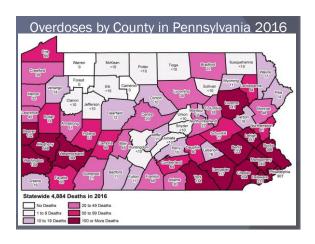
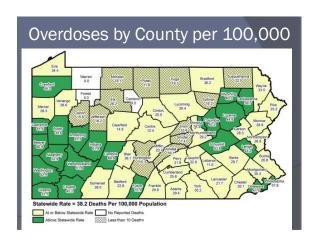
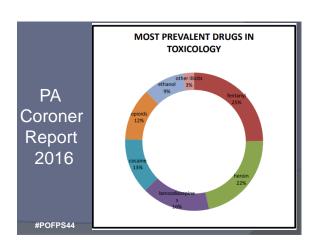
Prescription Drug Laws and Emerging Drugs in Our Communities Ed Cartwright August 10, 2019

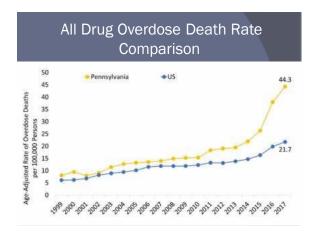
Disclosures I have no relevant financial relationships or conflicts of interest to disclose.

Goals and Objectives Better understand the Pennsylvania Drug Act and illegal activities. Learn that various fentanyl analogs are being placed into counterfeit pills. Learn what some of the current trends in prescription drug abuse are. Understand how synthetic opioids are being made to look like legitimate prescription drugs.

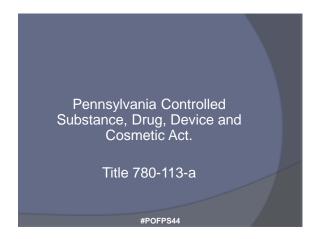








The Tenets of Lawful Prescribing CFR 1306.04 A lawful prescription for a controlled substance must meet the following: "A prescription for a controlled substance to be effective must be issued for a legitimate medical purpose" "by an individual practitioner acting in the usual course of his professional practice." IMPLIANCE ALBERT AND ALBERT AN



Illegal Acts

Section 780-113-a-12

(12) The acquisition or obtaining of possession of a controlled substance by misrepresentation, fraud, forgery, deception or subterfuge

http://www.health.state.pa.us/pdf/ddc/ddcAct.pdf

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Illegal Acts

PA Controlled Substance, Drug, Device and Act.

Cosmetic

Section 780-113-a-14

The administration, dispensing, delivery, gift or prescription of any controlled substance by any practitioner or professional assistant under the practitioner's direction and supervision unless done

- in good faith in the course of their professional practice;
- (ii) within the scope of the patient relationship;
- (iii) in accordance with treatment principles accepted by a responsible segment of the medical profession.

http://www.health.state.pa.us/pdf/ddc/ddcAct.pdf

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Key Points

In establishing probable cause in a criminal investigation, Law Enforcement Officers cannot determine legitimate medical purpose, medical experts should

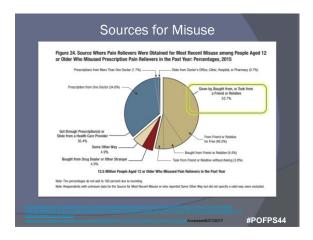
Medical expert testimony is essential for administrative and criminal actions relating to medical practice and prescribing

Known Drug Addicted Patients Section 780-113-a-13:

The sale, dispensing, distribution, prescription or gift by any practitioner otherwise authorized by law so to do of any controlled substance to any person known to such practitioner to be or whom such practitioner has reason to know is a drug dependent person, unless said drug is prescribed, administered, dispensed or given, for the cure or treatment of some malady other than drug dependency...... for a period of time not to exceed fourteen days pending confirmed admission of the patient to a hospital or rehabilitation center.

http://www.health.state.pa.us/pdf/ddc/ddcAct.pdf

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Potential Drug-Seeking Behavior

Wants appointment toward end-of-office hours or telephones / arrives after regular business hours

Insists on being seen immediately or demands immediate action. Says they are in a hurry to catch a plane or late for a business meeting

Wants early refills

Potential Drug-Seeking Behavior

Not interested in having physical examination or undergoing diagnostic tests

Unwilling to give permission to obtain past medical records

Unable to recall hospital or clinic where past records are kept, or states it is out of business or burned down

Unwilling or unable to give names of past healthcare professionals

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Potential Drug-Seeking Behavior

Has no interest in referral -- wants prescription now

Shows unusual knowledge of controlled substances

Requests a specific drug, unwilling to try any other treatment, with no medical justification

Claims allergies to non-opioid analgesics with no medical justification

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Preventing Diversion: The Practitioner

Educate the patients about:

Where to store their medications.

Not to share their medications.

Any unique side effects such as absorption rates based on body temperatures or mixed with alcohol

Not to break, cut, etc.. time release tablets.

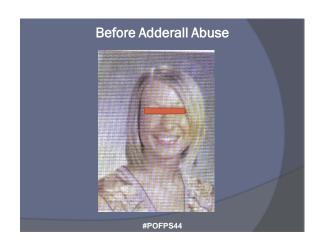






Prescription-Drug Abuse				
Street value dependent on				
brand vs generic				
quick onset				
Intensity				
whether a product can be injected or snorted successfully				
dosage				
current popularity of drug on street				
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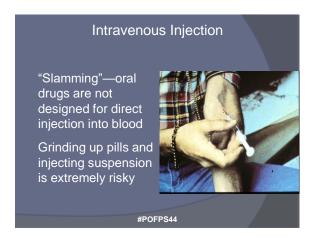


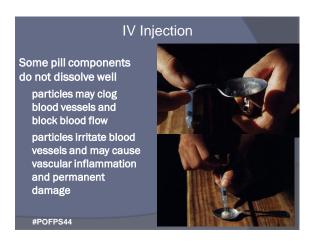




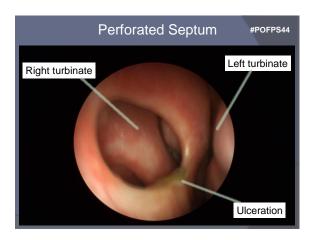






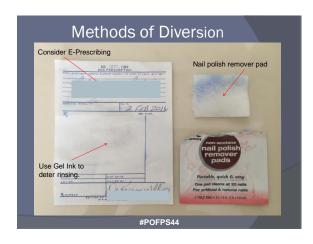












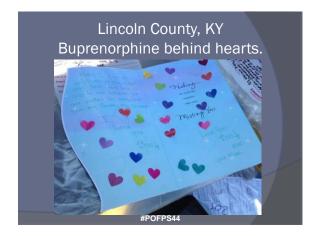






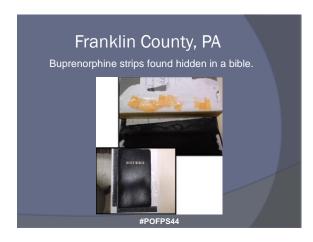








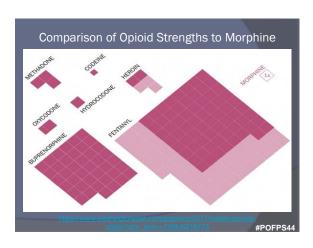
Current Trends in Pennsylvania Westmoreland County: Female lied to prescriber about addiction to get buprenorphine, hid it in female bathroom at lobby of jail. Inmates cleaning would pick it up and sell in their cell block. Somerset County: Male prisoner found with buprenorphine strips taped to inside shirt pocket and taped to parts of his body.









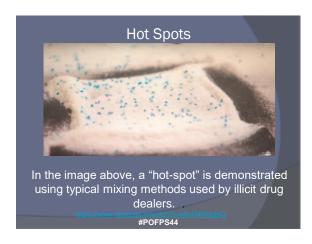


Carfentanyl Carfentanyl was developed in 1974 by Jansen Pharmaceuticals under the brand name of Wildnil					
Carfentanyl is an analogue of fentanyl					
General anesthetic for large animals such as Elk, Moose, Elephants					
Schedule II controlled substance federally					
Limited to 19 grams production per year					
https://pubchem.ncbi.nlm.nih.gov/compound/carfentanil#section=Top #POFPS44					

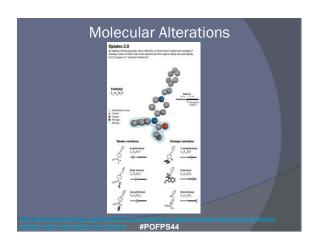
Manufacture of Illicit Fentanyl Key ingredient in making fentanyl is NPP					
NPP is N-Phenethyl-4-piperidinone					
NPP was placed on the United Nations list of scheduled drugs in 2017					
NPP is typically purchased from China for about \$87.00 for 25 grams					
Combined with about \$720.00 of other chemicals produce up to \$800,000.00 of counterfeit pills on the black market					
ingredients-on-control-list-idUSKBN16N2MB #POFPS44					

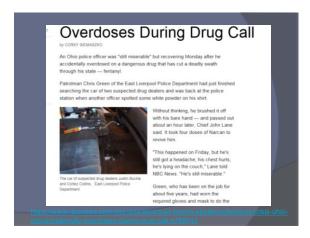






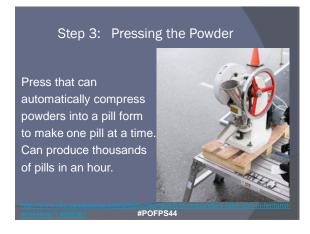










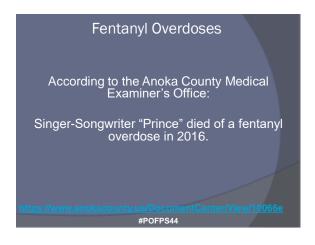




Step 5: Automated Pill Counter An automated pill counter is often used to count large quantities of counterfeit pills. This particular counter was seized by RCMP at an illicit fentanyl pill operation.



History: Moscow Theatre Crisis Carfentanil and Remifentanil were used in 2002 in the Moscow Theatre Hostage Crisis	
Russian officials placed the drug combination into a theatre ventilation system to sedate 40 hostage takers who had taken 850 hostages	
Afterward, rescuers used Naloxone to save some of the hostages	
40 hostage takers and 130 hostages died as well as over 700 injured, mostly from breathing in the drug combination	
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Fentanyl Overdoses
According the Los Angeles County Coroner/Medical Examiner:
Singer-Songwriter Tom Petty died on October 2, 2017 of a combination of drugs including:
Acetyl Fentanyl
Despropionyl Fentanyl
Fentanyl
Oxycodone
Temazepam
Alprazolam
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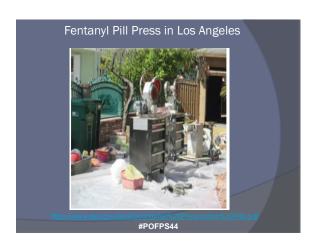


Figure 13. Potential Revenue Generated from Fentanyl Pill Sales Using 1 Kilogram of Fentanyl (in USC)				
Amount of Fentanyl Per Pill	Price Per Pill	Price Per Pill	Price Per Pill	
	\$10	\$15	\$20	
1.5 milligrams (666,666 pills)	\$6.6 million	\$9.9 million	\$13.3 million	
1 milligram (1 million pills)	\$10 million	\$15 million	\$20 million	





Other Non-Fentanyl Opioids The Upjohn Company created U-47700 in the 1970s, but it never received Food and Drug Administration (FDA) approval. Available on the internet from other countries. Typically easier to obtain than other opioids such as hydrocodone, oxycodone, etc. According to DEA, it is likely that other synthetic opioids will be utilized in counterfeit prescription pills if fentanyls become inaccessible







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