Current Drug Trends & New Law Enforcement Tools

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- 30 years professional investigator
- 23 years drug law enforcement
- 3 years patrolman / drug task force

- 20 years Pennsylvania Office of Attorney General
  - Office of Public Engagement / Education and Outreach
  - Bureau of Narcotics Investigation and Drug Control
    - Supervisor / Street and Diversion Unit
    - Undercover Agent
    - Drug Task Force Coordinator
    - Drug Diversion Agent
    - BNIDC PDMP Statewide Supervisor
    - Clandestine Laboratory Enforcement Team / Site Safety Officer
    - Computer Voice Stress Analyst
    - A & B Technician / Plant Supervisor
    - State and National speaker on Drug Diversion
    - Law Enforcement Instructor on Prescription Drug Investigations
    - Court qualified expert in drug diversion

- NASCSA – National Association of State Controlled Substance Authorities
  - Executive Committee
  - Education Committee Chair
New Challenges

- Prescription Drugs
  - Safely Track
  - Safely Store
  - Safely Dispose
    - Erie County Health Department
    - PA Attorney General
    - Coalition Pathways

- Traditional Drug Abuse
  - Less about drug of choice

- Synthetics and Designer Drugs
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Combinations
a.k.a. “Drug Cocktails”

• Trinity
  – Hydrocodone +
  – Benzo i.e. Xanax (Alprazolam) +
  – Muscle Relaxer

• Holy Trinity
  – Oxycodone +
  – Benzo i.e. Xanax (Alprazolam) +
  – Muscle Relaxer

New Holy Trinity
  ▪ Opioid +
  ▪ Benzo+
  ▪ Stimulant

Enhances opioid effects
Prolongs opioid effects
Reduces withdrawal effects
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*illicit* OPIOIDS & *illicit* PHARMACEUTICALS
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FENTANYL ANALOGS

• Over a dozen analogs
• Carfentanil or Carfentanyl
  – 20x more potent than fentanyl & 1000x more than morphine

• Ohmefentanyl The most powerful fentanyl analog
  – 6.3x more potent than Carfentanyl
  – 126x more potent than fentanyl
  – 6,300x more potent than morphine
  – 1 ounce is enough to kill 175 million people (half the U.S. Population)

  – Easy to make
  – Internet has recipes
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Buy Ohmefentanyl Powder, 99.8% Purity; 10gr = $350
www.gunnynonline shop.com • Opioid Products
We deliver Ohmefentanyl discreetly worldwide and are committed to protecting your privacy. Our aim is to be your number one source for Ohmefentanyl for sale giving you the best online shopping experience. Here you can buy some of the lowest Ohmefentanyl for sale at low prices, contact us through the contact form below.

5/5 ★★★★★ (1) Brand: China Pharma Inc

Ohmefentanyl: opiates - reddit
https://www.reddit.com/r/opiates/comments/3z3bu/ohmefentanyl/
Selling or any post or comment regarding the acquisition or sale of drugs, including legal substances, from a specific person or place, including other subreddits members, online market, and/or vendors. Specific DNM's and/or vendors cannot be discussed... Ohmefentanyl (self opiates) submitted 2 years ago by [deleted]

3-Methylfentanyl - Wikipedia
https://en.wikipedia.org/wiki/3-Methylfentanyl
3-Methylfentanyl was first discovered in 1974... one gram of 3-methylfentanyl might be sufficient to produce several thousand dosage units once diluted for sale. 3-MF has reappeared several times, at various places around the world, such as carfentanil and ohmefentanyl...
Formula: C16H19N2O4 Synonyms: 3-methylfen-tanyl, Mefentanyl
Molar mass: 350.497 g/mol
Use as chemical weapon: Synthesis

Ohmefentanyl Powder, 99.8% Purity in yuma, Arizona gun ...
www.gunlistings.org • Gun classifieds in Arizona • Yuma • Misc •
Ohmefentanyl Powder, 99.0% Purity (Pharmaceutical Grade and Lab Tested). We are offering
Ohmefentanyl Powder, 99.8% Purity (Pharmaceutical Grade and Lab Tested) and Premium Quality...

Business For Sale, • For Sale Listings Free Classifieds ...
www.atlanta freeclassifieds com/classified_ads/For_Sale/Business
Find Business For Sale for in For Sale listings on FreeClassifieds.com Join millions of people using FreeClassifieds.com where you can buy or sell anything for free

TRC-0415000- Ohmefentanyl - LGC Standards
Buy Ohmefentanyl from LGC Standards: Please login or register to view prices, check availability and place orders.
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Fentanyl seized from a subject in Erie, PA.

Also contained Heroin and Methamphetamine

Compressed round puck like pieces about the size of a half dollar piece.

Each piece weighed approximately 8 grams - total weight of these 4 pucks was 32 grams.
illicit BENZODIAZEPINES

• Flubromazolam
  – Designer, 500mcg sufficient to induce blackouts
  – Short acting
  – Liquid Xanax or Etizolam

• Flubromazepam
  – Unusually long half-life, 106 hours (about 4 days)
Promethazine with Codeine
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Gabapentin
(Neurontin)

Not scheduled
Requires a prescription
Poppy Seed Tea

Unwashed Poppy Seeds
Addictive
Dangerous
Illegal to possess
- pods
- stems
Legal to possess seeds
Poppy Seed Tea
Poppy Seed Tea

Unwashed Poppy Seeds
Stimulants
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Ounce = 28 grams
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Teeners
Eight Balls
Ounces
Three most common Meth Labs

- One Pot
- Anhydrous Ammonia (Nazi Method)
- Red P (Red Phosphorus)
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If You Suspect a Lab

• Leave the area immediately and report the location and description to Law Enforcement.

• If at the scene of a fire, report your suspicions to Law Enforcement.
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23.9 grams
Crystal Meth

Street value =
$3500 @ $150 / gram
Designer Drugs

U-47700

Developed in 1970’s
Opioid Analgesic (*never studied on humans*)
Purchased from Labs in China shipped via mail
2016 emergency scheduled;
  Ohio
  Florida
2016 DEA Schedule I
Can be tested in blood / urine
2016 – 15 fatalities in U.S.
Designer Drugs

Synthetic Cannabinoids

• Generally smoked
• Same receptors as Cannabis
  – K-2
  – Spice
  – Black Mamba
  – Bombay blue

Albion Prison Incident
Kratom

• Mitragyna speciose - *Tropical Evergreen Tree*
• Not a controlled substance
• Mind Altering Psychotropic
• Affects
  – Similar to Opioids & Stimulants
  – Deaths associated with other drugs
• Use
  – Chew leaves
  – Pill form
  – Smoke
  – Tea
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Kratom
Designer Drugs

Krokodil (desomorphine)?
- Opioid derivative of codeine
- Sedative Analgesic effect
- Highly addictive
- Illicit home based manufacturing
  - Starts with codeine
  - Cooked similar to meth cooking
    - Organic solvents
    - Red phosphorus
  - Chemicals not always cooked out of concoction
- Skin Ulcers
- Infections
- Gangrene
- Russian Magic – short duration opioid intoxication
Police in Fairfield, N.J., seized 61 bottles of Catnip Cocktail during a raid on a nutrition store Thursday. The liquid is marketed as an anti-anxiety supplement for cats and dogs, and contains no catnip. (Fairfield Police Department)
Gamma Hydroxybutyrate

- Odorless
- Colorless
- Tasteless
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1,4 Butanediol a.k.a. BD

• Industrial solvent to manufacture plastics, elastic fibers and polyurethanes

• Converts in GHB in the human body
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SOMAGEN
BHO – Butane Hash Oil a.k.a. Honey Oil

- Use of Butane to strip THC from marijuana plant material
- Rubbing Alcohol very common as well
- Leaves a sticky yellow residue
- Highly flammable
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BHO – Butane Hash Oil a.k.a. Honey Oil
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New Technology

• Serialization Track and Trace
• Digital Ingestion Tracking
• Fingerprint Scanning Technology
• Time Delay Safes and Vaults
• DNA Spray
• Handheld Drug Detectors
• Truth Detection Tech
• Advanced Analytics & Machine Learning
The Pennsylvania Office of Attorney General nor Agent McGill suggests, endorses or recommends any of these instruments or products. We are simply advising that these types of products exist and should be tested and evaluated by your agencies.
Serialization & Track-and-Trace

• Phase 1 – Lot-level tracing & verification of product and transactions (2015)

• Phase 2 – Drug product serialization & enhanced verification of serialized product (2017-2020)

• Phase 3 – Unit-level traceability (2023)
Digital Ingestion Tracking System

- Tiny Sensor embedded in the pill
- Wearable patch to collect sensor data
- Transmits to a smart phone
- Can share data with doctor via secure web portal

- Concerns
  - Ethical issues
  - Med Police
  - Possible hostile environment between doctor and patient
Fingerprint Scanning Technology

- Biometrics
- Analyzes biochemical traces in sweat of fingerprint ridges
- Quickly reveal ingested cocaine, opiates, marijuana or other drugs
- University of Surrey in U.K. detected cocaine and opiate use from a fingerprint in 30 seconds
Fingerprint Scanning Technology

- University of Surrey in U.K.
- Non-invasive technique
- Paper published in *Clinical Chemistry*
  - detected cocaine and opiate use from a fingerprint in 30 seconds
  - 160 samples from 16 individuals at a drug treatment facility who used cocaine within past 24 hrs
    - Confirmed saliva test
  - 80 samples from non-users
  - So sensitive cocaine detected after hand washing
  - 99% of users identified / 2.5% false positive
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Time Delay Safes and Vaults

• Indiana reported a 70% drop in robberies using time-delay safes since 2015
DNA Spray

- Employee activated device
- Sprays a fine, barely visible mist laced with DNA
  - Visible under Ultraviolet Light
  - DNA carries markers particular to a location
  - Acts like a fingerprint
- Can simultaneously alert police
- Can be used to mark property ahead of time
Handheld Chemical Analyzers

• Push button analysis
• Results in 30 – 90 seconds
• Presumptive tests
• Library of chemicals
• Chemical detection
• Explosive detection
• $21,000 to $100k +
• WMD funds
The need for Handheld Chemical Analyzers

- 1991, Clan Lab Team raid a Fentanyl Lab. Contained a body guard with a bird and a mouse in a cage in every room for air monitoring.

- September 2018, NJSP Trooper accidentally exposed to fentanyl during routine processing of evidence at the scene of a non-fatal overdose. Three doses of naloxone administered, two by LE and one by EMS before regaining consciousness.
Truth Detection

• Polygraph
• CVSA (Computer Voice Stress Analysis)
• Brainwave Science **
Computer Voice Stress Analyzers

- Computer reads changes in voice patterns
- Impossible to hide
- Examiner must ask correct questions
- Examiner must interpret readings correctly
Brainwave Science

• Claims to be 99% accurate
• Fully automated
• Analyzes semantic memory recognition
• Does the suspect have knowledge?
• Non-invasive
Thank You

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