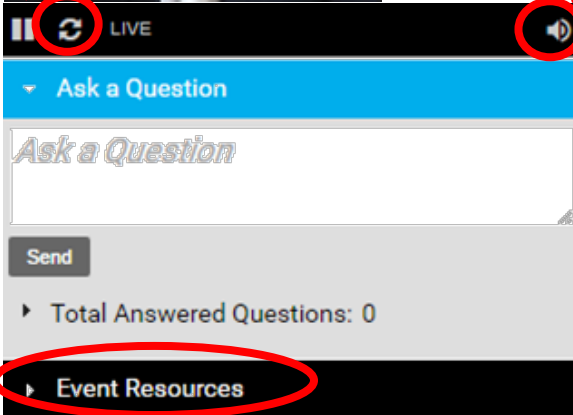


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# NCJTC Presents...

NCJTC



# The Dangers Of Fentanyl: More Deadly than Heroin

Presented by:  
Gil Van Attenhoven  
September 17, 2018

# Webinar Information

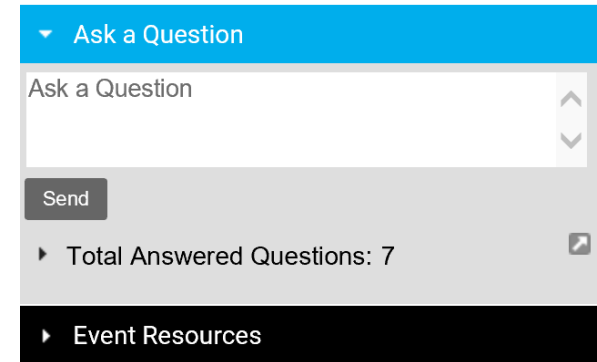


*This webinar is supported by grant 2013-AC-BX-K001, awarded by the Bureau of Justice Assistance (BJA). The Bureau of Justice Assistance is a component of the U.S. Department of Justice's Office of Justice Programs, which also includes the Bureau of Justice Statistics, the National Institute of Justice, the Office of Juvenile Justice and Delinquency Prevention, the Office for Victims of Crime, and the SMART Office. Points of view or opinions expressed in this webinar are those of the presenter(s) and do not necessarily represent the official position or policies of BJA, the U.S. Department of Justice or Fox Valley Technical College.*



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- All attendees will be muted.
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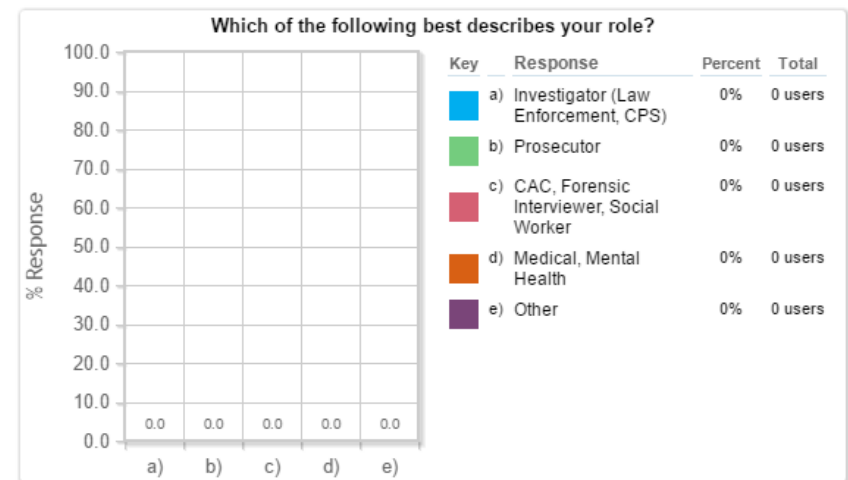
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# Poll Questions

- Poll questions will be asked during the webinar. They are asked so we can better understand the audience and provide the most useful information to you.
- As they will only be open a short period of time, please respond promptly.



## **POLL OPTION: Which of the following best describes your role?**

- Investigator (Law Enforcement, CPS)
- Prosecutor, Attorney
- Forensic Interviewer, Social Worker, Child Advocacy Center
- Medical, Mental Health
- Other (type your role in the question box)







**Gil Van Attenhoven**  
**gvan209@yahoo.com**

- **Over 29 years of law enforcement experience**
- **26 years of experience with the California Bureau of Narcotic Enforcement**
- **Former Drug Task Force Commander**
- **Past president of the California Narcotic Officers' Association**

# Learning Objectives

Upon completion of this webinar, you will be able to:

- Identify the dangers of fentanyl and fentanyl analogs
- Understand fentanyl trends, especially in the United States
- Identify the necessary components of a fentanyl safety program for law enforcement and first responders

# What is Fentanyl?

- Fentanyl is a synthetic opioid painkiller
- It is used as an anesthetic
- It is also prescribed for severe and chronic pain



- Fentanyl is 50 times more potent than heroin
- Fentanyl is 100 times more potent than morphine

# Fentanyl – Extremely Potent



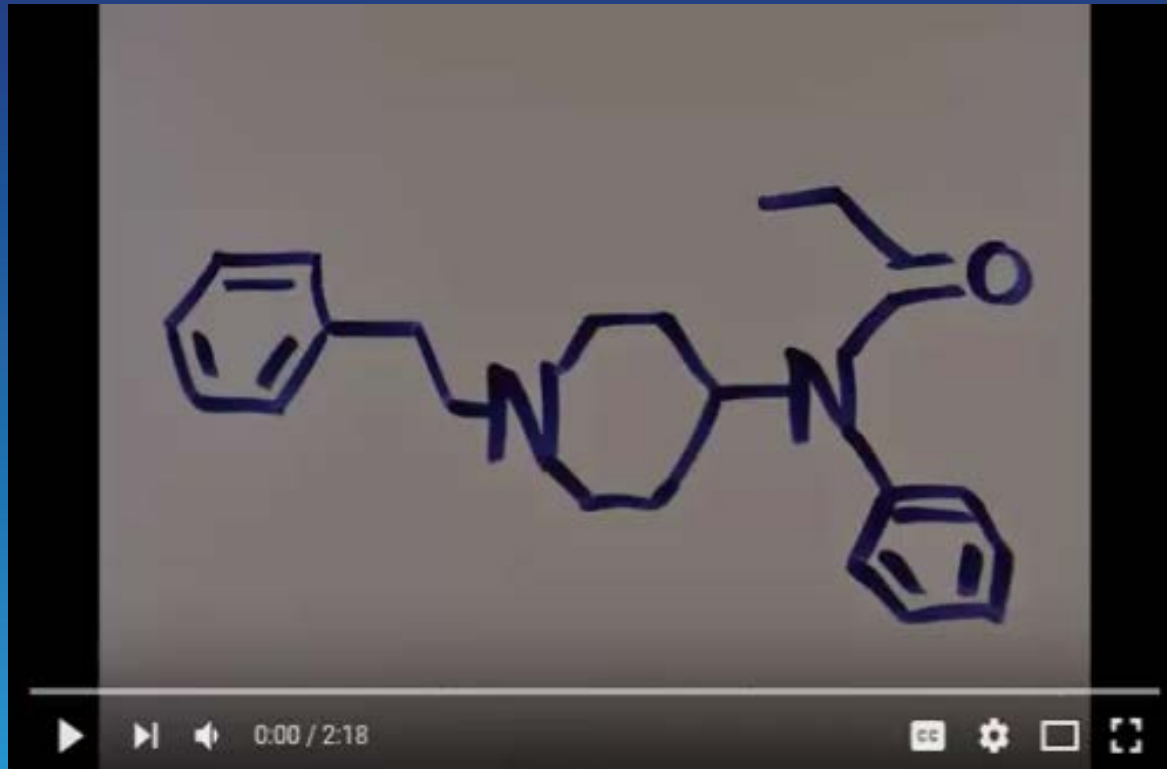
- 1,000 milligrams in one gram
- 1,000,000 micrograms in one gram
- 2 mg of Fentanyl is considered a lethal dose



A close-up photograph of a person's hand, with black-painted fingernails, holding several red, oval-shaped pills. The hand is positioned over a patch of green grass with scattered yellow and brown leaves. Several more of the same red pills are scattered on the grass around the hand. The overall image has a soft, slightly blurred quality.

# **Why people overdose!**

# Fentanyl Basics



NDC 17478-030-02

2 mL Ampule

**SUBLIMAZE®**  
(FENTANYL CITRATE) INJECTION

**50 mcg/mL** Fentanyl base

Sodium Hydroxide may be added  
for pH adjustment.



**For Intravenous or Intramuscular Use.**

Manufactured by: Akorn, Inc.

Lake Forest, IL 60045

AFCADL Rev. 01/12

R<sub>x</sub> only



(01)00317478030027

LOT  
EXP.







50458-0090-05 DURAGESIC 12 MCG/HR PAT 5 TRANSDERMAL SYSTEM, TRANSPARENT, RECTANGULAR RECTANGLE



50458-0091-05 DURAGESIC 25 MCG/HR PAT 5 TRANSDERMAL SYSTEM, TRANSPARENT, RECTANGULAR RECTANGLE



50458-0092-05 DURAGESIC 50 MCG/HR PAT 5 TRANSDERMAL SYSTEM, TRANSPARENT, RECTANGULAR RECTANGLE



50458-0093-05 DURAGESIC 75 MCG/HR PAT 5 TRANSDERMAL SYSTEM, TRANSPARENT, RECTANGULAR RECTANGLE



50458-0094-05 DURAGESIC 100 MCG/HR PAT 5 TRANSDERMAL SYSTEM, TRANSPARENT, RECTANGULAR RECTANGLE

# DURAGESIC(FENTANYL) PATCHES



AmericanPharmaWholesale.com



# Fentanyl-Actiq Raspberry Flavored



# Illicit Fentanyl



# Lethal Dose



## **POLL OPTION: Does your agency allow field testing of substances?**

- Yes
- No
- Unsure
- Not involved with this type of work



# Fentanyl Facts

- Is Fentanyl transdermal?
- The bottom line - yes!!
- There is a concern today that misinformation regarding Fentanyl is fueling an opioid hysteria.
- Can touching any amount of Fentanyl cause severe illness or death? – Simple answer: NO!



# Fentanyl Facts

- Fentanyl is transdermal and can enter your body if it comes into contact with skin.
- It can enter the body through mucous membranes in the mouth, nose, eyes.
- It can enter through inhalation by aerosolized airborne powder.

# Fentanyl Facts

- The recommendation if you get Fentanyl on your skin is to wash it off with soap and water.
- DO NOT use hand sanitizer as it can increase the exposure of Fentanyl.
- But, what if you don't have immediate access to soap and water?
- Examples.....





# Many Factors Involved

- Is it Fentanyl or is it an analog
- The type of contact
- The amount or dosage
- An individual's sensitivity
- The duration of the exposure

# Officer Safety





A close-up photograph of a white, powdery substance shaped into a skull. The skull has two eye sockets, a nasal cavity, and a jagged, toothy mouth. It is resting on a dark, speckled surface that looks like granite or a similar stone. The powder is slightly clumpy and has some fine particles scattered around it.

# Fentanyl or Other Synthetics

- Physically can have the appearance of other drugs
- Distributed in tablet, capsule, rock, nasal spray and powder
- The form is always changing

# Fentanyl Laced Heroin





# Lab Results

AGENCY CASE NUMBER  
PVPFBP15100152

DEPARTMENT OF JUSTICE  
BUREAU OF FORENSIC SERVICES

BFS CASE NUMBER  
FR-15-007940-0001

Submission 01:

Item 01\_01: Contains heroin: 0.204 grams net

Fentanyl indicated. Data compared to literature reference spectra only.

ICE:

9/2015, the following evidence was received from Dustin Thompson of the Pleasant Valley State Prison.

Technical Reviewer: [Signature]  
Administrative Reviewer: [Signature]

RYAN BOOTH  
Criminalist

cc: DOJ Drug Report Recipient DAFRES 559-488-1943

Received from  
Department of Justice  
By D. Thompson  
CR 1-13-16

rs\_060515\_eq1.rpt

Page 1 of 1

# DEA Recommendation - No more field testing

## Safety Considerations

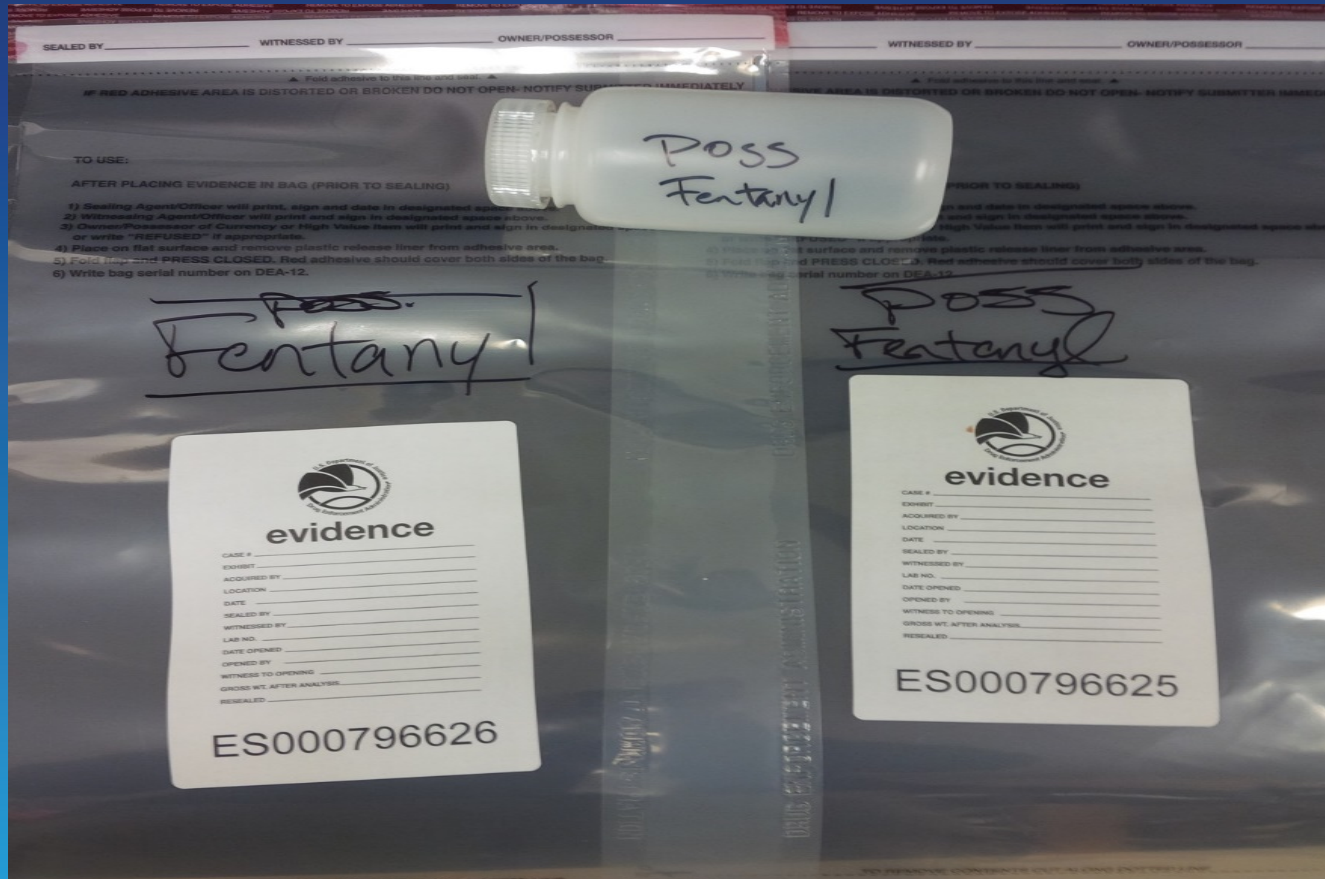
If your agency does not have a policy concerning the safe handling of fentanyl and/or carfentanil, officers should consider the following:

- The field testing of exhibits suspected to be or suspected to contain fentanyl and/or carfentanil should be discontinued.
  - If field testing is performed, it should never take place in an office environment. Testing should only be conducted in a well-ventilated area.





# Packaging to labs





A wide-angle photograph of a desert landscape. In the foreground, a two-lane asphalt road with yellow double lines curves through a dry, sandy area with sparse, low-lying shrubs. In the middle ground, a vast, flat valley stretches out, leading to a range of dark, rugged mountains in the distance. The sky is filled with large, white and grey clouds, with patches of blue visible. The overall scene is arid and expansive.

# Where is the Fentanyl coming from?

# Fentanyl Counterfeit Pills 53 OD's & 14 Deaths

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MARCH 29, 2016 3:33 PM

## Overdoses from fentanyl spread in Sacramento County

HIGHLIGHTS

Public health officials report 28 cases, including six deaths, tied to suspected fentanyl street drug

DEA investigator calls it 'serious health threat' and Northern California's first fentanyl-related wave of overdoses

Four hospitals have admitted patients: Kaiser South, UC Davis, Mercy Folsom and Methodist



VIDEOS





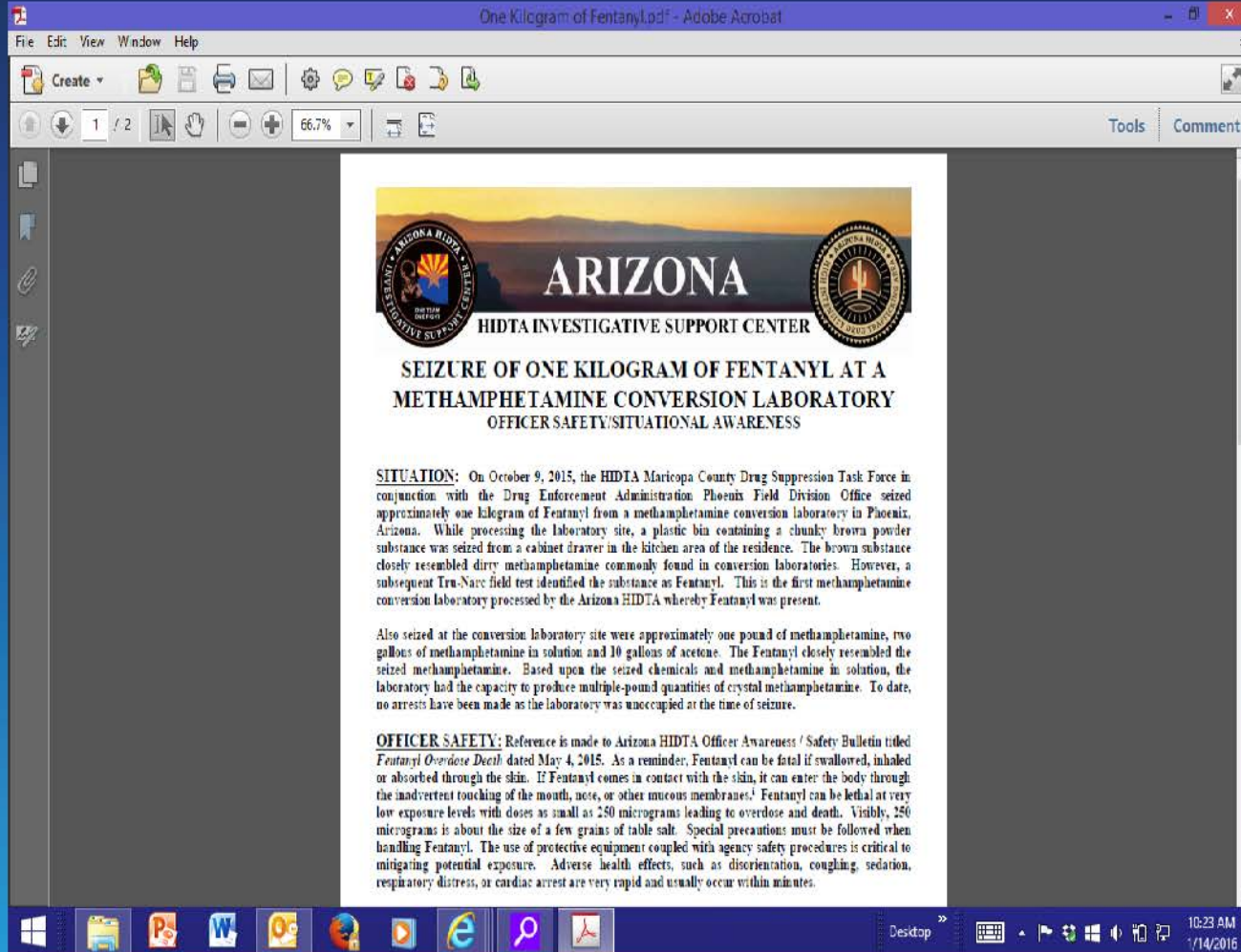


# Orange County - April 2016

- I-5 traffic stop (Honda Civic)
- Hispanic male driver allows consent search
- Two packages in natural void behind stereo
- Various pills (not pharma grade)
- OC markings, tested for both heroin and fentanyl



# Arizona Ice Recovery Lab





# Fentanyl Laced Spice

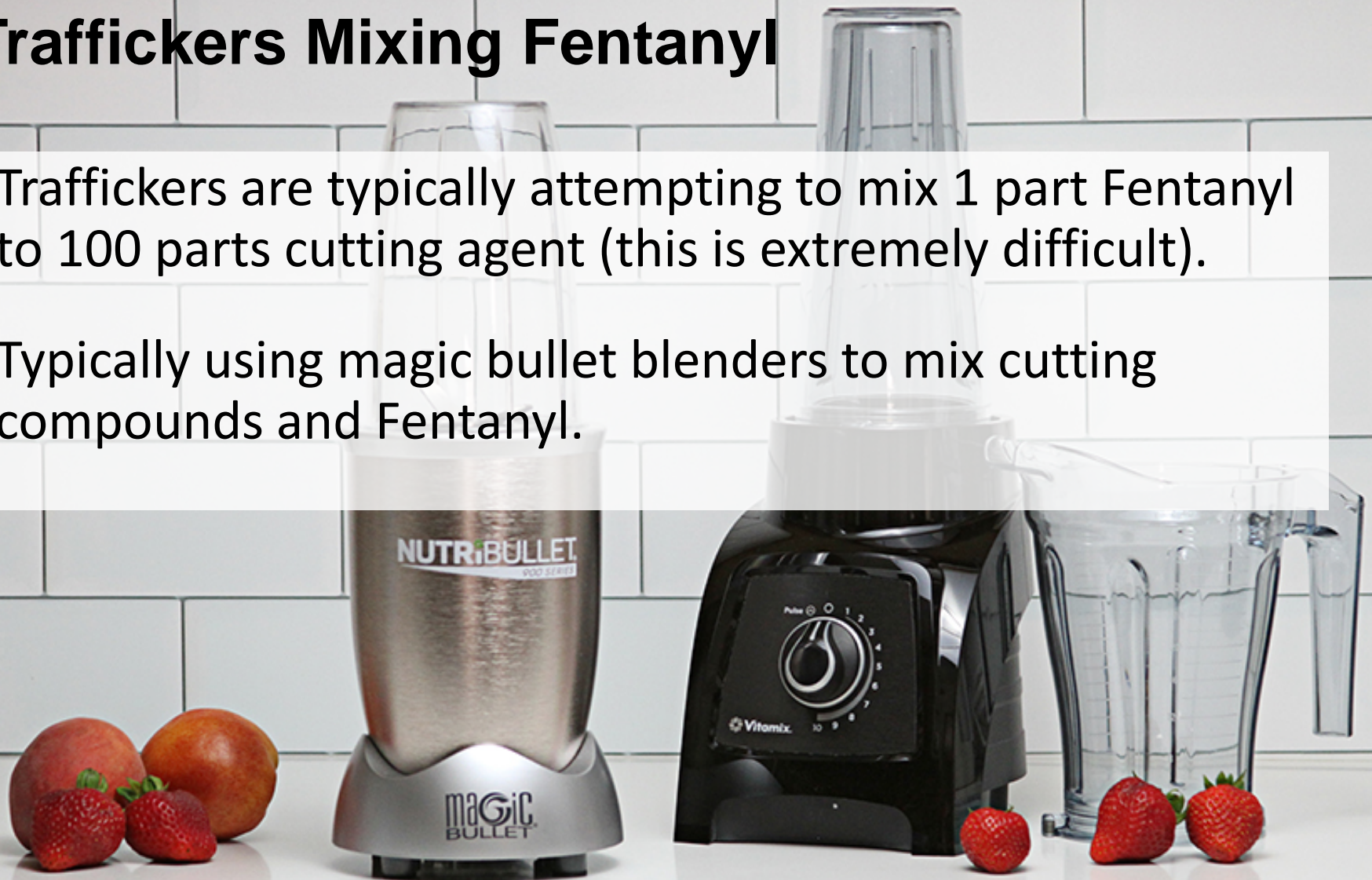


## Arizona DEA agents bust nation's first-known Fentanyl-laced Spice lab

During a recent investigation in Arizona, agents uncovered what is believed to be the nation's first Spice lab using Fentanyl.

# Traffickers Mixing Fentanyl

- Traffickers are typically attempting to mix 1 part Fentanyl to 100 parts cutting agent (this is extremely difficult).
- Typically using magic bullet blenders to mix cutting compounds and Fentanyl.







# Why we are seeing deaths?



- “Hot spots”
- Over concentration
- Result is overdoses and deaths
- Difficult to properly mix



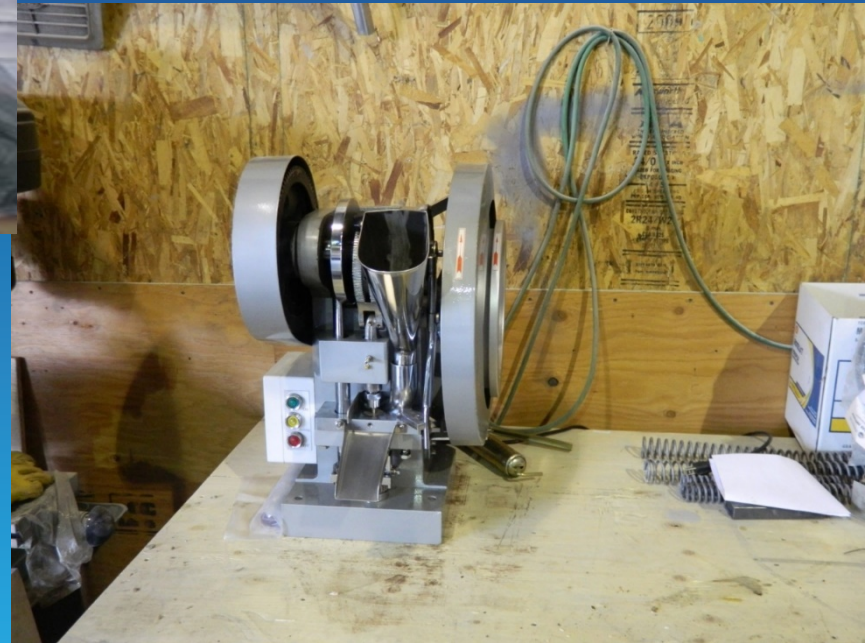


# Google purchase all for less than \$1,000.00

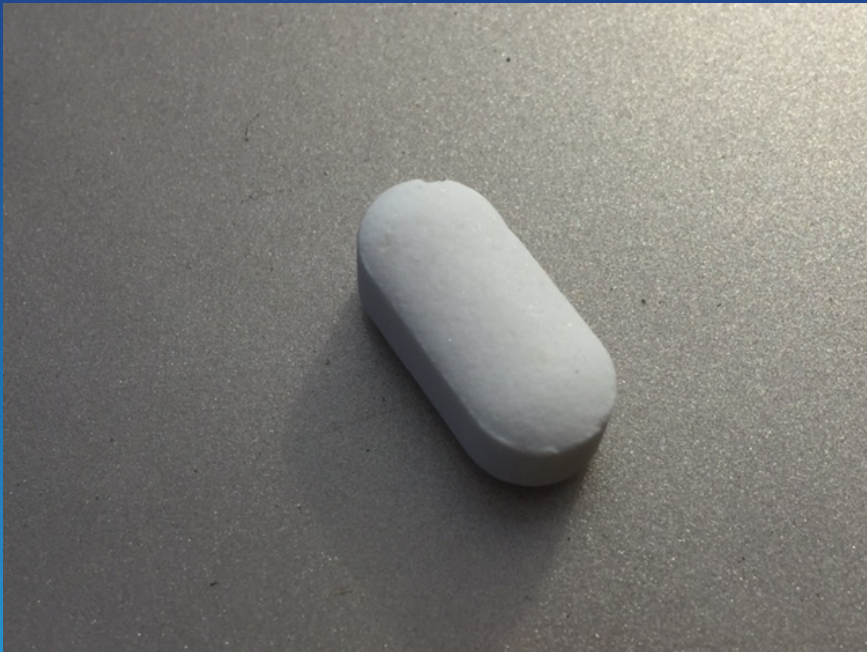




# MANUFACTURING



# Counterfeit pills



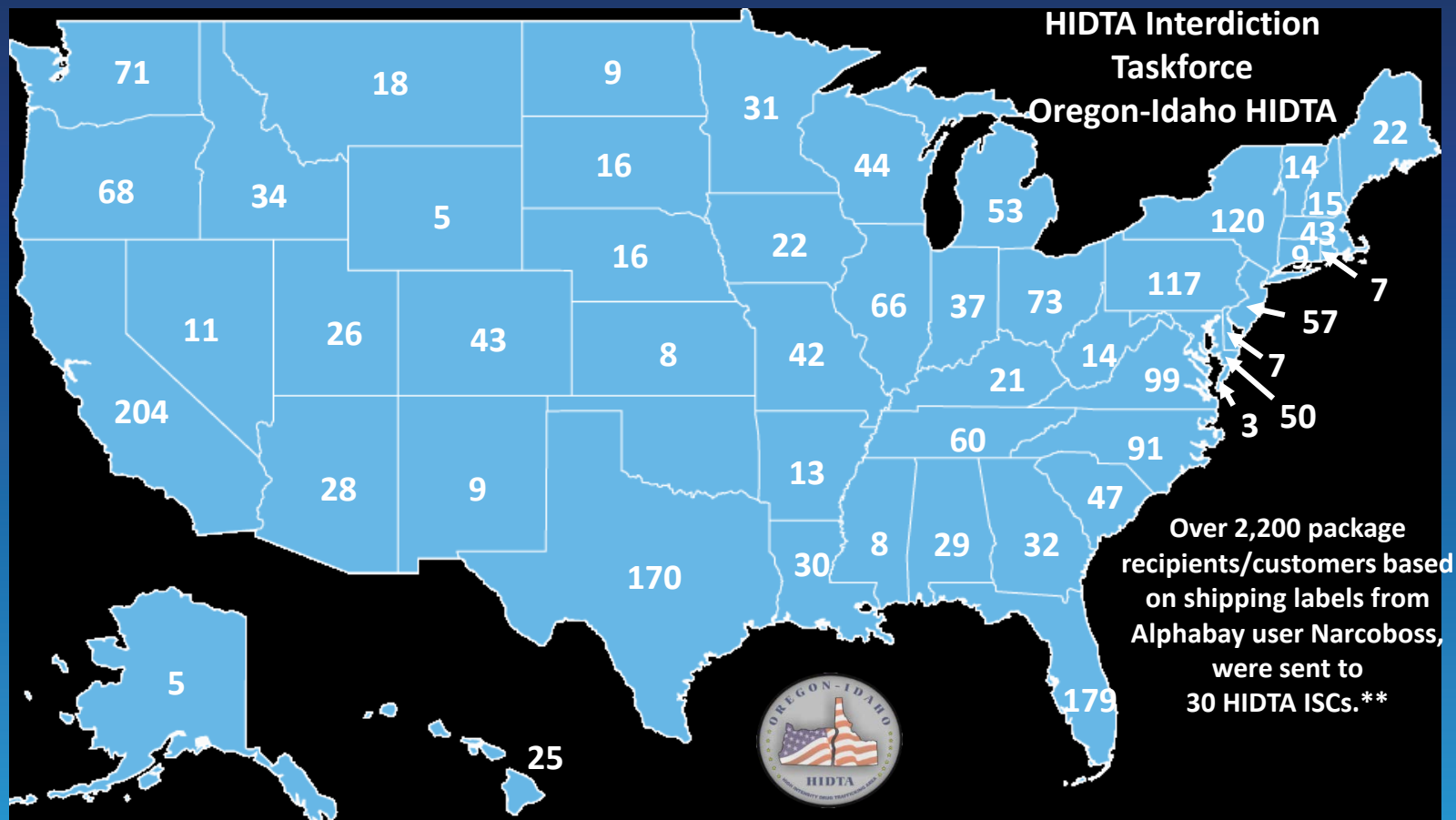






Between September 2016 and June 2017, NARCOBOSS (Henry Koffie) completed more than 5,700 AlphaBay transactions for a “China White Synthetic Heroin Fentanyl Mix” in 1, 7 and 28 gram amounts (@ \$40/gram). The transactions totaled more than 7 kilograms of the fentanyl mix and generated \$284,800 worth of bitcoin. Koffie had more than 14 packages of suspected fentanyl originating in China and Hong Kong shipped to addresses belonging to his family members.

Henry Koffie arrested on July 5, 2017.  
Dark Web - AlphaBay marketplace taken down July 2017.







TACTICAL

## SWAT Officers Sickened From Drug Exposure

NICHOLAS RONDINONE AND CHRISTINE DEMPSEY ON SEP 14, 2016

SOURCE: THE HARTFORD COURANT



*Eleven Hartford SWAT team members were taken to a hospital for treatment after a flash-bang grenade tossed into an alleged stash house Tuesday night kicked up powdered fentanyl and heroin that the officer breathed in.*

**Photo credit:** Hartford Police Department



# Fentanyl Analogs

# Carfentanil

- Fentanyl analog
- 10,000 more potent than morphine
- 100 times more potent than Fentanyl
- Intended for large animal use





# Other Analogs

A collection of medical supplies including several glass vials of different sizes, some with white caps, and several white capsules with a grey band. A large, clear plastic syringe with a needle is prominently displayed in the foreground, angled diagonally. The background is a light, neutral color.

- Acetylfentanyl
- Furanylfentanyl
- U-47700



# Fentanyl Analogs and Narcan



- Some Fentanyl analogs are resistant to the emergency opioid antidote, Narcan (naloxone).
- Two Narcan-resistant strains of Fentanyl analogs have recently been identified:
  - Acrylfentanyl
  - Tetrahydrofuran fentanyl

# POLL OPTION: Does your agency have a Narcan/Naloxone program?

- Yes
- No
- Unsure
- Not involved with this type of work



# Level A, B, C, D



# Level A



# Level B







**REMEMBER!!**

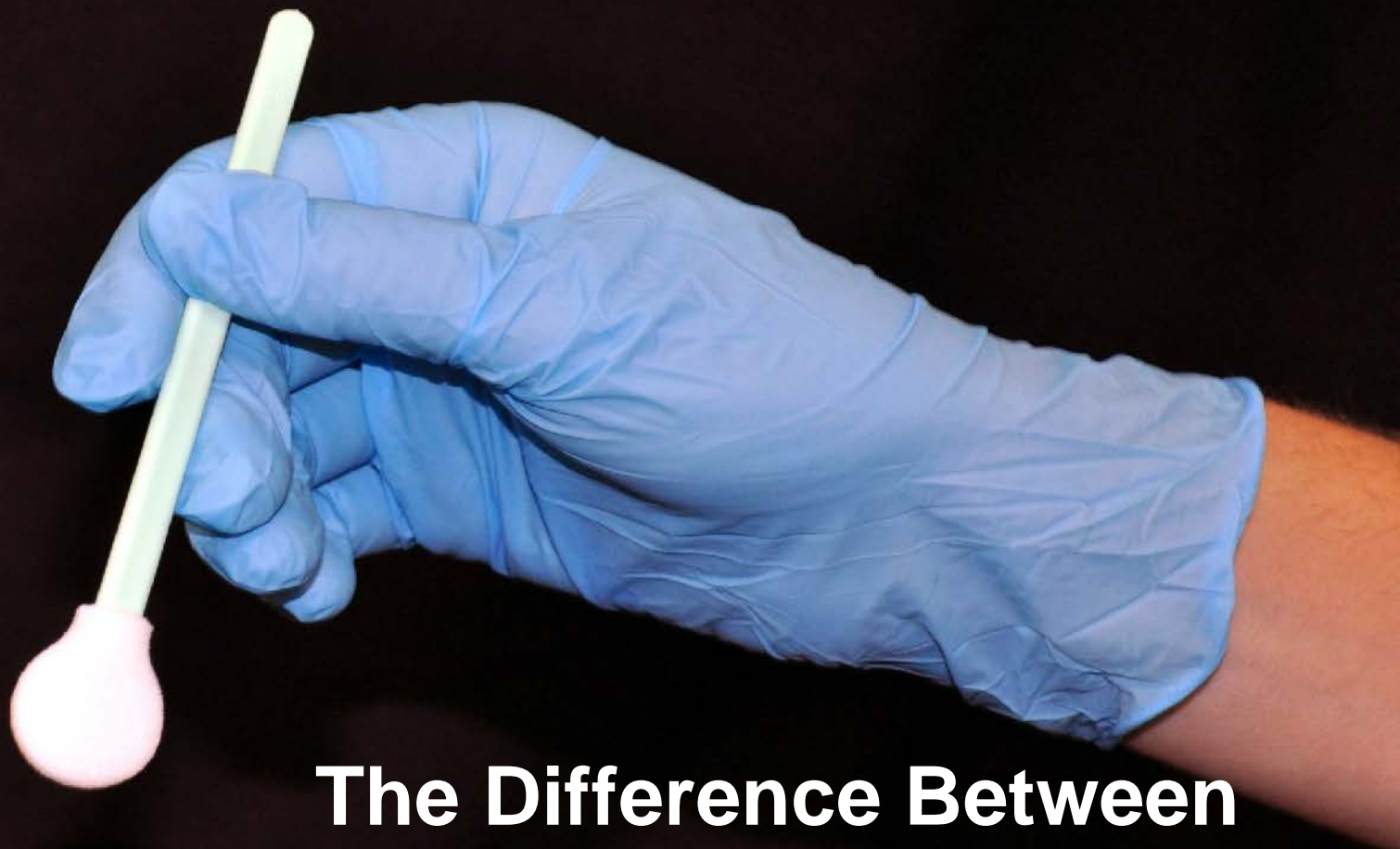
If you can't recognize a hazard, how do you protect yourself?



# Safety equipment for searching Modified Level C







# The Difference Between Nitrile Gloves & Latex Gloves

# Naloxone/Narcan

- Overdose savior that is safe
- Opiate blocker that can rapidly reverse the effects of fentanyl or any opiate/opioid
- Can cause nausea
- Can cause combativeness in an OD subject



# Symptoms of Exposure

- **Symptoms may develop within minutes of exposure**
  - Slow or no breathing
  - Drowsiness or unresponsive
  - Low blood pressure
  - Constricted pupils
  - Feel like everything is shutting down
- **Seek immediate medical attention**



# Treating an Exposure



- Move away from the possible source of exposure
- Administer naloxone per your department protocols
- Be prepared to administer multiple doses
- Be prepared to begin CPR

# Narcan Nasal Spray



# Intranasal Medication Delivery







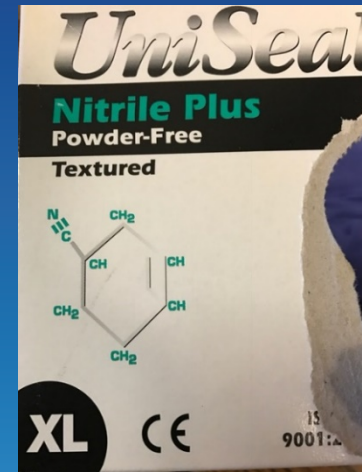


**Body cam video shows officer given Narcan during drug bust**  
by National Desk US



# How to Keep Yourself from Accidental Exposure to Fentanyl

- Understand that fentanyl can kill you
- Know that fentanyl is airborne & transdermal
- Wear proper protective gear
- Do not field test suspected fentanyl
- Implement a naloxone program in your agency







# Q&A



**Gil Van Attenhoven**  
**[gvan209@yahoo.com](mailto:gvan209@yahoo.com)**

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