

# Synthetic marijuana and the latest trends in substance abuse

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# Objectives

- Describe the origin of novel substances and their marketing
- Review the manufacture of these substances
- Describe the human effects of these substances and signs of overdose
- Legality of these substances
- Screening for abuse of novel substances

# Synthetic Marijuana



Synthetic marijuana killed nine adults in 2010 in the U.S.

# Synthetic Marijuana

- An 18 year old in Iowa smoked Spice and “felt like he was in hell” and shot himself with a shotgun
- A Hawaii man threw his girlfriend off an 11<sup>th</sup> floor balcony while high on Spice
- A customs agent seized 1500 packets of Spice at an express parcel service hub in Wilmington Ohio in 2009

**Tripoint Medical Center admitted 11  
in January and February due to  
dangerously high BP and pulse  
after smoking synthetic marijuana**

# Synthetic marijuana

**Red X Dawn**



**Genie**



**Yucatan Fire**

**Blaze**

# Synthetic marijuana

- Structurally related to THC, the active compound in marijuana
- Basically, five types:
  - **JWH-018**
  - **JWH-073**
  - **JWH-200**
  - **CP-47,497**
  - **Cannabicyclohexanol**
- Two synthesized at Clemson in the 1980s for research purposes
- Most made in China, India and Asia then routed through Europe

# **Synthetic marijuana isn't marijuana**

- **Plant matter dried**
- **Chemical is dissolved in a liquid then sprayed on plant matter**
- **Mixture is then smoked or ingested**





SPECIAL BLEND  
HERBAL INCENSE

NOT FOR HUMAN CONSUMPTION

# **A brand new way to traffic drugs**

**Over the counter**

*“I assumed it was safe because it was legal”*

# What it does to you

- HIGH heart rate (120-150)
- Convulsions
- Anxiety attacks
- HIGH blood pressure
- Disorientation
- Hallucinations and paranoia
  - Monsters demons aliens
  - Suicidal thoughts and actions

**It looks like marijuana but it  
feels like LSD**

# Legal action

- **On March 1, the DEA temporarily made synthetic marijuana a Schedule 1 substance of the Controlled Substance Act**
  - Like LSD, heroin and cocaine
  - Illegal to manufacture, distribute possess, import and export synthetic cannabinoids
- **Done to avoid an imminent hazard to public safety**

# Bath Salts



**They are not your grandma's bath salts!**

According to the Ohio Dept  
of Alcohol and Drug  
Addiction Services, bath  
salts are used most  
frequently in Dayton and  
Cleveland



**Ivory Wave**

**Cloud 9**

**White Rush**

**Hurricane Charlie**

*Alternate Names For*

# **BATH SALTS**

*ARCTIC BLAST*

*BAYOU IVORY FLOWER*

*BLOOM*

*BLUE MAGIC*

*BLUE MAGIC*

*BLUE SILK*

*BOLIVIAN BATH*

*BONSAI WINTER BOOST*

*C ORIGINAL*

*CLOUD 10*

*CLOUD 10 ULTRA*

*CLOUD 9*

*COTTON CLOUD*

*DYNAMITE DYNAMITE PLUS*

*ENERGIZING AROMATHERAPY  
POWDER*

*EUPHORIA*

*GOLD RUSH*

*HURRICANE CHARLIE*

*IVORY FRESH*

*IVORY WAVE*

*IVORY WAVE ULTRA*

*LADY BUBBLES*

*LUNAR WAVE*

*MR. NICE GUY*

*MYSTIC*

*OCEAN SNOW*

*PURE WHITE*

*RED DOVE*

*ROUTE 69*

*SCARFACE*

*SNOW DAY*

*SNOW LEOPARD*

*TRANQUILITY*

*VANILLA SKY*

*WHITE CHINA*

*WHITE DOVE*

*WHITE GIRLS*

*WHITE HORSE*

*WHITE KNIGHT*

*WHITE LIGHTNING*

*WHITE RUSH*

*WICKED X*

*WICKED XX*

*ZOOM*

# Bath salts

- A Kentucky woman became convinced that her 2 year old was a demon. She picked the child up and dropped him on his head
- A Mississippi man cut his face and stomach with a hunting knife
- A Mentor man tried to hang himself with a belt after snorting bath salts

# Bath salts

- **No legitimate use for bath water —marketed “for novelty use only”**
- **Mimics cocaine, LSD and methamphetamine**
- **Snort, inject and ingest**

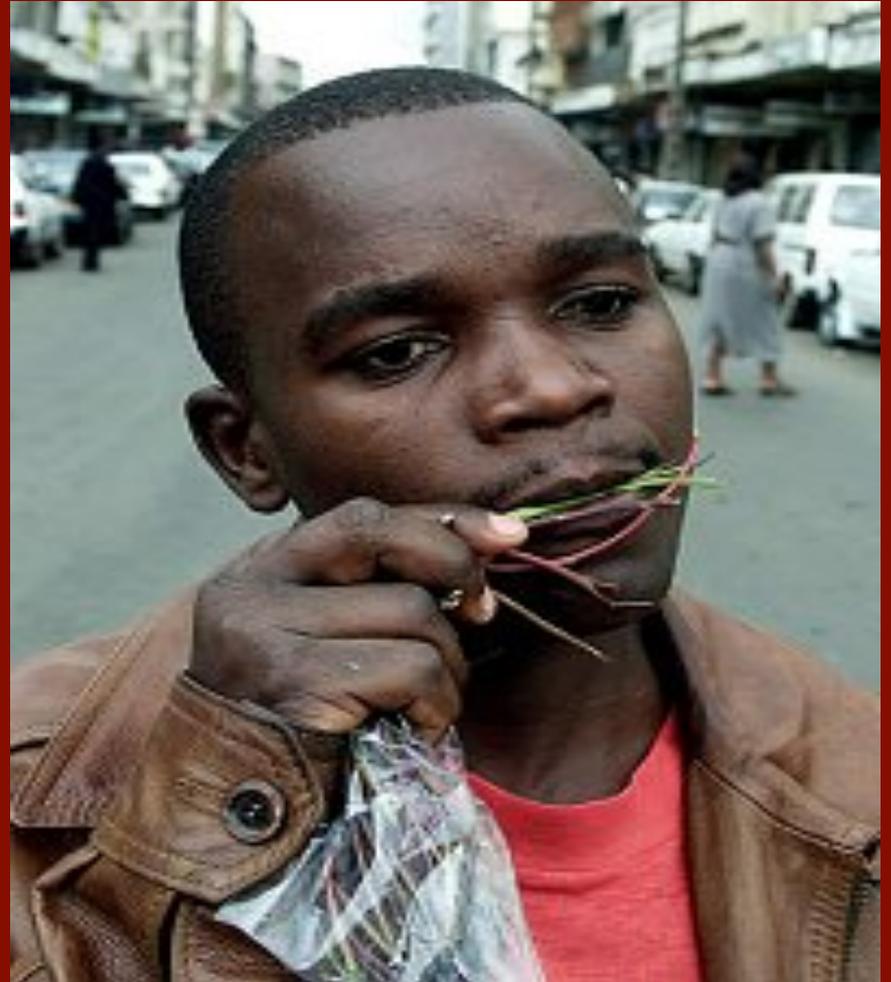
# What it does to you

- Cause paranoia, hallucinations, suicidal
- Can't sleep
- Bizarre behavior
- Rapid heart rate
- Difficulty breathing
- Much longer duration than synthetic marijuana



# Cathinone

- **Schedule 1 drug**
- **Amphetamine**
- **Khat is common in Columbus Ohio!**



# Legal Action

- **None at the federal level yet**
- **Ten states have banned bath salts**
- **Ohio ban currently in legislation**
- **Arrest on disorderly conduct**

# Urine Drug Screening

- These two drugs are **not detected** on routine urine drug screens
- To add urine testing for these drugs, the cost is approximately \$75 to \$100 per group (synthetic marijuana group and bath salts group)

LIMITED EDITION  
**Charley Sheene**  
BATH POWDER

Not For Human  
Consumption

**.5g**



# Lake County

