

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 11th 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**

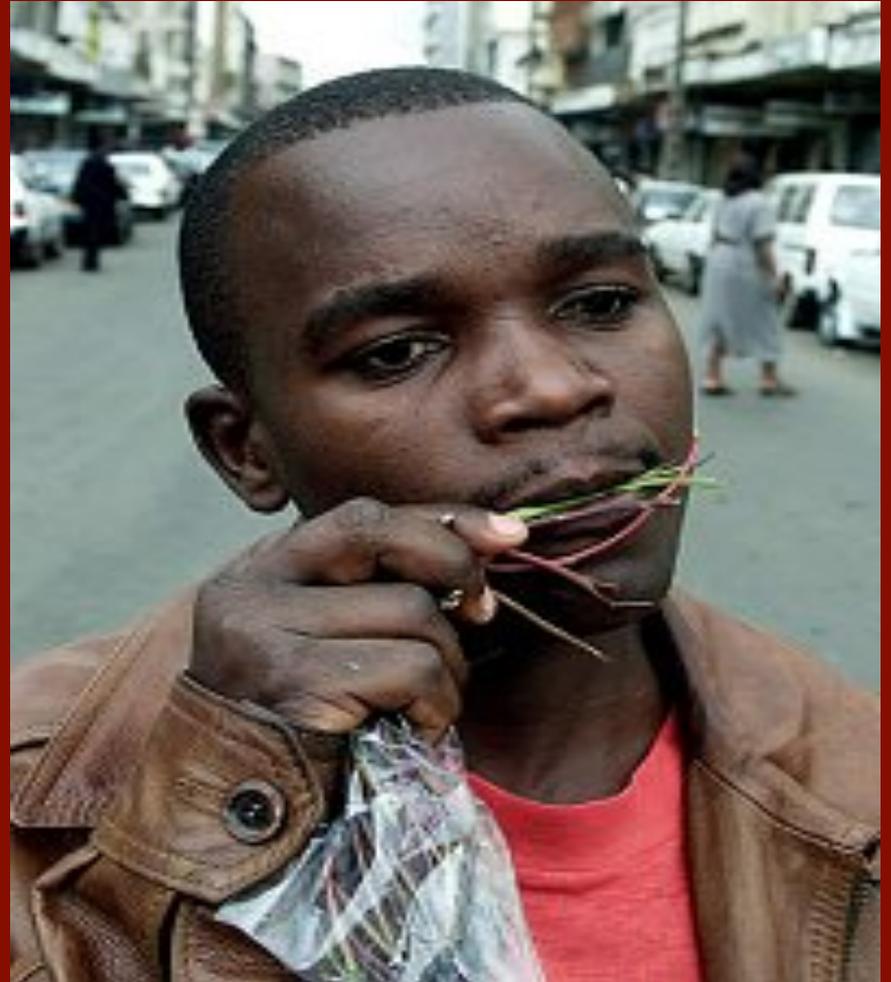
What it does to you

- 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

