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## DRUG TRENDS AND TREATMENT

## **AGENDA**

- Drug overview
- Signs and Symptoms
- \* Treatment and Resources

## DRUG OVERVIEW

### DRUGS CATERGORIES

- × Alcohol
- Club drugs
- × Cocaine
- Hallucinogens
- Opioids
- Inhalants
- × Marijuana

- Prescription Drugs and Cold Medicine
- × Steroids
- Synthetic Cannabinoids
- Synthetic Cathinones
- Tobacco/Nicotine

## ALCOHOL

- People drink to socialize, celebrate and relax.
- \* Alcohol effect's vary from person-to-person, depending upon variety of factors, including: How much you drink, How often, age, health status, family history

Alcohol is in beer, wine, liquor and other beverages forms.

## **CLUB DRUGS**

Club Drugs are used by teenagers and young adults at bars pightclubs, and parties

bars, nightclubs, and parties.

Drugs include:

GHB (Sodium oxybate)

Rohypnol (Xanax, Roofies)

Ketamine (Cat, Vitamin K)

MDMA (Ecstasy, Molly)

Methamphetamine (Meth, Ice, Crystal)

LSD (Acid)

### PRESCRIPTION DRUGS AND COLD MEDICINE

- Some medication have psychoactive properties and are sometime abused when taken for no reason or in way or amounts not intended by a doctor or taken by someone other than the person prescribed.
- Prescription and over-the-counter (OTC) drugs are, after marijuana (and alcohol), the most commonly abused substances by American 14 and older.

## COCAINE

- Cocaine is a powerfully addictive stimulant drug made from the leaves of the coca plant native to South America.
- Can be used by health care providers for valid medical procedures, such as local anesthesia for some surgeries.
- As a street drug is often mixed with cornstarch, talcum powder, or flour.

## **HALLUCINOGENS**

- \* Hallucinogens are a diverse group of drugs that alter perception, thoughts, and feelings.
- Cause hallucinations or sensations and images that seem real though they are not.
- Can be found in some plants, mushrooms or can be man-made.
- × LSD, PCP

## **OPIOIDS**

- Opioids are powerful pain relievers
- Include illegal drug herion and legal prescription drugs OxyCotin, Vicodin, codeine, morphine, fentanyl and many more.
- These drugs are chemically related and interact with opioid receptors on nerve cells in the body and brain
- Generally are safe when taken over a short period of time, but are highly addictive.

### **INHALANTS**

- Inhalants are products found in home or workplace
- Spray paints, markers glues and cleaning fluids
- Contains volatile substances that have psychoactive properties when inhaled.
- Only class abused more by younger children then by older teens

## **MARIJUANA**

- Marijuana refers to the dried leaves, flowers, stems and seeds from the hemp plant, Cannabis sativa.
- Contains mind-altering chemical THC and other related compounds.
- Marijuana is the most commonly used illicit drug in the United States
- It is often smoked but can mix with food or candy or brew it as tea.

## **STEROIDS**

- Anabolic steroids are synthetic variations of male sex hormone testosterone.
- Healthcare providers can prescribe steroids to treat hormonal issues, such as delayed puberty.
- Steroids can be taken orally or injected into the muscles. Can also be applied to the skin as cream, gel, or patch.
- Do not have short –term effects but long-term over time.

## SYNTHETIC CANNABINODS

Man-made mind altering chemicals that are either sprayed on dried, shredded plant material so they can be smoked or sold as liquids to be vaporized and inhaled in ecigarettes and other devices.

× K2, Spice

## SYNTHETIC CATHINONES

- Commonly known as "bath salts"
- \* These drugs are synthetic drugs related to cathinone, a stimulant found in the khat plant

### **TOBACCO AND NICOTINE**

- Tobacco use is the leading preventable cause of disease, disability and death in the United States.
- The harmful effects of smoking extend far beyond the smoker.
- Cigarettes and other forms of tobacco contain the addictive drug nicotine.
- It is readily absorbed in the bloodstream when a tobacco product is chewed, inhaled pr smoked.

## SIGNS AND SYMPTOMS

#### \* ALCOHOL

+ Talking loud, slurred speech, rambling conversations, foul language, complaining, arguing and being overly aggressive or obnoxious.

#### **×** TOBACCO

+ Frequently smokes, often smells smoke immediately after smoking or in immediate area.



#### **\*** MARIJUANA

+ Problems with memory and learning,, distorted perception, difficulty in thinking and problemsolving and loss in coordination.



#### **×** STIMULANTS

- Make people more alert, increase attention, raised blood pressure, heart rate and breathing.
- + Improper stimulant use can also result in unsafely elevated body temperature, irregular heartbeat, heart failure and seizures.







#### \* HALLUCINOGENS

- + Produce visual and auditory hallucinations, feelings of detachment from one's environment and oneself and distortions in time and perception.
- Rare but serious health effects in heart failure and flashbacks.

#### × OPIOIDS

- + Tolerance increases with frequent use and may not be able to maintain source of drugs. Causing a turn to black market drugs such as heroin.
- + Produce euphoria, drowsiness, respiratory depression, constricted pupils, nausea and dry mouth.

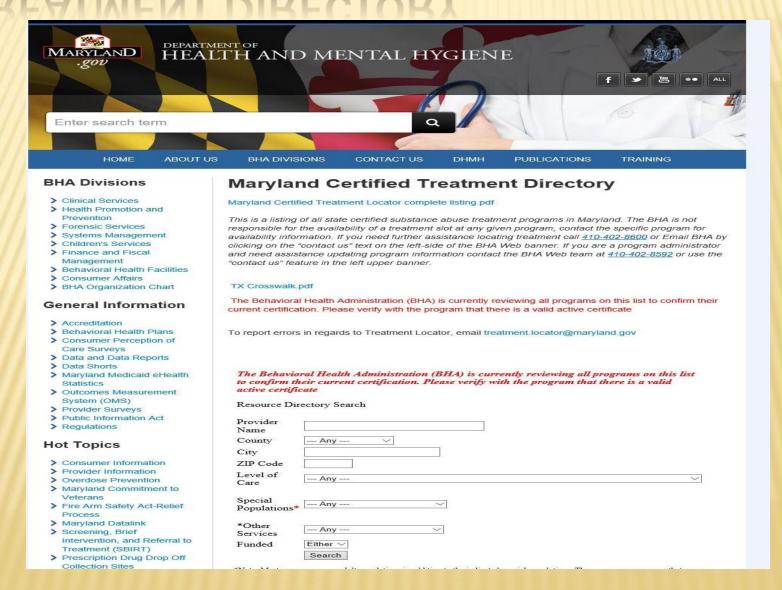
## TREATMENT AND RESOURCES

## LOCAL ADDICTIONS AUTHORITY (LAA)

**×** Former Treatment Coordinators

Designed county or multi-county authority that is responsible for planning, managing, and monitoring publicly funded substance use disorder services.

## TREATMENT DIRECTORY



# HEROIN AND OPIOID PREVENTION, TREATMENT AND ENFORCEMENT INITIATIVE

- Governor Hogan, Lt. Governor Rutherford announce 2017 initiative to continue addressing Maryland's ongoing opioid and heroin epidemic.
- Governor Hogan amended the 2015 Executive Order to authorize the council to establish the Opioid Operational Command Center.
- The center will facilitate greater collaboration between state and local public health, human services, education and public safety entities to reduce the harmful impacts of opioid addiction.

#### \* Treatment

- + \$4million in new funding to support those struggling with heroin and opioid addiction.
- + In addition, \$1.3 million for mental health and substance use disorders, including \$159 million dedicated to existing non-Medcaid substance use disorder treatment programs.
- + DHMH applied and received a Medicaid Waiver renewal allowing reimbursement for residential substance use treatment services delivered in large facilities., greatly expanding the number of facilities that can offer treatment services.

#### **×** Enforcement

- + Distribution of Opioids Resulting in Death Act:
  - Legislation will create a new felony, punishable by up to 30 years, for individuals who distribute an opioid or opioid analog, of which the use causes the death of another. Contains a provision allowed to prosecute kingpins. Also, contains protections for those who sell drugs to support their own addiction.

#### × Prevention

#### + Prescriber Limits Act

Would limit the duration of prescription opioiods upon the initial consultation or treatment to a 7 day supply. There are exceptions within the limits.

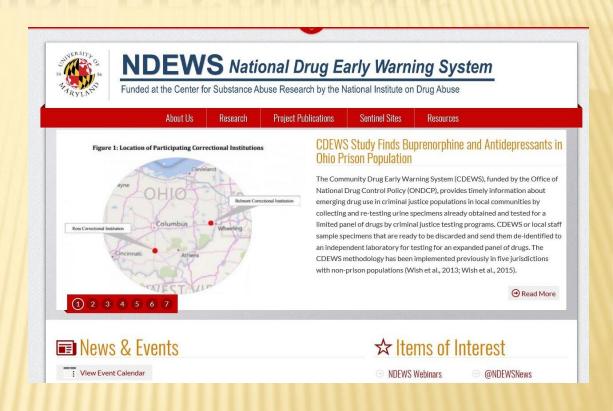
#### ×Overdose Prevention Act:

Recommend overdose prevention strategies, expand access to naloxone prescriptions directly from a pharmacists without current training requirements and extend current immunity provisions to pharmacist

## NATIONWIDE RESOURCES

NDEWS monitors emerging drug use trends to enable health experts, researchers, and concerned citizens across the country to respond quickly to potential outbreaks of illicit drugs such as heroin and to identify increased use of designer synthetic compounds.

Information on Research, webinars, conferences and meetings



## NATIONAL DRUG EARLY WARNING SYSTEM

✓ Website provides free resources for parents
 Free classroom material for 6<sup>th</sup>-12<sup>th</sup> grade for educators

- ✓Information for treatment including
  Step by Step guides, research guides and videos
- ✓ Also, subsections for Mental Health Practitioners, Patients and Families as well as Children and Teens



## NATIONAL INSTITUTE ON DRUG ABUSE

- ✓ National mental health administration that provides funding to the state level
- Website provides research, articles, treatment locator, resources for suicide prevention, grants, programs and campaigns and other topics relating to substance abuse and mental health



(SAMHSA) SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES ADMINISTRATION

## SITES AND SOURCES

Maryland Department of Health and Mental Hygiene- Behavioral Health Administration

http://bha.dhmh.maryland.gov/

National Institute on Drug Abuse

https://www.drugabuse.gov/

\* SAMHSA

https://www.samhsa.gov/

National Drug Early Warning System

https://ndews.umd.edu/