

Providers Clinical Support System

# Opioid Risk Assessment, Mitigation, and Management

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### **Educational Objectives**

At the conclusion of this activity participants should be able to:

- Describe universal precautions and their role in opioid therapy
- Review monitoring and documentation strategies for opioid therapy
- Explain the fundamental principles of urine drug testing and interpretation
- List the differential diagnosis for drug misuse
- Describe when naloxone co-prescription should be considered





- 45 year old man with hypertension, heart failure, and tobacco use who has been prescribed high dose opioids for chronic, non-specific testicular pain after a vasectomy 15 years ago and mechanical low back pain. You are seeing him for the first time after his previous PCP retired.
- Current total morphine equivalent dose prescribed is 390mg per day.
- He is also prescribed valium 5mg BID for muscle spasms.
- Prior medical records are sparse.
- Review of the prescription drug monitoring program show several early prescriptions over the last 3 months from his cardiologist who had agreed to prescribe for him while he found a new PCP.
- Patient tells you he has a family history of alcohol use disorder and a personal history of gambling disorder.



### **Universal Precautions in Pain Medicine**

#### Part of an Office Controlled Substance Policy

- Predicting opioid misuse is imprecise
  - Protects all patients
  - Protects the public and community health
- Consistent application of precautions
  - Takes pressure off provider
  - Reduces stigmatization of individual patients
  - Standardizes system of care
- Resonant with expert guidelines
  - American Pain Society/American Academy of Pain Medicine
  - American Society of Interventional Pain Physicians
  - Federation of State Medical Boards
  - Canadian National Pain Centre



### The Opioid Use Continuum





### **Opioid Misuse in Primary Care**

- Likely under recognized
- Published rates of prescription opioid misuse range from **4-26%**<sup>1-4</sup>
- In 2 hr interviews with 801 patients prescribed opioids by primary care physicians<sup>2</sup>
  - 26% purposeful sedation
  - 39% increasing dose w/o prescription
  - 8% obtaining from other physicians
  - 18% use for purposes other than pain
  - 20% drinking alcohol to relieve pain
  - 12% hoarding pain medications





3) Boscarino, et al. Addiction. 2010; 105: 1776-82.





### **Common Universal Precautions**

- Comprehensive pain assessment including opioid risk assessment
- Formulation of pain diagnosis/es
- Opioid prescriptions should be considered a <u>test</u> or <u>trial</u>; continued or discontinued based on assessment and reassessment of risks and benefits
  - Decisions to continue or discontinue opioid therapy should be made regularly (i.e., every 2-3 months)
- Regular face-to-face visits
- Clear documentation



### **Common Universal Precautions**

- Patient Prescriber Agreements (PPA)
  - Informed Consent (goals and risks)
  - Plan of Care
  - Signed by both patient and prescriber
  - Serves as a Patient Counseling Document
  - Efficacy not well established but no evidence of a negative impact on patient outcomes
- **Monitoring** for opioid adherence, opioid use disorder, and diversion
  - Urine drug testing
  - Pill counts
  - Prescription Drug Monitoring Program (PDMP) data



## **PPA Informed Consent**

#### **Realistic Goals**

- Reduce pain, not eliminate
- Increase function (individualized and <u>SMART</u> goals)
  - <u>Specific</u>
  - <u>M</u>easureable
  - <u>Action-oriented</u>
  - <u>R</u>ealistic
  - <u>Time-sensitive</u>

#### **Potential Risks**

- Side effects, physical dependence
- Drug interactions/over-sedation
- Potential for impairment e.g., driving
- Opioid use disorder, overdose
- Pregnancy
  - Significant risk of Neonatal Abstinence Syndrome
- Possible hyperalgesia (increased pain)
- Victimization by others seeking opioids



### **PPA Plan of Care**

See also <u>ACP Quality Connect: Chronic Pain Controlled</u> <u>Substance Agreements Video</u> by Gregory A. Hood, MD, FACP

- Engagement in other recommended treatments
- Polices monitoring, refills
- Permission to communicate with key others
- No illegal drug use, avoid sedative use
- Notifying provider of all other medications and drugs
- Discuss birth control, periodic monitoring for pregnancy
- Use as directed (dose, no adulteration of pills or patches, schedule, guidance on missed doses)
- Safe storage (away from family, visitors, pets)
- Safe disposal (read product specific information for guidance)
- No diversion, sharing or selling, protect from theft



# **Discussing Monitoring**

- Review the personal and public health (community health) risks of opioid medications
- Discuss your responsibility to look for early signs of harm
- Discuss agreements, pill counts, drug tests, prescription drug monitoring as ways that you are helping to protect patient from getting harmed by medications
  - ACE Inhibitor renal functional analogy
- Use consistent approach, but set *level* of monitoring to match risk of opioid use disorder



### Implementing Universal Precautions in Pain Medicine

# Use a Health-Oriented, Risk Benefit Framework **NOT...**

- Is the patient good or bad?
- Does the patient deserve opioids?
- Should this patient be punished or rewarded?
- Should I trust the patient?

#### RATHER...

Do the benefits of opioid treatment outweigh the untoward effects and risks for this patient (or society)?

### Judge the opioid treatment NOT the patient



### UNIVERSAL PRECAUTIONS IN PRACTICE



# How do you determine level of monitoring?

# High Risk: more frequent monitoring

# **Medium Risk**

Low Risk: less frequent monitoring



# **Opioid Misuse Risk Stratification**

#### How should it be used?

#### **Discuss level of concern with patient**

 "Despite being in recovery from alcohol use disorder, you are at higher risk for developing problems with the opioid pain medication."

#### Level of monitoring that should be implemented

- Frequency of visits, urine drug testing, etc.
- High risk patients may need to agree to random call-backs

#### Need for pain and/or addiction consultant

If available

#### Some patients may be too risky for opioids analgesics

• e.g., patient with recent opioid use disorder



### **Opioid Misuse Risk Screening Tools**

- **SOAPP**: Screener & Opioid Assessment for Patients w/ Pain
- **ORT**: Opioid Risk Tool
- **STAR**: Screening Tool for Addiction Risk
- SISAP: Screening Instrument for Substance Abuse Potential
- **PDUQ**: Prescription Drug Use Questionnaire
- No "gold standard"
- Lack rigorous testing

Webster et al. Pain Med. 2005 Butler et al. J Pain. 2008; Adams et al. J Pain Symptom Manage, 2004



### **Opioid Risk Tool (ORT)**

		Female	Male
Fam	ily history of substance abuse		
	Alcohol	<b>1</b>	□3
	Illegal drugs	2	□3
	Prescription drugs	4	4
Personal history of substance abuse			
	Alcohol	3	□3
	Illegal drugs	4	□4
	Prescription drugs	⊒5	□5
Age between 16-45 years		<b>D</b> 1	<b>□</b> 1
History of preadolescent sexual abuse		□3	<b>D</b> 0
Psychological disease			
	ADHD, OCD, bipolar, schizophrenia	2	2
	Depression	<b>1</b>	<b>D</b> 1

Scoring 0-3: low risk 4-7: mod risk >8: high risk

Webster LR, Webster RM. Pain Medicine, 2006

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### CASE: Opioid Risk Tool (ORT)

		Female	Male
Family history of substance abuse			
	Alcohol	<b>1</b>	<b>X</b> 3
	Illegal drugs	2	□3
	Prescription drugs	4	□4
Personal history of substance abuse			
	Alcohol	□3	□3
	Illegal drugs	4	□4
	Prescription drugs	⊒5	<b>D</b> 5
Age between 16-45 years		<b>Q</b> 1	<b>X</b> 1
History of preadolescent sexual abuse		□3	<b>D</b> 0
Psychological disease			
	ADHD, OCD, bipolar, schizophrenia	2	<b>1</b> 2
	Depression	<b>1</b>	<b>X</b> 1

TOTAL = 5

Scoring 0-3: low risk 4-7: mod risk >8: high risk

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Webster LR, Webster RM. Pain Medicine, 2006

### Case: Level of Risk Assessment

- Opioid Risk Tool Total = 5
- Does not take into account
  - Personal history of gambling disorder
  - Early refill requests
  - High opioid dose
  - Co-prescription of benzodiazepines
  - Apparent poor benefit of opioids and poor pain coping
- All together, risk is assessed to be HIGH
- Your monitoring approach
  - 14 day prescriptions with no refills
  - Urine drug testing every 1-2 months
  - Random Pill Counts
  - Close monitoring of prescription drug monitoring program with refills



#### Example Monitoring Approach See also <u>ACP Quality Connect: Chronic Pain</u> <u>Minimizing the Risk of Abuse</u> by Gregory A. Hood, MD, FACP

Medium Risk Low Risk **High Risk Patient Provider** Once year Once every **Once every** Agreement other year other year **Pain Visit with** Every 3-6 **Every 3** Every month -**Functional Goal** months 2 weeks months **& Side Effect** Assessment **Random Urine Every 6-12 Every 6 Every few Drug Testing** months months weeks to month **Pill Count Every 6** Monthly to Once year semi-monthly months Prescription 28 days 7-14 days 28 days **Refill Allowance** 

### MONITORING STRATEGIES

 See also <u>ACP Quality Connect: Chronic Pain Minimizing</u> <u>the Risk of Abuse</u> by Gregory A. Hood, MD, FACP



### Office Visit Monitoring



#### Also:

- Review opioid use
  - How is patient actually using prescribed opioids?
    - 24-hour inventory
  - Objective information
    - Signs of medication misuse
    - Prescription Drug Monitoring Program
    - Urine drug tests
    - Pill counts
- Revise treatment as indicated



# Urine Drug Tests

Objective information that can provide:

- Evidence of therapeutic adherence
- Evidence of use or non-use of illicit drugs
- Discuss urine drug testing openly with patient
  - If I send your urine right now, what will I find in it...
- Document time of last medication use
- Random, scheduled and/or when concerns arise
- One medical data point to integrate with others
  - Cannot discriminate elective use, addictive use and diversion
- Small risk for mislabeling, adulteration, other error
- Consult toxicologist/clinical pathologist before acting if patient disputes findings
- Dedicated deceivers can beat the system



# Why Drug Test?



### Introducing UDT

- As part of treating pain with opioids, I order urine tests to help me understand how safe they are for patients
- The test measures a number of medications and drugs that could interfere with your treatment
- This is something I do with ALL patients on these medications and it doesn't mean that I don't trust you.
- If I find something unexpected, we'll talk about it and work together to address it.



## Urine Drug Testing

- Urine drug **screens** are usually immunoassays
  - Can be done at point of care or in a lab
  - Quick and relatively inexpensive
  - Need to know what is included in testing panel
  - Risk of false negatives due to cut offs
  - Risk of false positives due to cross reactions

All unexpected findings should be sent for confirmation by GC/MS (Gas Chromatography/Mass Spectroscopy)



# Urine Drug Testing

- GC/MS confirmation
  - Identifies specific molecules
  - Sensitive and specific
  - More expensive
  - Must be aware of opioid metabolism to interpret
  - NOTE: GC/MS measurement of urine drug levels is not a valid method of determining the amount of opioid ingested



Peppin JF et al. *Pain Med.* 2012; 13:886-96. Heit HA, Gourlay DL. J *Pain Symptom Manage.* 2004;27(3):260-7. Heit HA, Gourlay DL, Caplan YH. Urine Drug Testing in Clinical Practice; Pharmacom Group Inc., May 2010. **Clinical Support** 

### **Opioid Metabolic Pathways**



From Warner E, Starrels J Liebschutz J, Lorch E. SGIM 35<sup>th</sup> Annual Meeting. Urine Drug testing in the primary care setting, 2012.



### Typical Detection Time in Urine See also: <u>Urine Drug Testing Appendix</u>

	Medication/Substance	Common Detection Time
	Amphetamine Methamphetamine	1-3 days 1-3 days
	Barbiturate (short-acting) Barbiturate (long-acting)	24 hours Up to 21 days
	Benzodiazepine (short-acting) Benzodiazepine (long-acting)	3 days Up to 30 days
	Cocaine metabolites	1-4 days
	Marijuana (single use) Marijuana (moderate use—4x/week) Marijuana (daily use) Marijuana (long-term)	3 days 5-7 days 10-15 days >30 days
	Opioids (codeine, hydrocodone, morphine, etc)	1-3 days 1-3 days
Cone Smit Tenc War	• EJ, Caplan YH. Postgrad Med 2009:121 (4): 91-102. h HS. Opioid metabolism. Mayo Clinic Proc. 2009:84(7): 613-624. ore P. Advanced urine toxicology testing. J Addictive Diseases 2010:29(4): 436- ner EA, et al. <i>Principles of Addiction Medicine</i> .2009:295-304.	PCSSS Clinical Support 30 448.

### Potential Harms of Urine Drug Testing

- Incorrect interpretation of urine drug tests could result in adverse consequences
  - Unwarranted discontinuation of opioids
  - Damage to physician-patient relationship
- Potential for false reassurance
  - Tampering
  - Alteration of behavior in anticipation of urine drug testing
- More evidence needed to understand the effects of urine drug testing on patient outcomes



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### Urine Drug Testing Pearls

- Oxycodone and synthetic opioids do not show up as "opiates"
- Methadone needs specific methadone test
- Oxycodone and oxymorphone need specific test
- Fentanyl needs specific fentanyl test
- Certain drugs may cause false positives on screening, but not gas chromatography confirmation
- Benzodiazepines may be false negative



## Urine Drug Testing: Step 1

#### Anticipate the results of your test

- Identify which medications your patient is taking
- When did patient last take his/her medications?
- Document information in your note



### Step 2:Select the Appropriate Test

- Screening
  - Panel or individual drugs
  - Point of care vs laboratory
- Confirmation
  - Automatic reflex on positives
  - For all positive and negative tests
  - Only when clinician requests

From Warner E, Starrels J Liebschutz J, Lorch E. SGIM 35<sup>th</sup> Annual Meeting. Urine Drug testing in the primary care setting, 2012.



### Step 3: Assess Specimen Validity

- Assess color
- Temperature 90-100 F.
- Urine pH ranges 4.5-8.5
- Creatinine concentration should be >20 mg/dL (<20 mg/dL is dilute, < 5mg/dL is not human specimen).</li>
- Specific gravity



### Step 4: Compare to Expected Results

Drug	Screening: Opiate immunoassay	Confirmation: GC/MS
Codeine	Positive	Codeine Morphine
Fentanyl	Negative	Fentanyl
Heroin	Positive	Morphine
Hydrocodone	Positive	Hydrocodone, hydromorphone
Hydromorphone	Positive	Hydromorphone
Methadone	Negative	Methadone
Morphine	Positive	Morphine Codeine
Oxycodone	Negative	Oxycodone Oxymorphone
Oxymorphone	Negative	Oxymorphone

From Warner E, Starrels J Liebschutz J, Lorch E. SGIM 35<sup>th</sup> Annual Meeting.

Urine Drug testing in the primary care setting, 2012.


#### **Differential Diagnosis**

UDT Result	Differential for Unexpected Results
Positive	Use of non-prescribed medications Use of illicit drugs Use of previously prescribed medications (hoarding) Cross-reaction (food, OTC, herbal products)* Contamination Laboratory error
Negative	Diversion Didn't take within time frame to make test positive (ran out early, prn med, etc.) Fast metabolizer Laboratory processing error Extreme dilution of urine Malabsorption Hoarding/Binging

\*Should occur only on screen, and not on confirmatory test with exception of poppy seeds.





- Patient is prescribed morphine and valium
  - Screening Expected results: + opiates, + benzodiazepines
  - GC/MS results: + morphine, + codeine, + diazepam
- If patient were prescribed oxycodone
  - Screening Expected results: + oxycodone, + benzodiazepines (negative opiates)
  - GC/MS results: + oxycodone, + oxymorphone, + Diazepam



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#### **Pill Counts**

Objective information that can:

- Confirm medication adherence
- Minimize diversion

28 day supply (rather than 30 days)

Prescribe so that patient should have residual medication at appointments

Ask patient to bring in medications at each visit

For identified risks or concerns, can request random call-backs for immediate counts



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# Prescription Drug Monitoring Programs (PDMP)

- Statewide electronic database on dispensed controlled substance prescriptions
- Prescription data available to prescribers and pharmacists (usually for the past year, and including information on date dispensed, patient, prescriber, pharmacy, medicine, and dose)
- A substantially underutilized resource
- 49 states including District of Columbia and Guam have an active PDMP. Missouri is the only state without an active PDMP.<sup>1</sup>
- 40 states have an active prescriber mandated use of PDMP provision in statute or rule (as of Jan 2019)<sup>2</sup>
- Several studies\* suggest association between PDMP use and positive outcomes related to improving prescribing and reducing prescription drug abuse



# **Discussing Monitoring**

- Review the personal and public health (community health) risks of opioid medications
- Discuss your responsibility to look for and manage early signs of harm
- Discuss agreements, pill counts, drug tests, etc. as ways that you are helping to protect patient from getting harmed by medications

Use consistent approach (Universal Precautions) BUT apply it individually to match risk



# Monitoring is a lot of work... Engage office staff

- Educate all staff on protocols and policies
  - How and when prescriptions will be dispensed
  - Appointments, program expectations
  - Pain management and addiction
- Be consistent: send the same message
- Engage the entire team to:
  - Help educate and monitor patients
  - Remind patients of policy and treatment agreement
  - Manage refills
  - Monitor for adherence



## MANAGING DRUG MISUSE-RELATED BEHAVIORS





- Patient calls to request a refill 8 days early stating that his daughter is in the hospital in another state.
- had been in the hospital for 3 days during his current prescription, so refill would actually be 11 days early.
- What do you do?



#### **Opioids and Unrealistic Expectations**

Patients often have unrealistic expectations that... ...lead to the belief that opioids will always relieve pain, *therefore* more opioids equal more relief

...leading to unsanctioned dose escalation or continued requests for higher doses

Re-educate about realistic goals and potential opioid risks



# Monitoring for Opioid Misuse

- Patient questionnaire
  - Current Opioid Misuse Measure (COMM) Self-administered 17 items
- Other strategies
  - Pill counts (scheduled vs random)
  - Urine drug tests (scheduled vs random)
  - PDMP data
- History from "reliable" family members
  - Beware of family members with secondary gain for giving inaccurate information



### **Differential for Opioid Misuse**

#### un Relief Seeking

- Disease progression
- Poorly opioid responsive pain
- Withdrawal mediated pain
- Opioid analgesic tolerance
- Opioid-induced hyperalgesia





*For example,* patient with chronic pain, with co-morbid addiction, taking some for pain and diverting some for income

- Opioid use disorder/Addiction
- Other psychiatric diagnosis
- Criminal intent (diversion)



## DDx: Pain Relief Seeking

#### **Opioid Analgesia Tolerance**

- Right shift of the dose-response curve
  - Analgesic tolerance demonstrated in animal models
  - Human studies find opioid doses stabilize long-term
  - Therefore, assume opioid analgesic tolerance is not common but may happen
- Increased dose overcomes decreased analgesia



## **DDx: Pain Relief Seeking**

#### **Opioid-Induced Hyperalgesia**

- Enhanced pain sensitivity to same opioid dose
- Paradoxically more opioid will worsen pain
- Central and peripheral sensitization of *pronociceptive* process
- Increased dose may improve analgesia but only temporarily



# DDx: Drug Seeking

#### **Opioid Use Disorder (OUD)/Addiction**

- ✓ \*Tolerance
- \*Withdrawal
- Use in larger amounts or duration than intended
- Persistent desire to cut down
- ✓ Giving up interests to use opioids
- Great deal of time spent obtaining, using, or recovering from opioids

- Craving or strong desire to use opioids
- Recurrent use resulting in failure to fulfill major role obligations
- ✓ Recurrent use in hazardous situations
- Continued use despite social or interpersonal problems caused or exacerbated by opioids
- Continued use despite physical or psychological problems
- \*This criterion is not considered to be met for those individuals taking opioids solely under appropriate medical supervision

Mild OUD: 2-3 Criteria Moderate OUD: 4-5 Criteria Severe OUD: <u>></u>6 Criteria



# DDx: Drug Seeking

#### Addiction

#### **Clinical syndrome presenting as...**

Loss of Control Compulsive use Continued use despite harm

Medical Misuse (pattern and severity)

#### Addiction is **NOT** the same as **Physical Dependence**



# Concerning Behaviors for Opioid Use Disorder

#### Spectrum: <u>Yellow</u> to <u>Red</u> Flags

Requests for increase opioid dose Requests for specific opioid by name, "brand name only" Non-adherence w/other recommended therapies (e.g., PT) Running out early (i.e., unsanctioned dose escalation) Resistance to change therapy despite AE (e.g. over-sedation) Deterioration in function at home and work Non-adherence w/monitoring (e.g. pill counts, UDT) Multiple "lost" or "stolen" opioid prescriptions Illegal activities – forging scripts, selling opioid prescription 



## Case: Responding to the Early Refill

- See patient at an office visit
- Perform Urine Drug Test
- Perform Pill Count
- Confirm story with a family member

Goals:

- Re-establish goals and expectations
- Reassess risks and benefits



# MEDICATIONS TO AVOID WITH OPIOIDS



# High Risk Medications to Avoid

- Alcohol advise against any use
  - May rapidly release opioid (dose dump) when certain ER/LA opioids are exposed to alcohol
- Benzodiazepines and sedative hypnotics
  - Highest risk of unintentional overdose
  - Potentiating effect on sedation and respiratory depression
- Certain muscle relaxers (Carisoprodal)
- Marijuana
- Medications that interact with methadone
  - Multiple medications
- Medications that interact with tramadol or tapentadol
  - SSRI or SNRIs



# ABUSE-DETERRENT OPIOID FORMULATIONS



#### **Abuse-deterrent Opioid Formulations**

- Abuse deterrent opioid formulations recently approved by FDA or undergoing FDA approval process
  - Designed to be tamper-resistant or co-formulated with medications that reverse opioid effects or produce noxious side effects when tampered with
  - Effectiveness for reducing misuse and improving clinical outcomes yet to be established
  - Likely to be primarily effective in patients who crush or inject opioids
  - Some patients may seek other prescription or illicit opioids<sup>a</sup>



#### Abuse Deterrent/Resistant Formulations



FDA 2013 Guidance for Industry Abuse Deterrent Opioids – Evaluation and Labeling

#### www.fda.gov

Passik SD. *Mayo Clin Proc.* 2009;84(7):593-601. Stanos SP, et al. *Mayo Clin Proc.* 2012;87(7):683-94. Larochelle MR et al. *JAMA Intern Med.* 2015;175(6):978-987 Michna E et al. *Curr Med Res Opin.* 2014. Cassidy TA et al. *Pain Med* 2014;15(3):440-51.



#### NALOXONE CO-PRESCRIPTION SLIDES ADAPTED FROM DR. PHILLIP COFFIN



#### **Overdose Risk Factors**

#### Prior overdose

- Overdose in any 1 year predicts a 6-fold increased likelihood of overdose in next year
- Any history of opioid overdose predicts a 4-fold increased risk of mortality
- Concomitant use of other substances
  - Sedatives, alcohol, cocaine
- Reduced tolerance



#### **Opioid Overdose Risk Management Plan**

- Consider in the following situations
  - High dose opioids (MED >50 mg)
  - History of opioid overdose (intentional or unintentional)
  - Use of benzodiazepines or other sedative hypnotics
  - Opioid use disorder
  - Heroin use



#### **Concept of Lay Naloxone**

- Overdose usually witnessed
- Death takes a while
- EMS not routinely accessed
- Naloxone is safe and effective
- May decrease the need for advanced respiratory support
- Possible behavior change



#### Naloxone and the Law

- Naloxone is not a controlled substance; no different than prescribing other routine medications to your patients
- Some states have added legal protections
  - Prescribing to a bystander
  - Administration of naloxone by lay bystanders
  - Prescribing or dispensing based on standing order or directly from pharmacies



#### How to Prescribe Naloxone

- Injectable
  - Vial
    - Naloxone 0.4mg/1mL IM if overdose
    - IM syringes (3 mL 25g 1" syringes are recommended
  - Autoinjector: Evzio®, 0.4mg naloxone
- Intranasal
  - Naloxone 2mg/2mL prefilled syringe, spray ½ into each nostril if overdose
  - MAD (Mucosal Atomization Device) nasal adaptor



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	Injectable (and intranasal- IN) generic <sup>1</sup>	Intranasal branded <sup>2</sup>	Injectable generic <sup>3</sup>	Injectable generic	Auto-injector branded	
Brand name		Narcan Nasal Spray			Evzio Auto-Injector	
Product comparison						
FDA approved Labeling includes instructions for layperson use	X (for IV, IM, SC)	x x	x	x	x x	
Layperson experience	x		x		x	
Assembly required	x		×	×		
Fragile	x					
Can titrate dose	x		x	x		
Strength	1 mg/mL	4 mg/0.1 mL	0.4 mg/mL OR 4 mg/10 mL	0.4 mg/mL	0.4 mg/0.4mL	
Total volume of kit/package	4 mg/4 mL	8 mg/ 0.2 mL	0.8 mg/2 mL OR 4 mg/10 mL	0.8 mg/2 mL	0.8 mg/0.8 mL	
Storage requirements (All protect from light)	Store at 59-86 °F Fragile: Glass.	Store at 59-77 °F Excursions from 39-104 °F	Store at 68-77 °F Breakable: Glass.	Store at 68-77 °F Breakable: Glass.	Store at 59-77 °F Excursions from 39-104 °F	
Cost/kit⁴	\$\$	\$\$	\$	\$	\$\$\$	
Prescription variation						
Refills	Two	Two	Two	Тwo	Two	



## Talking about "opioid safety"

- People who use prescription opioids, including patients with opioid use disorder in remission, may not perceive their own "overdose" risk
- Consider focusing on "opioid safety" with language such as
  - Opioids can sometimes slow or even stop your breathing
  - Naloxone is the antidote to opioids to be [sprayed in the nose/injected] if there is a bad reaction where you can't wake up
  - Naloxone is for opioid medications like an Epi-Pen is for someone with an allergy



#### **Resources for providers**

- Naloxone Program Implementation Manual
  - www.harmreduction.org/issues/overdose-prevention/toolsbest-practices
- AHRQ description of Massachusetts naloxone program
  - www.innovations.ahrq.gov/content.aspx?id=3912
- Clinic-based prescribing information and guidelines
  - www.prescribetoprevent.org
  - <u>Reversing the Overdose Epidemic in Oregon: A Toolkit for</u> <u>Oregon's Physicians, PAs, and other Prescribers</u>
- Pharmacy resources: <u>www.stopoverdose.org</u>
- Advocacy film and materials: Reach for Me: Fighting to end the American Drug Overdose Epidemic: <u>www.hri.global/contents/1386</u>
- Research updates and other overdose-related news: <u>www.overdosepreventionalliance.org</u>



#### Summary

- Evaluating a patient's risk of opioid misuse should be done universally on all patients prescribed long term opioids.
- The level and frequency of opioid monitoring depends on his or her initial risk evaluation.
- Opioid monitoring involves several steps and helps determine whether the benefits of ongoing treatment outweigh the risks.
- Urine drug testing is a key monitoring component.
- Naloxone co-prescription should be considered in patients prescribed high dose opioids.



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## **PCSS Mentoring Program**

- PCSS Mentor Program is designed to offer general information to clinicians about evidence-based clinical practices in prescribing medications for opioid use disorder.
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