

The Other Opioid Crisis: Fer	entanvi and He	eroin
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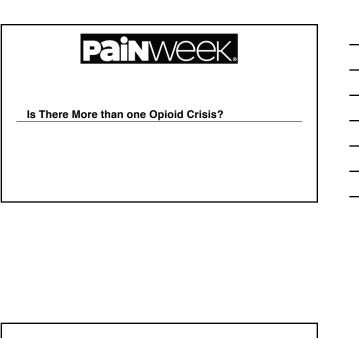
Kevin L. Zacharoff, MD, FACIP, FACPE, FAAP

Nothing to disclose		

## **Learning Objectives**

- ■Describe the opioid overdose crisis in the United States today
- ■Discuss common beliefs and inconsistencies about the role of prescription opioids in the opioid crisis
- •Identify the intersection of illicit drug use and clinical pain practice in today's "opioid epidemic"
- ■Provide clinically relevant recommendations for navigating the current landscape without depriving pain care to patients in need

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## The Facts

- People are dying...
  People are angry and reacting
- ■People are scared
- Overdoses from drugs (ALL drugs, legally prescribed or not) including opioids, hallucinogens, cocaine, etc.
  - -~ 72,000 deaths nationwide in 2017
  - 12% from 2016
     More than 42,000 (66%) involved some type of opioid
  - \*\*\*\*Now there are questions about accuracy regarding CDC data and opioid analgesics\*\*\*\*



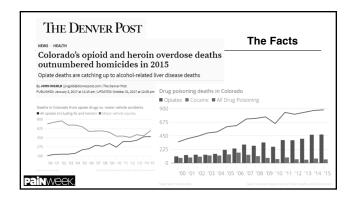
PainWeek There is More Than One Opioid Crisis. To better tackle the Published Jan. 17, 2018, https://livethitrjeight.com/feature

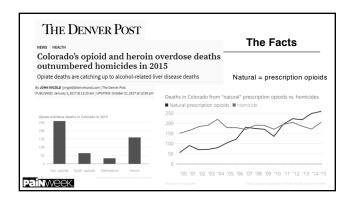
### The Facts

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- Drug(s) Responsible May be Unknown
   Overdose is usually about RESPIRATORY
   DEPRESSION
- Sometimes causes are not reported
  - May depend on the state
     Trends can be difficult to identify
- ■This may lead to a lack of focus

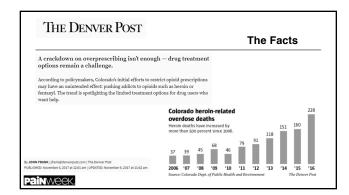
# The Facts: Kentucky as an Example The most common drugs found in Kentucky's overdose victims

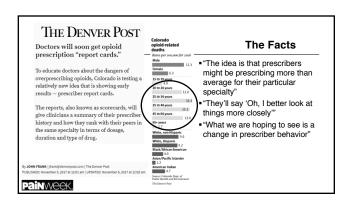


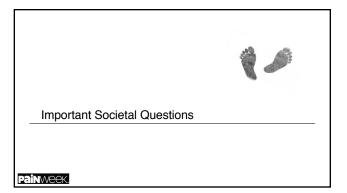




# THE DENVER POST The Facts "The state tracks opioid prescriptions, but doctors aren't required to check the database" "The vast majority of states require clinicians to check the Prescription Drug Monitoring Program (PDMP) database before writing most opioid prescriptions" 15.24 Benzollazepine related 14.55 Performed January (Post in Survey Post Public Health and Prescriptions of Public Health and Public Health and Prescriptions of Public Health and Public Heal







## Is the Current Climate Living up to Promises Made in the Past?

Does the chronic pain patient still have rights?

Is this a problem about chronic pain patients abusing prescription pain medications?

# Bill of Rights for People with Chronic Pain

The right to have your report of pain taken seriously and to be treated with dignity and respect by doctors, nurses, pharmacists and other healthcare professionals.

The right to participate actively in decisions about how to manage your pain.

The right to have your pain re-assessed regularly and your treatment adjusted if your pain has not been eased.

The right to get clear and prompt answers to your questions, take time to make decisions, and refuse a particular type of treatment if you choose.

# THE DENVER POST

Chronic pain patients say they are hurt by Colorado's opioid prescription guidelines sing to prescribe op



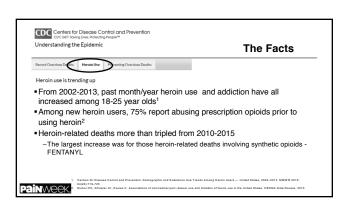
ow, across Colorado and the rest of the stion, these policies intended to addresse doined abuse have unsepectedly harmed stients who depend on the drugs to treat cornic conditions, pain specialists and stient advocates say. The policies are uposed to offer guidance — helpful ivice to doctors to be cautious in secribing more than a certain amount of sociols to any one patient.

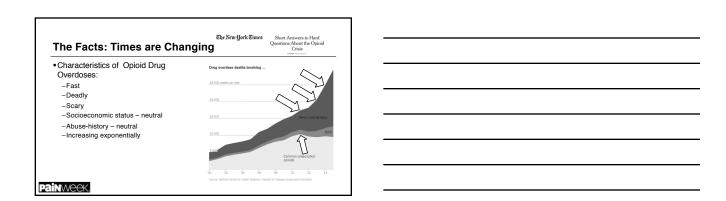
The Clinical Implications

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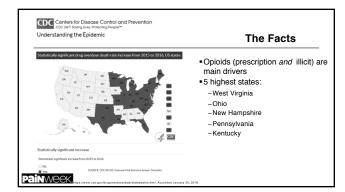
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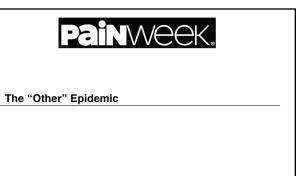
erstanding the Epidemic	The Facts		
d Overdose Deaths Heroin Use Preventing Overdose Deaths			
Orug overdose deaths in the United States continue to increase in 201	5		
<ul> <li>The majority of drug overdose deaths involve a</li> <li>Since 1999 the # of overdose deaths quadrupl</li> </ul>			
-Prescription opioids			
<ul> <li>Heroin</li> <li>108 Americans die every day from an opioid ov</li> </ul>	verdose		
		-	
Rudd RA, Seth P, David F, Scholl L, Increases in Drug and Oploid-Involved Overdose     16 December 2016. DOI: http://dis.doi.org/10.1555/jimwv.me5550514     2. DOC. Web-rassigns entended afto for spidemiologic research (WONDER). Matens, CA:			



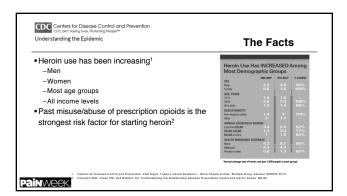


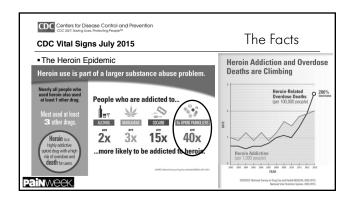
Content for Disease Control and Prevention CDC 247: Saving Lives, Protecting People <sup>10s</sup> Understanding the Epidemic	The Clinical Implications
Record Overdose Deaths Heroin Use Preventing Overdose Deaths	
Improved opioid prescribing	
Expanded access to substance abuse tr	eatment
■ Naloxone	
■ Prescription Drug Monitoring Programs (	(PDMPs)
State-level strategies to prevent high risk	c prescribing and opioid overdoses
• Improved detection of illegal opioid use I	by law enforcement
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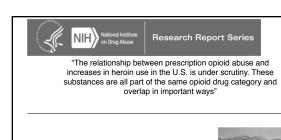




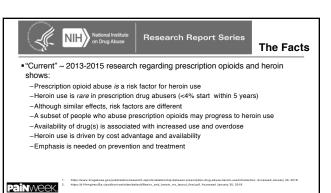
# Heroin - Highly addictive - It is an opioid - Made from morphine - --3 times more potent - A natural substance - Extracted from the opium poppy plant - Asia - Mexico - Colombia

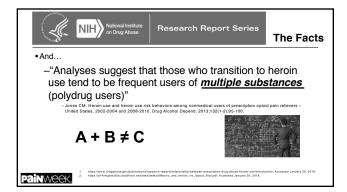


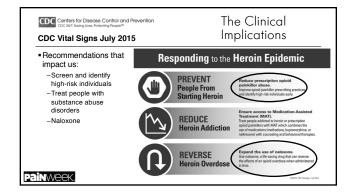


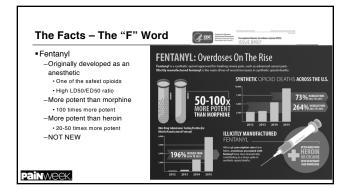


https://www.drugabuse.gov/publications/research-reports/relationship-between-prescription-drug-abuse-beroin-use/introduction. Accessed January 10

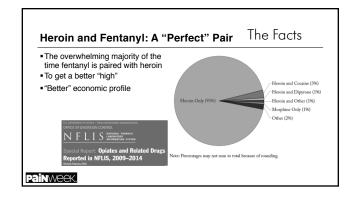


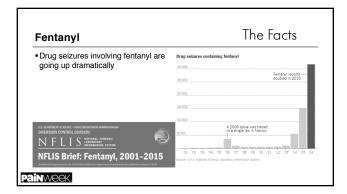


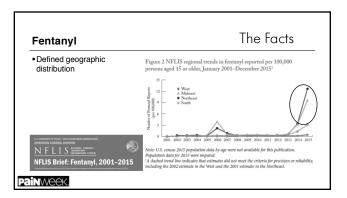




# •42 year-old Hispanic male -Addicted to heroin -Comes to the same street corner every day to buy heroin •First dose usually free -He's actually buying heroin laced with fentanyl -"It's a new epidemic" he says -"If you catch a bag of pure fentanyl, that Narcan ain't bringing you back" -"I just watched my friend die from fentanyl"







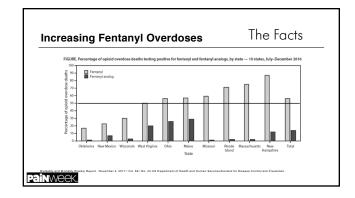
# The Facts Fentanyl can be manufactured anywhere The Chinese Connection Fueling America's Fentanyl Crisis -Synthetic N-Phenethyl-4-piperidinone is NPP -Intermediate precursor to fentanyl ■It is cheap ■ It is not going anywhere **Pain**Week

# Terminology

# The Facts

- A very small amount of fentanyl is potentially fatal
- This applies to licit or illicit fentanyl
- -Illicitly manufactured fentanyl is likely no more dangerous than legally manufactured fentanyl
- -entanyi ladoe:
  -FENTANYI CITRATE SHOULD BE ADMINISTERED ONLY BY PERSONS
  -SPECIFICALLY TRAINED IN THE USE OF INTRAVENOUS ANESTHETICS AND
  MANAGEMENT OF THE RESPIRATORY EFFECTS OF POTENT OPIOIDS
  -AN OPIOID ANTAGONIST, RESUSCITATIVE AND INTUBATION EQUIPMENT AND
  OXYGEN SHOULD BE READILY AVAILABLE
- -Fentanyl may cause muscle rigidity, particularly involving the muscles of respiration
- -DIMINISHED SENSITIVITY TO CO2 STIMULATION MAY PERSIST LONGER THAN DEPRESSION OF RESPIRATORY RATE

# The Implications **A Fentanyl Crisis** In 24 of the nation's largest cities fatal fentanyl-related overdoses increased 600% from 2014-2016 The Washington Post



# Different Types of Fentanyl and Presentations Different formulations and varying potencies: -Fentanyl -Analogs -Acetyl Fentanyl Octentanil Carfentanyl -Remitentanyl -Mientanyl -Sudentanyl -Furanyllentanyl Presentations -Powder -Counterfeit pills

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# Carfentanyl Synthetic Large animal anesthetic 100 times more potent than fentanyl 10,000 times more potent than morphine Airborne/skin exposure often fatal -2012 Moscow Theater Hostage Crisis The Washington post Stephant tranquilizer is the latest lethal addition to the heroin epidemic Washington post Elephant tranquilizer is the latest lethal addition to the heroin epidemic Washington post Elephant tranquilizer is the latest lethal addition to the heroin epidemic Washington post Elephant tranquilizer is the latest lethal addition to the heroin epidemic Painweek

## The Facts

- Fentanyl in the wrong hands is deadly
   Potentially contributing significantly to overdose/fatal overdose risk
- Analogs not often tested for in routine toxicology testing
- Naloxone is a *bridge* to survival but not a final solution
- -Re-narcotization from fentanyl is common
- -Blunting of CO<sub>2</sub> response will persist -Diminished hypoxic drive may persist

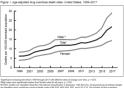


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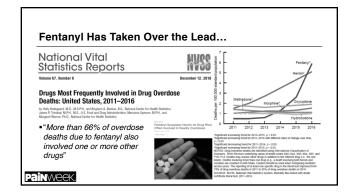
# New CDC Data for 2017 Painweek.

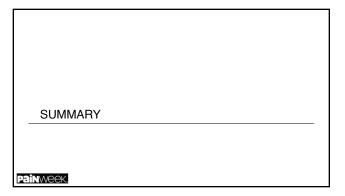
## New CDC Data for 2017

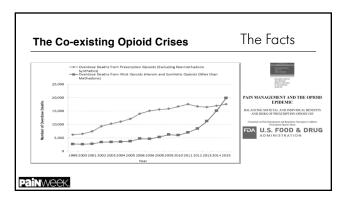
■ The age-adjusted rate of drug overdose deaths involving synthetic opioids ther than methadone (drugs such as fentanyl, fentanyl analogs, and tramadol) increased by 45% between 2016 and 2017, from 6.2 to 9.0 per 100,000



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- Significant controversy exists to the relationship between prescription opioids and the heroin/fentanyl epidemic
  - -Tracking back to prescribers

  - The 1990s when opioid prescribing increased

    Pain being designated as the "fifth vital sign" in 2000

    Pain Bill of Rights

    Evolution of "pill mills"

  - -Related to cost and availability
  - Heroin and fentanyl are cheaper and stronger



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### Case 2

- ■26 year-old white female
- -Has 2 children ages 4 & 7 who live with their godmother
- -Became addicted to opioids after being prescribed oxycodone post C-Section
- -Addiction to oxycodone transitioned to heroin
- -Addiction to heroin transitioned to heroin/fentanyl
- "If there's no fentanyl in it, I don't want it at all"
- -Tried 14-day rehab without success
- "This is all I know anymore...It's all I know"



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Who and What is Our Responsibility?

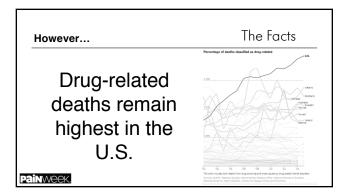
We Are Involved Like it or Not

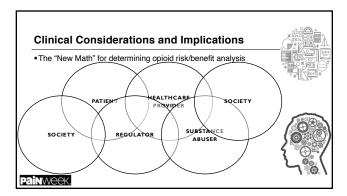
## Does the United States Own The Problem??

- ■We are not alone
- ullet This is a global issue
- In 2015, approximately ¼ billion people abused/misused drugs
  - ~ 29.5 million (0.6% of global adult population) engaged in problematic use/suffered from substance use disorder
- 70% of the global burden of disease caused by drug use disorders attributable to opioid use



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Final Thoughts
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- We must consider the parallel "opioid" crises that exist today

  -Our role in these problems
- Heroin and fentanyl are not going anywhere
- Remember the "New Math"
- Naloxone is likely something to keep top of mind
- Avoidance of "risky" situations is critical
- Strongly consider and document appropriate candidates for fentanyl-based therapies
- Everyone is looking at us as an integral part of solving the "other" opioid crisis
- Everyone is looking to us to be a part of the solution to both crises

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# **Final Thoughts**

But... Let's not make patients "pay" for the other crisis







"Cure sometimes, treat often, comfort always."
— Hippocrates

Questions?	
<b>Pain</b> week	