



# Opiate and Stimulant Education

## Course Outline

### Course Introduction

- Introduction
- Opioids
  - ✓ Description and Statistics
  - ✓ Costs of Opiate Addiction
  - ✓ A Word on Opioids
- Stimulants
  - ✓ Description and Statistics
  - ✓ Costs of Stimulant Addiction
  - ✓ The Cost of Stimulant Addiction
  - ✓ A Word on Stimulants
- Prescription Drug Abuse
- “Opposites Attract”
- Addictive Potential
- Learning Check

### Types and Effects of Opioid Use

- Introduction to Opioids
  - ✓ Opium
  - ✓ Opiates
  - ✓ Opioids and Narcotics
- Clarifying Terms
  - ✓ Opium
  - ✓ Opiates
  - ✓ Opioid
  - ✓ Narcotic
- Classifications
  - ✓ Natural
  - ✓ Semisynthetic Opioids
  - ✓ Fully Synthetic
- Morphine
- Oxycodone
- Hydrocodone
- Fentanyl
- Heroin
- Effects of Opioids



- ✓ Gastrointestinal System
- ✓ Central Nervous System
- ✓ Sexual and Urinary Function
- Learning Check

### History of Opiate Use

- Early History of Opium Use
- History of Opioid Use in the U.S.
- Shift in the Perception of Opioids
- Opioid Laws in the U.S.

### Opiate Drug Interactions

- Classifications
  - ✓ Major
  - ✓ Moderate
  - ✓ Minor
- Toxicology
- Centrally Acting Opioid Interactions
  - ✓ MAO Inhibitors

### Methadone: From Detox to Recovery

- What Is Methadone?
- Historical Perspective
- Methadone Detoxification
- Regulations
- Prejudices Toward Methadone
- Common Myths
- Measures of Effectiveness
  - ✓ Reduction in the Use of Illicit Drugs
  - ✓ Reduction in Criminal Activities
  - ✓ Reduction in HIV Risk Behaviors
- The Bottom Line

### New Opioid Replacement Therapy

- Terminology



- ✓ Opiate Agonist
- ✓ Opiate Antagonist
- ✓ Partial Agonist
- Buprenorphine
- Naltrexone
  - ✓ Development of Naltrexone
- Naloxone
  - ✓ Combining Naloxone and Buprenorphine
- Learning Check

### Effects of Stimulants

- Introduction to Stimulants
- Effects of Stimulants
  - ✓ Central Nervous System
  - ✓ Cardiovascular System
  - ✓ Respiratory and Pulmonary Systems
- Stimulant Use by Athletes

### Types and History of Stimulants

- Classifications of Stimulant Substances
- Natural Stimulants
  - ✓ Guarana
  - ✓ Ginseng
- Synthetic Stimulants
- Medically Prescribed Stimulants
  - ✓ Adderall® and Concerta®
    - Similarities Between Adderall® and Concerta®
    - Differences Between Adderall® and Concerta®
  - ✓ Methamphetamine
    - Licit Use
    - Illicit Use
  - ✓ History of Amphetamine Use
- Cocaine
  - ✓ Multiple Forms of Cocaine
  - ✓ Routes of Administration
    - Snorting
    - Injecting
    - Smoking



# Opiate and Stimulant Education

## Course Outline

- ✓ Effects of Cocaine
- ✓ History of Cocaine
- ✓ History of Cocaine in the U.S.
- ✓ Prenatal Cocaine Exposure
- Caffeine
  - ✓ High Energy Drinks
  - ✓ History of Caffeine Use
  - ✓ Final Verdict on Caffeine
- Nicotine
  - ✓ The Risks
  - ✓ Long-Term Effects
  - ✓ History of Nicotine Use
  - ✓ Smoking in Treatment Programs?
- Ephedra and Ephedrine
- Learning Check

### Stimulant Drug Interactions

- Psychotropic Drug Interactions
  - ✓ Tricyclic Antidepressants
  - ✓ Antipsychotics
  - ✓ Anticonvulsants
- Antihypertensive Medications
- Depressants
- Alcohol and Cocaine
- Combining Stimulants

### Pharmacological Therapies for Stimulant Users

- Promising Research
- Disulfiram (Antabuse®)
- Norepinephrine
- Vigabatrin
- Pharmacogenetics

### Course Closing

- Final Thoughts
- Resources for Professionals