anesthetic/painkiller
- 1900's Oxycodone
 - Harrison Narcotics Act
 - FDA grandfathered morphine, codeine, and oxycodone
 - Controlled Substance Act 1970 (CI – CV)
- 2000's Opioid Explosion
 - Medicinal control of pain
 - Moderate to Severe pain
 - Millions of addicted patients
 - 100,000s ER visits related to opioids



Understanding Opioids

- “Narcotic”
 - Negative association with illegal drugs & addiction
 - Narcotic Analgesic or Opioid
 - Relieves moderate to severe pain
- Mechanism of Action
 - Mu (μ), Delta (Δ), Kappa (κ), & ORL 1
 - Mu receptor is central point of activity
- Common Side Effects
 - CNS Depression
 - Opioid – Induced Constipation
 - Withdrawal Symptoms*
 - Tolerance*



- Opioids High Addiction potential (most in CII – CIII category)
- Millions of Americans are currently dependent
- Tens of Thousands overdose related deaths in the US
- Gateway to illicit drug use
 - Heroin overdose deaths increased > 500% from 2002 to 2016
 - Street drugs more in-expensive & easier to obtain
 - Diversion of prescription drugs
- Fentanyl deaths on the rise
 - Prescription patch dosage form
 - Powder form smuggled into U.S.



Combating the Epidemic



- FDA & CDC guidelines released 2016
 - Education on use of long term use of opioids in pain management
 - Rescheduling of hydrocodone
 - Safety label changes for extended-release opioids
- DEA enforced decrease in opioid production
- 21st Century Cures Act 2016
 - April 2017 allocation to all 50 States
- Prescribing trends decline
 - 2012 peak of > 282 million
 - 2016 fall to 236 million



Combating the Epidemic



- Prescription Drug Monitoring Programs
 - State programs
 - Medication Therapy Management (MTM)
 - Overutilization Lock-in programs
- Addiction Treatment
 - Centers/Clinics needed
 - Naloxone/buprenorphine (oral, sublingual, injectable)
- Direct Opioid Antagonist
 - Naloxone (oral, injectable, nasal spray)
- Abuse Deterrent Drugs



Combating the Epidemic



- Negative unintended consequences
 - Rise in illicit/street drug abuse and overdose deaths
 - Medical needs not being met
- Multi-pronged approach
 - Continued diligence on proper utilization of prescription opioids
 - Remove stigma of opioid addiction and treat as a chronic condition
 - Improved pain management options
 - Increase in education and treatment facilities/programs
 - Ease of access to rescue medications and addiction treatments



- American Society of Addiction Medicine (ASAM)
<https://www.asam.org/asam-home-page>
- National Institute of Drug Abuse (NIDA)
<https://www.drugabuse.gov/>
- Providers Clinical Support System (PCSS)
<https://pcssnow.org/>
- Substance Abuse & Mental Health Services Administration (SAMHSA)
<https://www.samhsa.gov/>

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