Epidemic Proportions: Strength, Epidemiology & Public Safety Threats of Carfentanil et al.

Drew Harrell, MD

Medical Director, Albuquerque Fire Department

Medical Director, Bernalillo Co. Sheriff's Department

UNM EMS Medical Direction Consortium





Questions to consider...

- 1- Public health threat or Law Enforcement issue?
- 2- Changes to LEO standard operations? How should Fire/EMS approach this growing issue and be prepared to help?
- 3- What's the solution!









Overdose cases spike in Louisville: 52 calls in 32 hours

By Ralph Ellis and Keith Allen, CNN

Updated 2:38 PM ET, Mon February 13, 2017

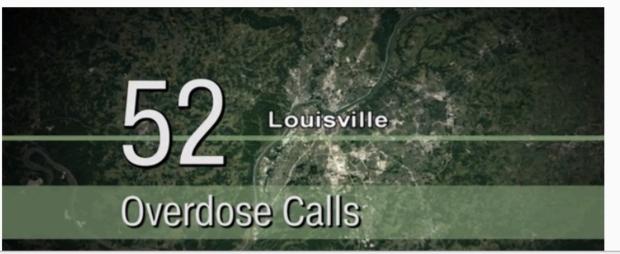
















Discipline Conway, ethics office suggests



38-year-old kidnapping of Etan Patz solved









'He's blue': Louisville rattled by 151 overdoses in 4 days

By Sonia Moghe and Wayne Drash, CNN

① Updated 1:53 PM ET, Tue February 14, 2017













Harrison Ford' involved in airl



Tempers flare Russia relation







Emergency Medicine News

Toxicology Rounds: Who Said the Opioid Crisis Couldn't Get Any Worse?

Gussow, Leon MD

Emergency Medicine News: November 2016 - Volume 38 - Issue 11 - pp 1,29–30 doi: 10.1097/01.EEM.0000508281.75514.70 Toxicology Rounds





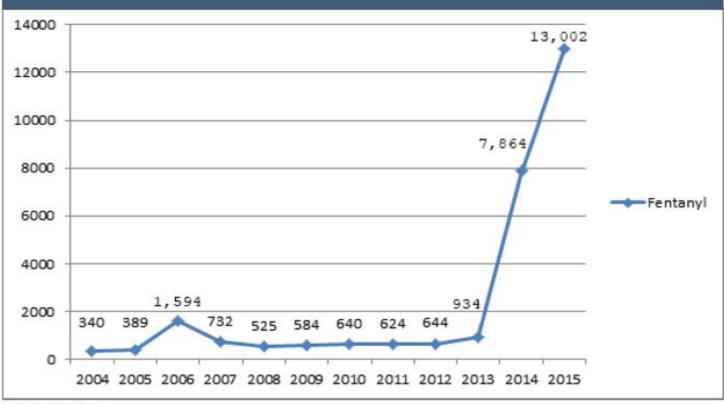


Carfentanil Exposure Treatment & Precautionary Measures for EMS Providers

Fri, Dec 16, 2016 By H. Evan Dingle, MD , Saralyn R. Williams, MD , Corey Slovis, MD







Source: DEA

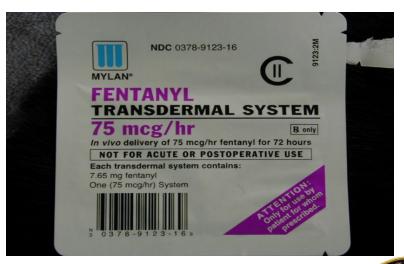






What we are NOT talking about...

Fentanyl (legal)









But this...







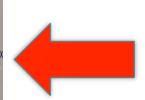
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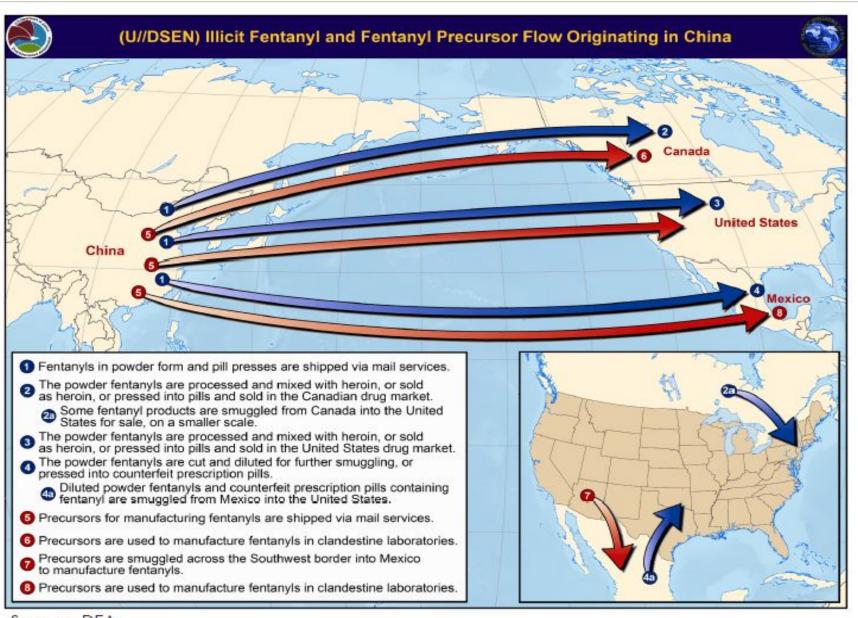
Reg. No. 580 190 SSA 1 ® Marca Registrada Hecho en México por: Laboratorios PiSA, S.A. de C.V.





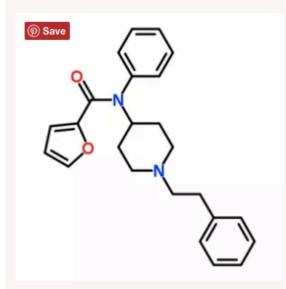






Source: DEA

*Arrows do not represent specific transportation routes.



IUPAC: N-(1-(2-phenylethyl)-4-piperidinyl)-N-

phenylfuran-2-carboxamide

CAS: 101345-66-8

Molecular Weight: 374.484

Molecular Formula: C24H26N2O2

Pricing (Shipping + 1 time reship included)

2g:\$110

3g:\$120

4g:\$130

• 5g:\$150

10g:\$200

• 50g:\$600

• 100g: \$1000

PURCHASE

Buy Furanylfentanyl online from Ching Labs:

FuranylFentanyl is an extremely potent opioid which is structurally related to the highly potent opioid analgesic fentanyl.









⊕ MAXIMIZE

Buy Carfentanil Drug

Buy Carfentanil

4-((1-oxopropyl)-phenylamino)-1-(2-phenylethyl)-4piperidinecarboxylic acid methyl ester

Reference: Carfentanil

Quantity: 1

2147483606 Items in stock

\$361.00

\$380.00



\$361.00 per 50g



More info

Print

Share on Facebook!

Comments

Buy Carfentanil

Carfentanil or carfentanyl is an analogue of the popular synthetic opioid analgesic fentanyl, and is one of the most potent opioids known







Analgesic	Strength	Equivalent Dose (10	Bioavailability	Half-life of active
	(Relative)	mg oral morphine)		metabolites (hours)
Aspirin (non-opioid)	1/360	3600 mg	100%	3.1–9
Ibuprofen (NSAID, non-	1/222	2220 mg	87-100%	1.3–3
opioid)				
Naproxen (NSAID, non-	1/138	1380 mg	95%	12–24
opioid)				
Codeine	1/10	180 mg (PO)	≈90%	2.5–3 (C6G 1.94;[9] morphine 2–3)
Tramadol	1/10	>200 mg	75% (IR), 85–90% (ER)	5.5–7 (≈9)[clarification needed]
Dihydrocodeine	1/5	50 mg	20%	4
Hydrocodone (Vicodin)	1	10 mg	≥80%	3.8–6
Morphine (oral)	(1)	(10 mg) (30 mg PO)	≈25%	
Oxycodone (Percocet)	1.5	6.67 mg	≤87%	3–4.5
Morphine (IV/IM)	3	3.33 mg	100%	2–3
Methadone (acute)	3–4	2.5-3.33 mg	40–90%	15–60
Heroin IV/IM	4–5	2–2.5 mg	100%	<0.6
Hydromorphone (Dilaudid)	5	1.5 mg SC/IV/IM, 7.5 mg PO	62%	2–3
Oxymorphone (Opana)	7	10 mg PO, 1 mg IV	10%	7.25–9.43
Methadone (chronic)	2.5–5	3.33 mg	40-90%	15–60
7-Hydroxymitragynine	17	≈.6 mg		
Buprenorphine	40	0.4 mg	35-40% (SL)	20–70, mean 37
Fentanyl	50–100	0.1 mg (100 mcg) IM/IV	33% (SL); 92% (TD)	0.04 (IV); 7 (TD)
Sufentanil	500-1,000	10-20 μg		4.4
Etorphine[1,000-3,000	3.3-10 μg		
Carfentanil	10,000– 100,000	0.1–1.0 μg		7.7



UNCLASSIFIED//LAW ENFORCEMENT SENSITIVE

(U) Opioid Overdoses Caused by Counterfeit Xanax® Containing Fentanyl in Northern California

(U) This DEA Bulletin is based on preliminary reporting and may be subject to updating as additional information becomes available.

DEA-SFO-BUL-047-16 JANUARY 2016

(U) Event

(U//DSEN) In October and November 2015, the San Francisco Health Department and departments in the surrounding area issued health advisories detailing the overdoses and deaths arising from the ingestion of Xanax® purchased off the street. Although toxicology reports are pending, initial analysis of the counterfeit Xanax® pills has determined that they were either laced with fentanyl or composed entirely of it.

(U) Significance

(U//DSEN) Xanax® purchased on the street can contain adulterants or may consist entirely of other substances, yet be indistinguishable from the legitimate pharmaceutical product. Fentanyl is an extremely potent, short acting synthetic opioid. The San Francisco Department of Public Health notes that Fentanyl may be more difficult than other opiates to reverse with naloxone, a short acting opioid antagonist. Multiple doses have often been required to reverse overdoses.

(U) Details

(U//DSEN) From October 15 - 17, 2015, three individuals were examined at San Francisco General Hospital after ingesting a pill inscribed and sold as Xanax[®], which was purchased off the street. All three suffered an opioid

(U) This document is the property of DEA and may be distributed within the Federal Government (and its contractors) law enforcement, and public safety or protection officials with a need to know. Distribution beyond these entities without DEA authorization is strictly prohibited. Precautions should be taken to ensure this information is stored and/or destroyed in a manner that precludes unauthorized access. The use of information in this report is preapproved for U.S. Intelligence Community products, including finished analytic products distributed to U.S. Executive Branch departments/agencies. Cited portions must carry the same classification and controls, and readers of this report must hold all appropriate clearances. Otherwise, the information in this report may not be used in legal proceedings, for operational or intelligence collection activities, shared with foreign persons or agencies, entered into non-DEA databases for operational purposes, or reproduced in additional formats unless express permission is granted by DEA based on a written request submitted to dea onsi@gold.ic.gov (Top Secret), dea.onsi@dea.usdoj.sgov.gov (Secret), or dea.onsi@dea.usdoj.sgov.(Unclassified).



UNCLASSIFIED//LAW ENFORCEMENT SENSITIVE



FENTANYL PILLS DISGUISED AS PRESCRIPTION OXYCODONE TABLETS IN TUCSON, ARIZONA

OFFICER SAFETY/SITUATIONAL AWARENESS

SITUATION: On September 7, 2016, the Arizona HIDTA Counter Narcotics Alliance (CNA) seized approximately 1,100 blue tablets imprinted with an "M" on one side and "30" on the opposite side of the tablet. The tablet imprints and color are consistent with pharmaceutically manufactured Oxycodone tablets. Investigative intelligence indicates the tablets originated in Mexico. The Tucson Police Department Crime Laboratory analysis of one tablet revealed the presence of Fentanyl and Acetaminophen. Intelligence indicates the price for a Fentanyl tablet is approximately \$18.00 in the Tucson, Arizona area.



Fentanyl/Acetaminophen tablets disguised as pharmaceutically manufactured Oxycodone tablets

Photographs: Tucson Police Department

OFFICER SAFETY: As a reminder, Fentanyl can be fatal if swallowed, inhaled or absorbed through the skin. If Fentanyl comes in contact with the skin, it can enter the body through the inadvertent touching of the mouth, nose, or other mucous membranes. Fentanyl can be lethal at very low exposure levels with doses as small as 250 micrograms leading to overdose and death.

www.azhidta.org

FENTANYL / CARFENTANIL ALERT FORCANINE HANDLERS

On October 27, 2016, the Broward Sheriff's Office Detection Canine Unit assisted DEA, HSI, and the Lauderhill Police Department with the execution of a narcotics search warrant. The subject of the investigation was suspected in sale of Heroin and Heroin potentially laced with Fentanyl. It was believed that the supplier of the Fentanyl had been arrested some weeks prior to the execution of the warrant and the presence of Fentanyl was unlikely.











October 9, 2016 Albuquerque, NM Pill count 3000+

Tablets containing Fentanyl – Do the Math!



EMCDDA: 2mg is **fatal**.

Avg. tablet weight: 106mg Avg. purity ~1.7%

Each tablet has: ~1.8mg fentanyl hydrochloride

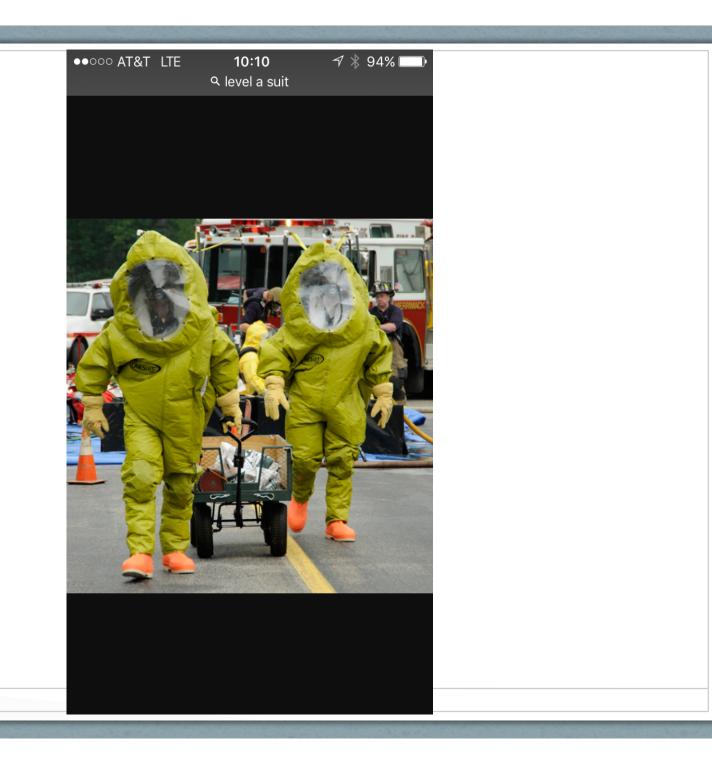
Or... 1,800 Micrograms!!!

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DEA Minimum safety precautions



- Personal Protective Equipment (PPE): Evidence exhibits should be handled, processed, received, transferred and delivered while employing at a minimum a chemical resistant suit, respirator, nitrile gloves and eye protection, when contact with any suspected fentanyl related substance is a possibility.
- The PPE described should only be used when evidence is located and/or received in small amounts and can easily be contained and sealed, NOT where there is loose powder and/or gross contamination. A "Level A" protective suit should be utilized in areas with gross contamination; clandestine laboratory enforcement personnel are "Level A" certified and should be consulted in these instances.









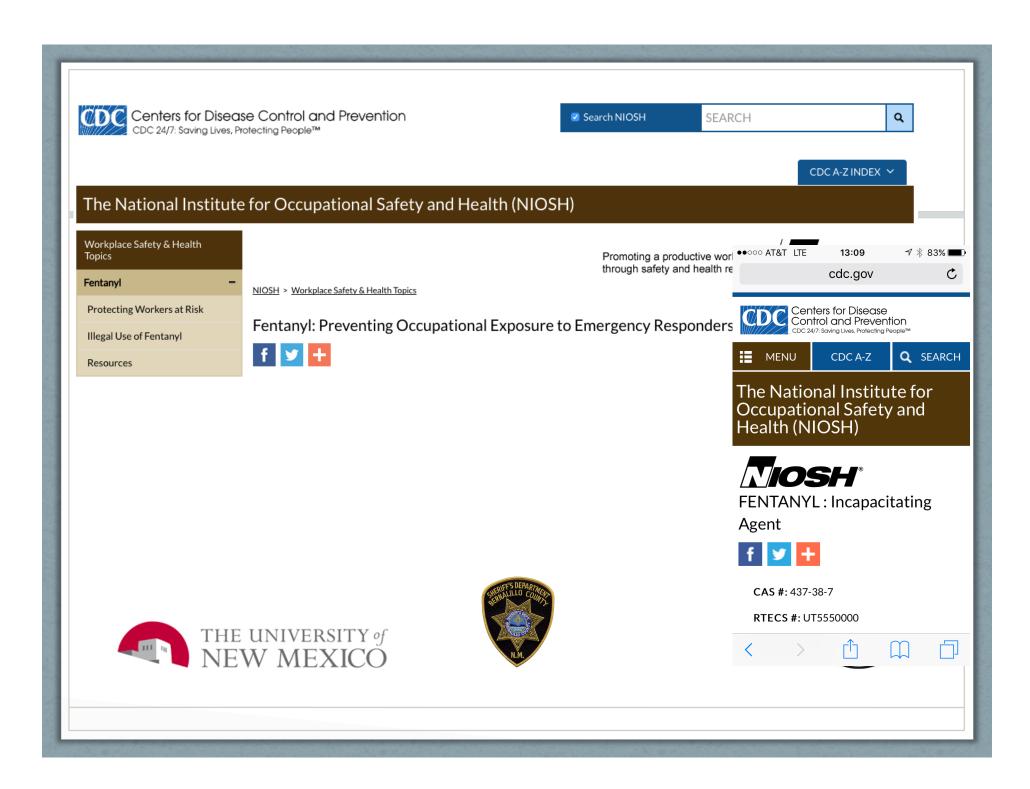














BERNALILLO COUNTY SHERIFF'S DEPARTMENT INTERNAL DEPARTMENT CORRESPONDENCE SHERIFF MANUEL GONZALES III



DEPARTMENT MEMORANDUM:

DATE: OCTOBER 27, 2016

TO: ALL SPECIAL OPERATIONS UNITS (SWAT, K9, ERT, CNT)

FROM: SHERIFF MANUEL GONZALES III

SUBJECT: UNIVERSAL PRECAUTIONS FOR SPECIAL OPERATIONS IN POSSIBLE FENTYNAL

ENVIRONEMENTS

The Sheriff's Office has received information in regards to Fentanyl and Carfentil overdoses occurring in our state. According to the Drug Enforcement Administration (DEA) these synthetic drugs are being "cut" with Heroin and also being pressed into pills to avoid detection and are being trafficked as Oxycodone.







BCSO Overdose Response with Naloxone

Determine Unresponsiveness No breathing or No normal breathing

Advise Dispatch and Send second unit for Naloxone Kit

Initiate BCSO CPR protocol Retrieve or request AED

Have second unit administer First vial of Naloxone

If unresponsiveness continues Administer second vial of Naloxone

Continue CPR until EMS takes over Or the subject starts to move

Hand off to EMS For assessment and follow up





NEW MEXICO DEPARTMENT OF HEALTH

Administrative Manual

Chapter

ADMINISTRATION

EFFECTIVE:

REVISED: 4/13/9 draft

Policy

NALOXONE DISTRIBUTION POLICY

I. PURPOSE:

This New Mexico Department of Health (NMDOH) policy establishes guidelines for the dispensing of Naloxone through NMDOH Public Health Offices (PHO) and Contractors in order to reduce fatal opioid overdose as stated in Chapter 24, Article 23, Sections 24-23-1 and 24-23-2, NMSA 1978, and 7.32.7.1 through 7.32.13 NMAC, 9/13/2001.





Solutions...







Questions to consider...

1- Public health threat or Law Enforcement issue?

2- Changes to LEO standard operations? How should Fire/ EMS approach this growing issue and be prepared to help?

3- What's the solution!





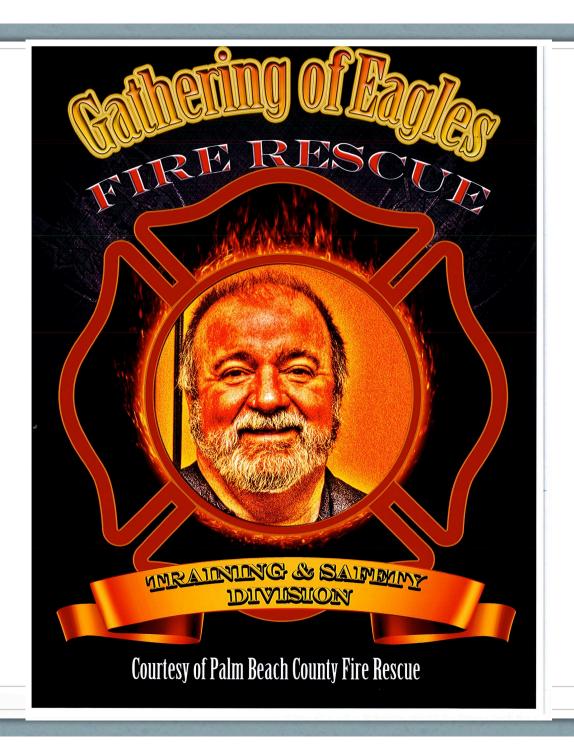


But one final thing ...









Thank You

- dharrell@cabq.gov
- ajharrell@salud.unm.edu













It's not "just another OD"

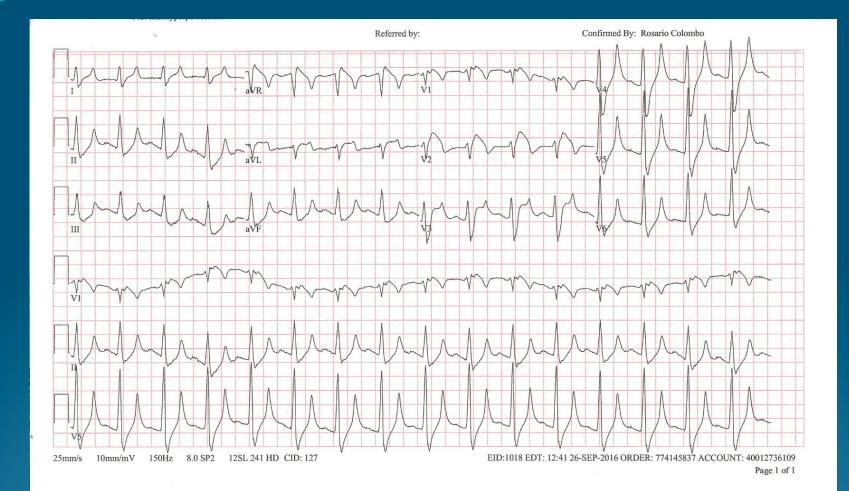




Kathleen Schrank, MD, FACEP, FACP
City of Miami & Key Biscayne Fire Rescue

"Rescue 6 to JMH...."

- 40 y.o. male found unresponsive at home by his brother, GCS 8, pinpoint pupils, improving with Narcan and IVF
- ED: Alert, cussing, screaming with back and leg pain
- No sx/sx trauma, can't/won't move legs
- Later RLE fine, LLE zero
- More Hx: Last seen normal MANY hours ago, found hanging over edge of bed, legs twisted under him



Labs:

- Venous pH 6.98, BE-17, lactic acid 4.7
- K+ 8.6
- Creat 4, PO4 14, uric acid 15, Ca 6.5, gap 33
- CPK >300,000
- Urine red, U/A blood high, no RBC

DDx LLE:

- Trauma : fx vs crush vs SCI vs compartment syndrome
- Rhabdo
- Plexopathy

"Rescue 5 to JMH...."

- 28 year old male opiate OD
- ED: RLE pain and swelling
- Crush/compartment syndrome
 - Fasciotomies
 - Later amputation
- Rhabdo, renal failure, dialysis

Compartment Syndrome & Fasciotomies

Catastrophic diagnosis



