

The Other Opioid Crisis: Heroin and Fentanyl

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Disclosures

■ Nothing to Disclose

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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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Is There More than one Opioid Crisis?

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The Facts



The Facts: No Lack of Media Attention

MEDIA

OPIOID

OPIOID

EPIDEMIC

MEDIA

HEROIN

EPIDEMIC

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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
 - *****Some question accuracy regarding CDC overdose data and prescribed opioid analgesics****



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

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The Facts

- 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

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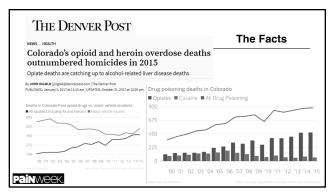
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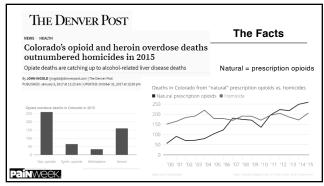
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The Facts: Kentucky as an Example The most common drugs found in Kentucky's overdose victims Based on an analysis of 1,471 drug overdose deaths in 2016

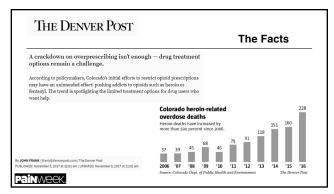
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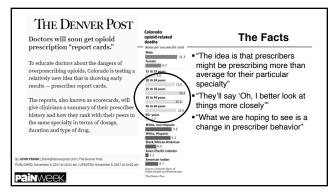
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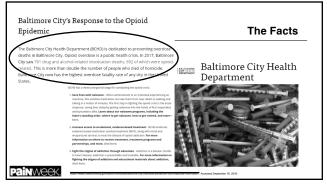




THE DENVER POST	The Facts
"The state tracks opioid prescriptions, but doctors aren't required to check the database" "The vast majority of states require clinicians to check the Prescription Drug Monitoring Program (PDMP) database before writing most opioid prescriptions"	Colorado drug-related hospitalization Rates per recognosion sous Prescription-opiold related 15.24 Benzodiazepine related 14.58 Heromandated 2.98 Cocaine related 2.12 Source Colorado Deut. of Public Health
y JOHN FRANK frank@denverpost.com The Denver Post UBLISHED: November 5, 2017 at 12:03 am UPDATED: November 6, 2017 at 11:02 am	and Environment The Denver Post
Painweek.	A 100 A 101 F A 100 E









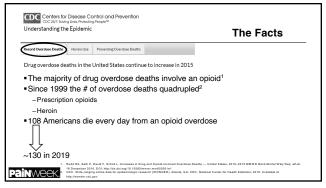
Important Societal Questions

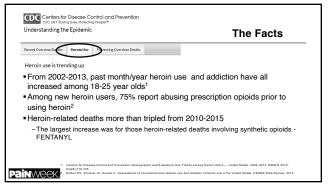
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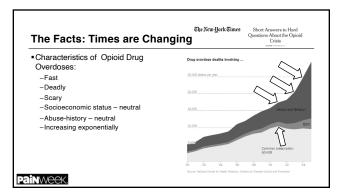


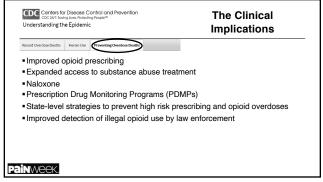
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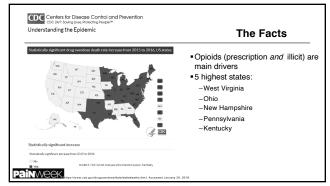
THE DENVER POST Stress MALTIN Chronic pain patients say they are hurt by Colorado's opioid prescription guidelines Some Colorado do doctors are refusing to prescribe opioids to chronic pain sufferers Now, across Colorado and the rest of the nation, these policies intended to address opioid abuse have unespected by harmed patients who depend on the drugs to treat chronic conditions, pain specialists and patient advocates say. The policies are supposed to offer guidance—helpful advice to doctors to be cautions in prescribing more than a certain amount of opioids to any one patient. Officials at the Colorado Department of Regulatory Agencies are looking at revising the guidance of the guidanc

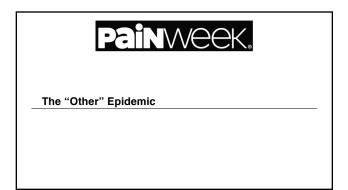


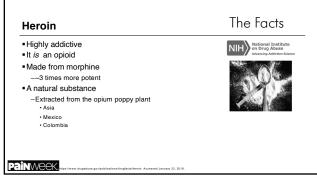


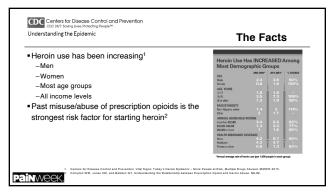


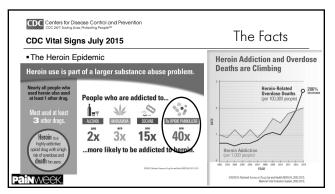


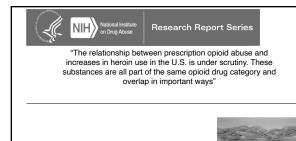


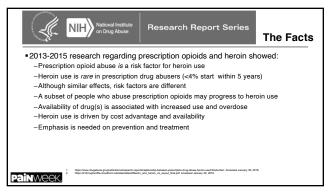


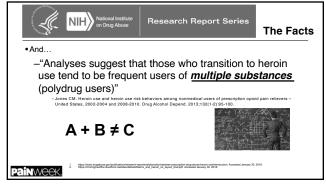


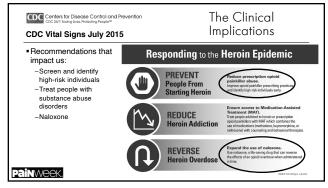


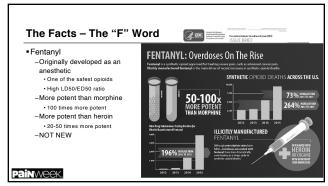


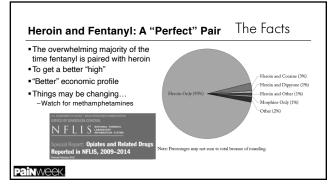




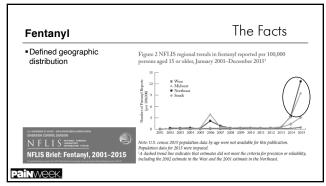








Fentanyl	The Facts
Drug seizures involving fentanyl	Drug seizures containing fentanyl
increased dramatically between	30,000
2000-2016	Fentary/ reports — 25,000 doubled in 2016
	20,000
	15,000
	10,000
U.S. DEPARTMENT OF JUSTICE - DRUG ENCREEMENT ADMINISTRATION DIVERSION CONTROL DIVISION	A 2006 spike was traced to a single lab in Mexico
N F L I S HADDANAL FORENSIC LANGUAGE TO STATEM	
	01 02 03 04 05 06 07 08 09 10 11 12 13 14 15
NFLIS Brief: Fentanyl, 2001–2015	Source: D.E.A. National Forensic Laboratory Information System



			The Facts
WORLD ASIA CHINANEWS The Chinese Conn Fentanyl Crisis	Ü		■Fentanyl can be manufactured anywhere
A vast network beginning in China Mexico and Canada By JEANNE WHALEN and BRIAN SPEGEI Updated June 23, 2016 1:44 a.m. ET		often purchase the key ingredient	SyntheticN-Phenethyl-4-piperidinone is NPP
	The key ingredient is NPP, 25 grams of which can be bought from China for about \$87°		 Intermediate precursor to fentanyl
	\mathcal{L}	NPP can be combined with about \$720 of other	It is cheap
		chemicals' to produce fentanyl.	It is not going anywhere
	The resulting 25 grants by fentanyl cost about \$810 to produce.	\$800,000 of pills on the black	
Painweek.		Offices from U.S. suppliers FOR THE WALL STREET JOURNAL.	

Terminology

The Facts

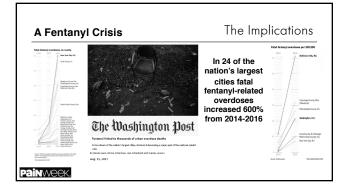
- A very small amount of fentanyl is potentially fatal
 This applies to licit or illicit fentanyl
- Illicitly manufactured fentanyl is likely no more dangerous than legally manufactured fentanyl
- Fentanyl label:



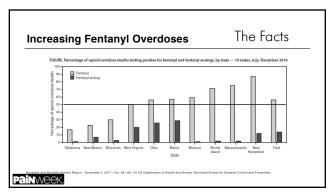
- FENTANYL CITRATE SHOULD BE ADMINISTERED ONLY BY PERSONS

 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

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Different Types of Fentanyl and Presentations

- Different formulations and varying potencies:
- Presentations
- -Powder -Counterfeit pills



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The Facts Carfentanyl ■ Synthetic Large animal anesthetic The Washington Post ■ 100 times more potent than fentanyl ■10,000 times more potent than morphine Airborne/skin exposure often fatal -2012 Moscow Theater Hostage Crisis

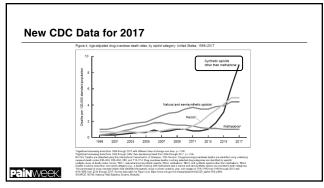
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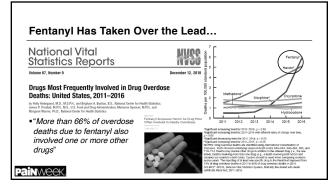
The Facts

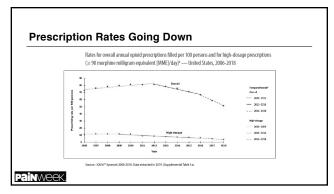
- Fentanyl in the wrong hands is deadly
- Potentially contributing significantly to overdose/fatal overdose risk
- Analogs not often tested for in routine toxicology testing
- Naloxone is a <u>bridge</u> to survival but not a final solution
- -Re-narcotization from fentanyl is common
- -Blunting of CO₂ response *will persist*-Diminished hypoxic drive may persist

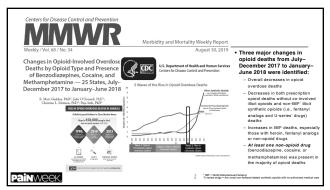


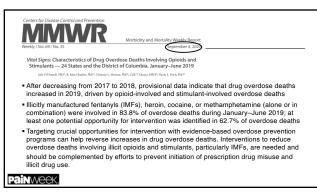


The age-adjusted rate of drug overdose deaths involving synthetic opioids other than methadone (drugs such as fentanyl, fentanyl analogs, and tramadol) increased by 45% between 2016 and 2017, from 6.2 to 9.0 per 100,000 Rate in 2018 decreased to 67,367 **The age-adjusted fluid overland fluid in 180-2018 **The age-adjusted fluid in 180-2018



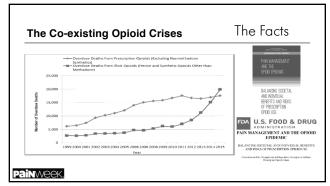






SUMMARY

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We didn't Start the Fire...Or did We?

- 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 "5" vital sign" in 2000

 Pain Bill of Rights
- Evolution of "pill mills"

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





Who and What is Our Responsibility?

We Are Involved Like it or Not

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Does the United States Own The Problem??

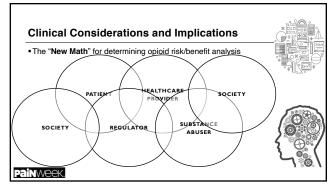
- ■We are not alone
- ■This is a global issue
- In 2015, approximately ¼ billion people abused/misused drugs
 ~ 29.5 million (0.6% of global adult population) engaged in problematic use/suffered from substance use disorder
- ■70% of the global burden of disease caused by drug use disorders attributable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



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The Facts However... Drug-related deaths remain highest in the U.S.



Final Thoughts

- We must consider the parallel "opioid" crises that exist today
- 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
- DO NOT CO-PRESCRIBE OPIOIDS and BENZODIAZEPINES
- 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





 Questions?	
 Questions?	