Pa	7	١٨		/
		IV V		

Pain Management at Ground Zero

Mark Garofoli, PharmD, MBA, BCGP, CPE

Faculty

- Mark Garofoli, PharmD, MBA, BCGP, CPE
- Experiential Learning Director & Clinical Assistant Professor, WVU School of Pharmacy
- Clinical Pain Management Pharmacist, WVU Medicine Integrative Pain Center
- Coordinator, WV Pain Management Expert Panel (SEMP Guidelines)
- WV PDMP Advisory Panel Member
- CDC Grant Reviewer

Painweek.

Disclosures

■ Consultant/Independent Contractor: Daiichi Sankyo, Clinical Pharmacists Advisory Panel, Member

This presentation was not a part of the presenter's official duties at the WVU and does not represent the opinion of WVU

Learning Objectives

- Discuss the 2016 CDC Chronic Pain Opioid Guidelines directly into clinical practice.
- Describe the best practices within pain management with particular attention to risk reduction strategies.
- Recall multi-modal pain management treatment plan options.

Painweek.

US Opioid Prescribing & Heroin Distribution

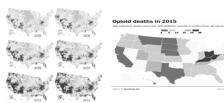




https://www.ods.gov/drugoverdose/maps/rvcounty/2016.html
https://dabrownstein.com/2015/04/27/idemative-metrics-of-americas-divided-ecc

US Drug Overdose Deaths

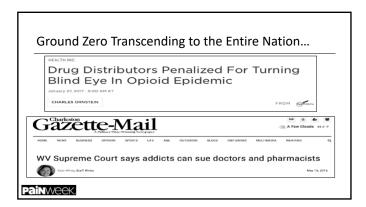






https://www.healthrustnews.com/wp-content/uploads/2016/08/drughttp://www.weal.com/sites-with-the-lighed-drug-reperiose-proble with-the-th-lighed-drug-posterios-with-the-lighed-drug-reperiose-proble

2



2016 Murder Conviction

Dr. Hsiu-Ying "Lisa" Tseng guilty of second-degree murder (30 years to life)

First time a doctor had been convicted of murder in the United States for overprescribing drugs



Painweek.

http://www.latimes.com/local/lanowlla-me-in-doctor-murder-overdose-drugs-sentencing-20160205-story.ht

63,400 US Drug Overdose Deaths (2016)





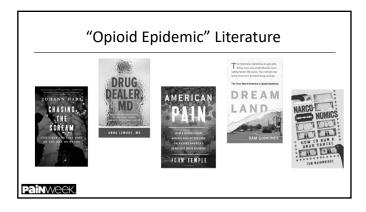


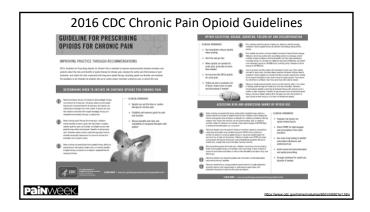


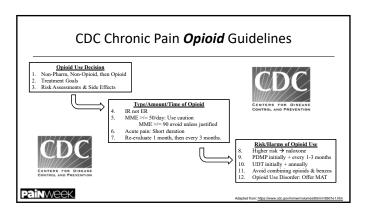
Age-adjusted Drug Overdose Death Rates (per 100K)					
West Virginia	52				
New Hampshire, Ohio, & D.C.	39				
Pennsylvania	38				

Painweek.

Holly H. et al. Drug Overdose Deaths in the United States. 1999–2016. NCHS Data Brief No. 294. December 201







2016 West Virginia Safe & Effective Management of Pain (SEMP) Guidelines





Painweek.

West Virginia Expert Pain Management Panel

Panel Member	Organization/Title		
Mark Garofoli, PharmD, MBA, BCGP, CPE (Coordinator)	Pharmacist		
Timothy Deer, MD (Chairperson)	Medical Doctor		
Richard Vaglienti, MD (Vice Chairperson)	Medical Doctor		
Ahmet Ozturk, MD	Medical Doctor		
Denzil Hawkinberry, MD	Medical Doctor		
Bradley Hall, MD	Medical Doctor		
Matt Cupp, MD	Medical Doctor		
Rahul Gupta, MD	Medical Doctor (Public Health)		
Michael Mills, DO	Osteopathic Doctor		
Jimmy Adams, DO	Osteopathic Doctor		
Richard Gross, PhD	Psychologist		
Jason Roush, DDS	Dentist		
Stacey Wyatt, RN	Registered Nurse		
Vicki Cunningham, RPh	Pharmacist (Insurance)		
Felice Joseph, RPh	Pharmacist (Insurance)		
Stephen Small, RPh, MS	Pharmacist		
Patty Johnston, RPh	Pharmacist		
Charles Ponte, PharmD, CPE	Pharmacist		
James Jeffries, MS	Health & Human Resources		
Michael Goff	Retired State Policeman & PDMP Administrator		

Painweek.

2016 West Virginia Safe & Effective Management of Pain (**SEMP**) Guidelines

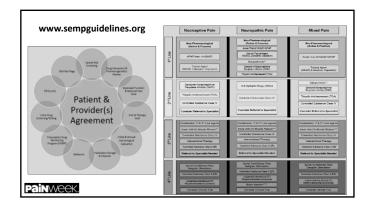


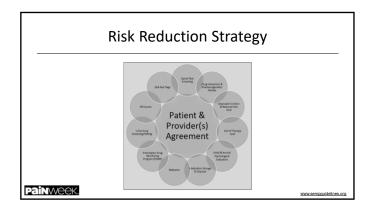
WVSIPP

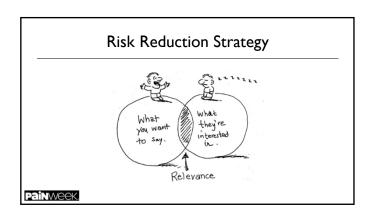




PainWeek. www.sempguidelines.org







Patient & Provider Agreement Item	S
Function & Time Goals Function, Pain, Risk, & Psychological Assessments Adverse effects of opioids Higher MMEs and/or Other Sedatives PDMP Urine Drug Screening/Testing Naloxone Education/Supply Storage & Disposal Risks to others if shared Co-Manager if needed	www.sempguidelines.org.

Pain Reduction & Function Improvement Goal

Pain = 5th Vital Sign ???

Analgesic ???

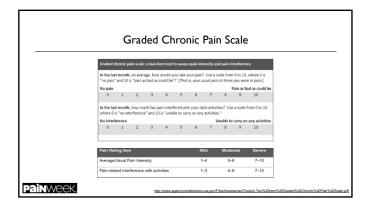
The goal is NOT necessarily to eliminate pain

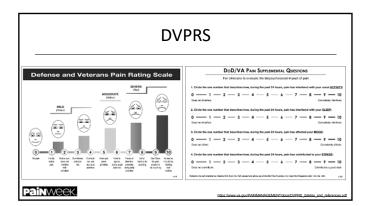
> The goal is to Improve Function & Reduce Pain

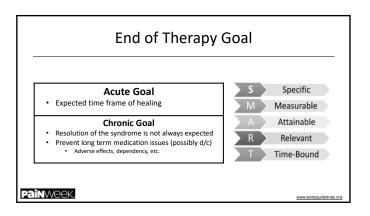
Painweek.

www.sempguidelines.c

PEG Pate forestella Fed 1. What number heat describes your gold not secting in the part week. \$\times 1 = 2 = 3 \times 5 = 7 = 8 = 30 \times on that as to the part week with your extensions and describes how, during the part week, which has interfued with your extensions and describes how, during the part week, which has interfued with your extensions and describes how, during the part week, your has interfued with your extensions. 1. What numbers heat describes how, during the part week, you has interfued with provided the part of the p







Proper Medication Storage

Bathroom Medicine Cabinets → NO

- Humidity
- Unsecure
- Typically accessed at "groggy" times of day (AM/PM)

n Asia



Lockable Safe Boxes → YES

- Away from children and pets
- Secure
- Still must incorporate into daily routine





Painweek.

www.sempguidelines.or

Proper Medication Disposal **EPA**

2ND CHOICE: HOUSEHOLD DISPOSAL STEPS*

1st Choice





Painweek.

https://www.epa.gov/sites/production/files/2015-05/documents/how-to-dispose-medicines.p

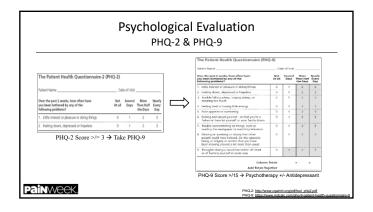
Proper Medication Disposa FDA

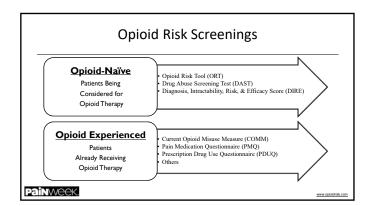
- 1. DEA Sponsored Take-Back Programs (Same as $\it EPA$)
- 2. Household Trash (Same as EPA)
- 3. DEA Authorized Collector
 - Pharmacies can Register
 - https://apps.deadiversion.usdoj.gov/webforms2/spring/disposalLogin?execution=e2s1
- 4. Flushing a list of ~40 CIIs
 - Drugs enter water systems through human excretion
 - No sign of environmental damage from flushing drugs yet

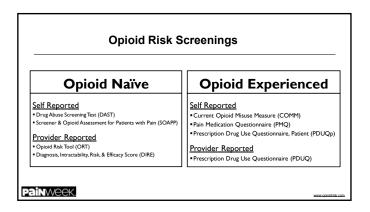


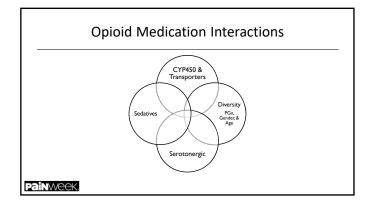
https://www.fda.gov/ForConsumers/ConsumerUpdates/ucm101653.htm#steps

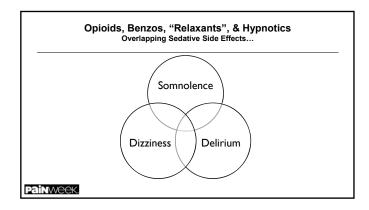
ıl		
0 0 0		
with an Place in a Throw into Scratch out personal stance. container, tresh.		
stance. container: trash. information.		







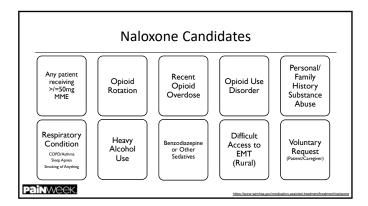


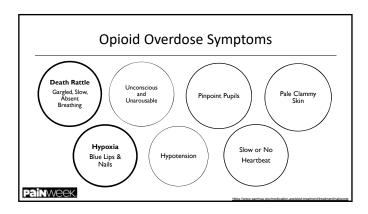


Opioid-Sedative Interactions "Name Game"

Drug-Drug Interaction	Proposed Name
Opioid + Benzodiazepine Sedative	"Bozo"
Opioid + "Muscle Relaxant" Sedative	"Relaxoid"
Opioid + Sedative Hypnotic	"Hypoid"
Opioid + One Other Sedative	"Deadly Duo"
Opioid + Two Other Sedatives	"Unholy Trinity"
Opioid + Three Other Sedatives	"Quattro Killer"
Benzodiazepine & Sedative Hypnotic	"Hypzo"
Benzodiazepine & "Muscle Relaxant" Sedative	"Relaxzo"

	INC	aloxone Pro	aucts	
Product	Generic Injectable	Generic Intranasal	Narcan® Nasal Spray	Evzio® Auto-Injector
Dose 0.4mg IM		Img in each nostril	4mg in one nostril	0.4mg/2mg IM/SQ
Dosing Inject ImL in shoulder/thigh, may repeat in 2-3min Use 3mL 23G syringe &1" needle		Spray ImL (half of syringe) in each nostril with atomizer, may repeat in 2-3 min	Spray 0.1 mL into one nostril; may repeat in 2-3 min with 2 nd device in alternate nostril	Press black side firmly onto outer thigh through clothing, hold 5 seconds, may repeat in 2-3 min
Availability	0.4mg/mL 4mg/10mL	2mL prefilled Luer-Jet syringe + Atomizer (Item # MAD-301)	0.4mg/0.1mL	0.4mg/0.4mL 2mg/0.4mL
Manufacturer	Pfizer, West-Ward, & Mylan	IMS/Amphastar	Adapt	Kaleo
Cost \$		\$\$	\$\$	\$\$\$\$\$
00409-1215-01 00409-1219-01 67457-0292-01 00641-6132-25		76329-3369-01	69547-0353-02	60842-0030-01 60842-0051-01
Picture	tt			





Naloxone Administration

SAMHSA Guidelines

- I. Check for signs of opioid overdose
- 2. Call EMS to access immediate medical attention*
- 3. Administer naloxone (rescue position) *
- 4. Rescue breathe if patient not breathing*
- Stay with the person and monitor their response until emergency medical assistance arrives.
 After 2-5 minutes, repeat the naloxone dose if person is not awakening or breathing well enough
 (10 or more breaths per minute)

 ${}^*\mathsf{Order}$ depending on the source of guidance



https://www.samhsa.gov/medication-assisted-treatment/reatment/naio

Pill Counts

- Randomized or Scheduled
- Goals
- Improve proper medication adherence
- Prevent and/or detect medication diversion
- \blacksquare Recommend not to have support staff perform
- Use a counting tray
- ≻Realize Pills can be rented/borrowed (online/street)



Painweek.

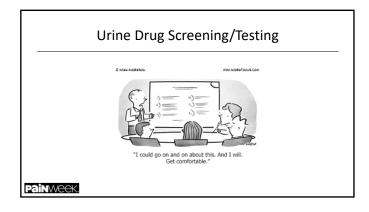
Viscomi CM, et al. Pill counts and pill rental: unintended entrepreneurial opportunities. The Clinical Journal of Pain. 29(7):823-624, JUL 20

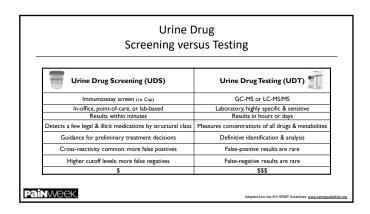
Urine Drug Screening/Testing

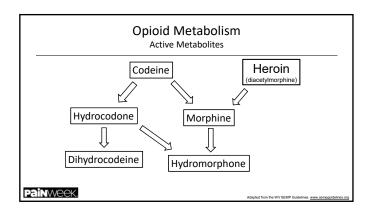
- Randomized or Scheduled
- Goals
- Improve proper medication adherence
- Prevent and/or detect medication diversion
- \blacksquare Witnessed or private
- $ightharpoonup \ensuremath{\mathsf{Realize}}$ Urine can be purchased online or shared
- www.thewhizzinator.com

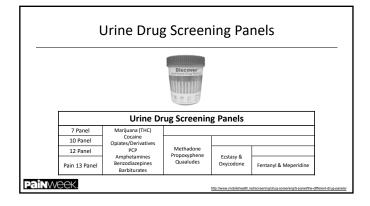












Urine Drug Screening Cross-Reactants Chemical Cross-Reactant Cannabinoids NSAIDs, dronabinol, promethazine. & pantoprazole Opioids poppy seeds, chlorpromazine, rifampin, dextromethorphan, quinolones, diphenipdramine, & quinine Amphetamines methylphenidate, trazodone, bupropino, amantadine, propranoid, labetalol, raididine, & menthol PCP ibuprofen, tramadol, chlorpromazine, venlafaxine, thioridazine, meperidine, dextromethorphan, diphenipdramine, & doxylamine Benzodiazepines oxaprozin, sertraline, & some herbals Alcohol asotma inhalers Methadone quetiapine

Urine Drug Scr	reening/Testing
Discover's Makehard Drug Tot Ca	Service of Shaller Direct Order Direct Ord
Conversation Starters	Conversation Leaders



	C4-4-	PDMP	PDMP	C4-4-	PDMP	PDMP
51	State	Legislation	Operational	State	Legislation	Operational
Cal	alifornia	1939	1939	North Carolina	2005	2007
н	Hawaii	1943	1943	Connecticut	2006	2008
- 1	Idaho	1967	1967	Arizona	2007	2008
	Illinois	1961	1968	Louisiana	2006	2008
Ne	lew York	1972	1973	South Carolina	2006	2008
Penn	nnsylvania	1972	1973	Vermont	2006	2009
Rhod	ode Island	1978	1979	lowa	2006	2009
T	Texas	1981	1982	Minnesota	2007	2010
Mi	Michigan	1988	1989	New Jersey	2008	2011
Okl	klahoma	1990	1991	Alaska	2008	2011
Mass:	sachusetts	1992	1994	Oregon	2009	2011
West	st Virginia	1995	1995	Washington	2007	2011
	Utah	1995	1996	Kansas	2008	2011
Ni	Nevada	1995	1997	South Dakota	2010	2011
In	Indiana	1997	1998	Florida	2009	2011
Kei	entucky	1998	1999	Nebraska	2011	2011
Vi	Virginia	2002	2003	Delaware	2010	2012
N	Maine	2003	2004	Montana	2011	2012
Wy	Vyoming	2004	2004	Guam	1998	2013
New	w Mexico	2004	2005	Wisconsin	2010	2013
Mis	ississippi	2005	2005	Arkansas	2011	2013
- (Ohio	2005	2006	Georgia	2011	2013
Alz	Vabama	2004	2006	Maryland	2011	2013
Ten	nnessee	2003	2006	New Hampshire	2012	2014
Co'	olorado	2005	2007	District of Columbia	2014	2016
Norti	rth Dakota	2005	2007	Missouri	2016	2017
week.						www.pdm

Verifying Identification Cards Magnetic Strip Swipe

• States with Magnetic Stripes

AL, AZ, AR, CA, CO, FL, KS, LA, MI, MN, MS, NH, NM, OH, PA, SC, TX, & VT

- Fast Scanning: 1 second for response
- •~\$500 Device Cost



Painweek.

Verifying Identification Cards Barcode Reader

- Process via smartphones/pads
- Link directly to state ID databases









Painweek.

tps://www.barandclubstats.com/collections/id-scanner tp://www.netocratic.com/scannr-app-infinum-photopay-31-

DEA Red Flags Prescribers

- Cash only patients and/or no acceptance of worker's compensation or insurance
- Prescribing of the same combination of highly-abused drugs
- \bullet Prescribing the same (high) quantities of pain drugs to most/every patient
- High number of prescriptions issued per day
- Out-of-area patient population
- $\textbf{>} \textbf{NABP "Red Flags" Video (\underline{https://nabp.pharmacy/initiatives/awarxe/pharmacist-resources/)}}$





Painweek.

https://nabp.pharmacylintiatives/awarxe/pharmacist-resou

DEA Red Flags Dispensers

- Dispensing a high percentage controlled to non-controlled drugs
- Dispensing high volumes of controlled substances generally
- \bullet Dispensing the same drugs & quantities prescribed by the same prescriber
- Dispensing to out-of area or out-of-state patients
- Dispensing to multiple patients with the same last name or address
- Sequential prescription #s for highly diverted drugs from the same prescriber
- Dispensing for patients of controlled substances from multiple practitioners
- Dispensing for patients seeking early prescription fills

 ${\color{red}\succ} NABP~"Red~Flags"~Video~(\underline{https://nabp.pharmacy/initiatives/awarxe/pharmacist-resources/})$





Painweek.

https://nabp.pharmacylinitiatives/awarxe/pharmacist-resource

When Drug Seeking or Diversion is Suspected

- ➤ Eliminate personal or judgmental biases
- ${\color{red}\succ} {\sf Calm, collected, knowledgeable, and well researched approach}$
 - "Never pick up a phone until you've completed research"
- Conversation with other respective healthcare professionals
 May not even be aware of the use of his/her name
- Conversation with respective patient
 - "There's two sides to every coin"
- "False positives"

??? Responsibility ???



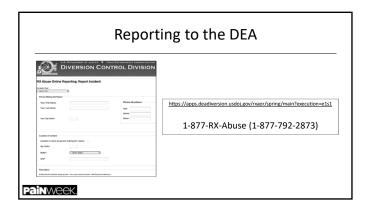
??? Comfort Level ???

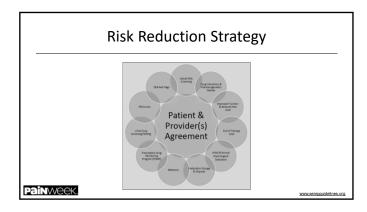
Painweek.

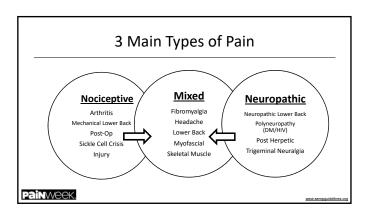
Once Drug Seeking or Diversion is Confirmed

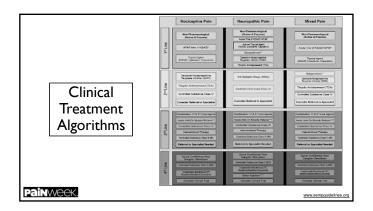
- Refer to a substance-use disorder (addiction) specialist/program
- Contact law enforcement if concern for the safety of the patient or others exists
- Treatment can continue with alternative therapies (e.g. non-controlled substances)
- \bullet Reference the patient and provider agreement/contract
 - Avoid patient abandonment concerns (e.g. provide 30 days of additional treatment)
- Respect all involved while complying with federal and state laws

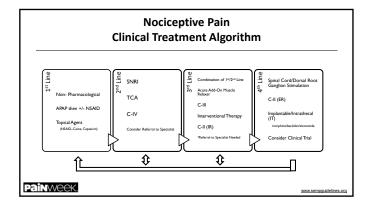


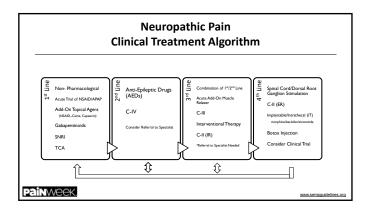


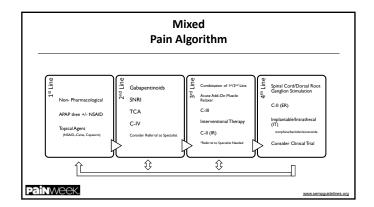


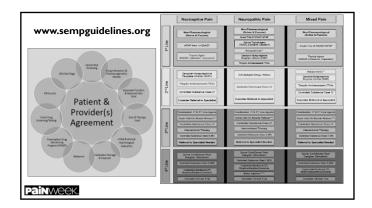














Pain Management Bes	t Practices
---------------------	-------------

People $\underline{\text{Respect}}$ What You $\underline{\text{Inspect}}$, Not What You Expect

An Ounce of <u>Prevention</u>, is Worth a Pound of Treatment



Never Stop <u>Learning</u>

Hippocratic Oath: Do No Harm



Painweek.

Audience Question #1

After reading headline after headline regarding our nation's opioid crisis, Dr. Payne has decided to begin to mandate patient and provider agreements for all of his patients being prescribed opioid medications. Which of the following would $\frac{NOT}{DE}$ recommended to include in the patient and provider agreement for his office?

- a) Review of the Prescription Drug Monitoring Program (PDMP) $\,$
- b) Random Urine Drug Screening and/or Testing
- c) Mandatory cash payments for office visits
- d) Review of the negative effects of utilized medications

Painweek.

Audience Question #1 (ANSWER)

After reading headline after headline regarding our nation's opioid crisis, Dr. Payne has decided to begin to mandate patient and provider agreements for all of his patients being prescribed opioid medications. Which of the following would NOT be recommended to include in the patient and provider agreement for his office?

- a) Review of the Prescription Drug Monitoring Program (PDMP)
- b) Random Urine Drug Screening and/or Testing
- c) MANDATORY CASH PAYMENTS FOR OFFICE VISITS
- d) Review of the negative effects of utilized medications

	7
Audience Question #2	
Ms. Fay Kinet was recently diagnosed with diabetic peripheral neuropathy, a very common form of neuropathic pain. According to the West Virginia Safe & Effective	
Management of Pain (SEMP) Guidelines, which of the following medications would be	
an appropriate first line treatment?	
a) Muscle Relaxant b) TCA or SNRI Antidepressant	
c) Mixed Action Opioid	
d) Botox Injection	
POW	
Painweek.	<u> </u>
	1
Audience Question #2 (ANSWER)	-
Ms. Fay Kinet was recently diagnosed with diabetic peripheral neuropathy, a very	
common form of neuropathic pain. According to the West Virginia Safe & Effective	
Management of Pain (SEMP) Guidelines, which of the following medications would be	
an appropriate first line treatment?	
a) Muscle Relaxant Medication b) TCA OR SNRI ANTIDEPRESSANT	
c) Mixed Action Opioid Medication	
d) Botox Injection	
Painweek.	
	7
Audience Question #3	
While at a loud club on Las Vegas Boulevard (i.e. The Strip), your friend is sitting in a VIP area 20 yards away and looks like he may have had too much to drink since he is	
practically asleep. What you do not know is that he inadvertently added laced Heroin	
to his beverage when he thought he added a sweetener. What symptom could you	
notice form afar that would indicate an opioid (Heroin) overdose?	
a) Slow Heart Rate b) Pin Point Pupils	
c) The Death Rattle	

While at a loud club on Las Vegas Boulevard (i.e. The Strip), your friend is sitting in a VIP area 20 yards away and looks like he may have had too much to drink since he is practically asleep. What you do not know is that he inadvertently added laced Heroin to his beverage when he thought he added a sweetener. What symptom could you notice form afar that would indicate an opioid (Heroin) overdose?

- a) Slow Heart Rate
- b) Pin Point Pupils
- c) The Death Rattle
- d) HYPOXIA

Painweek.

63,400 US Drug Overdose Deaths (2016)



















Painweek.

Holly H, et al. Drug Overdose Deaths in the United States, 1999–2016. NCHS Data Brief No. 294, December 20

Discussion



Mark Garofoli, PharmD, MBA, BCGP, CPE
LinkedIn: Mark Garofoli