The New Practitioners Guide to Dispensing Opioids During the Misuse Epidemic

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Disclosure

I, Bethany Abrahams, have no conflicts of interest or financial relationships to disclose.

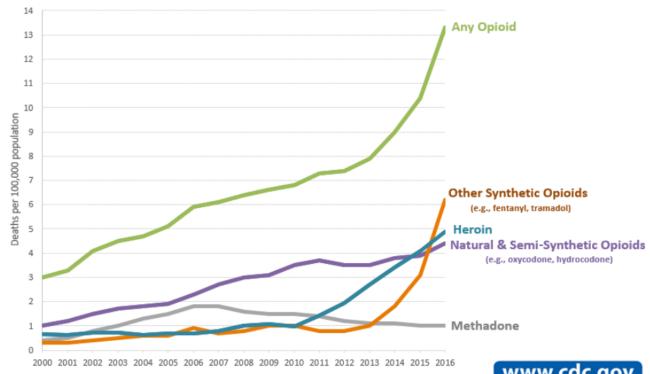
Objectives

- To analyze and compare trends of opioid misuse across the nation and in Pennsylvania
- To discuss the Achieving Better Care by Monitoring All Prescriptions Program Act (ABC-MAP) as it pertains to pharmacy practice in the state of Pennsylvania
- To identify and demonstrate the use of resources available to assist pharmacists in the dispensing of medications commonly misused
- To illustrate prescribing patterns that are indicative of prescription misuse

Objective One: To analyze and compare trends of opioid misuse across the nation and in Pennsylvania

National Landscape





SOURCE: CDC/NCHS, National Vital Statistics System, Mortality. CDC WONDER, Atlanta, GA: US Department of Health and Human Ser vices, CDC; 2017. https://wonder.cdc.gov/. www.cdc.gov
Your Source for Credible Health Information

- Opioid deaths were five times higher in 2016 than in 1999
- Deaths from synthetic opioids doubled between 2015 and 2016. Illegal fentanyl is the primary agent responsible for these deaths.
- 115 Americans die every day from opioid overdose
- Four times as many opioids were sold in 2010 compared to 1999

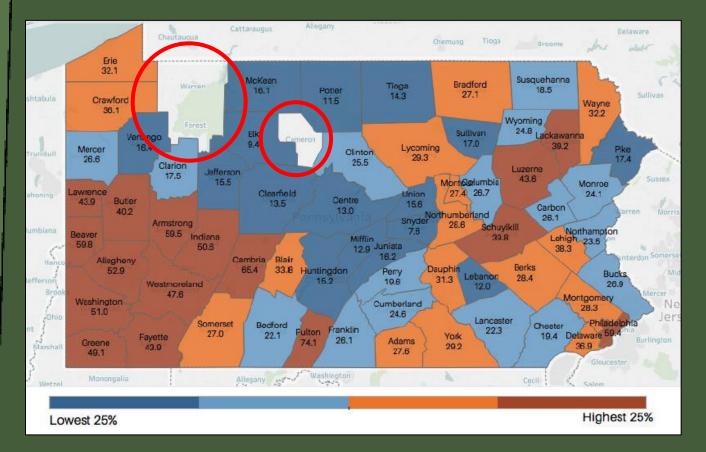
Pennsylvania Landscape

- 4,642 deaths in 2016 (approx. 13 people per day)
- 4th highest rate of death due to drug overdose in 2016
- 4th highest rate of increase from 2015-2016

| 2016 Rank | State | 2016 overdose deaths per 100,000 people | Increase 2014-2015 | Increase 2015-2016 |
|--------------|---------------|---|-----------------------|-----------------------|
| 1 | West Virginia | 52.0 | 16.9% | 25.3% |
| 2 | Ohio | 39.1 | 21.5% | 30.8% |
| 3 | New Hampshire | 39.0 | 30.9% | 13.7% |
| 4 | Pennsylvania | 37.9 | 20.1% | 44.1% |
| 5 | Kentucky | 33.5 | 21.1% | 12.0% |

2016 Drug Overdose Deaths by County

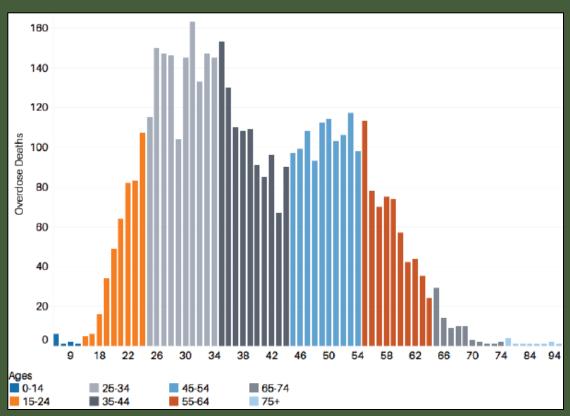
per 100,000 people



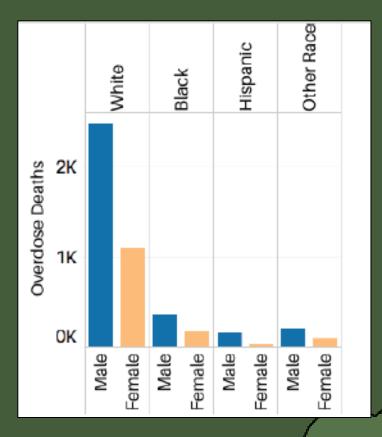
| 2016 Rank | County | Rate per 100,000 | | | |
|--------------|--------------|---------------------|--|--|--|
| 1 | Fulton | 74.1 | | | |
| 2 | Cambria | 65.4 | | | |
| 3 | Beaver | 59.8 | | | |
| 4 | Armstrong | 59.5 | | | |
| 5 | Philadelphia | 59.4 | | | |
| 6 | Allegheny | 52.9 | | | |
| 7 | Washington | 51.0 | | | |
| 8 | Indiana | 50.6 | | | |
| 9 | Greene | 49.1 | | | |
| 10 | Westmoreland | 47.6 | | | |

Demographics of PA Overdose Deaths in 2016

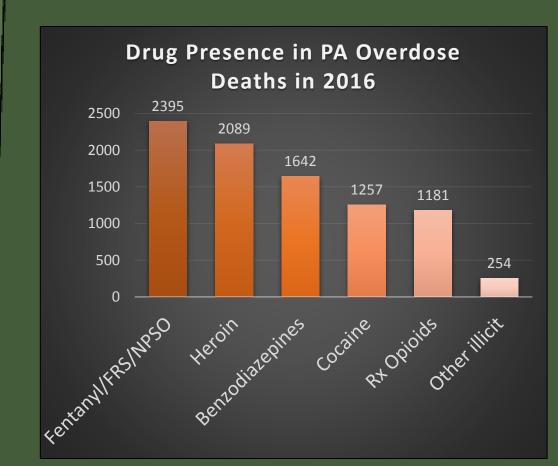


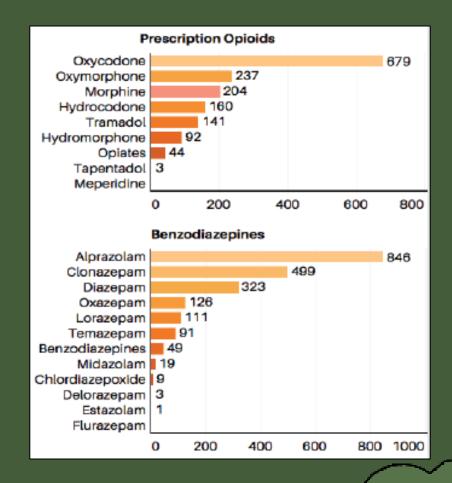


Gender and Race



Drugs Related to PA Overdose Deaths in 2016





Objective Two: To discuss the Achieving Better Care by Monitoring All Prescriptions Program Act (ABC-MAP) as it pertains to pharmacy practice in the state of Pennsylvania

Achieving Better Care by Monitoring All Prescriptions Program (Act 124)

• Timeline

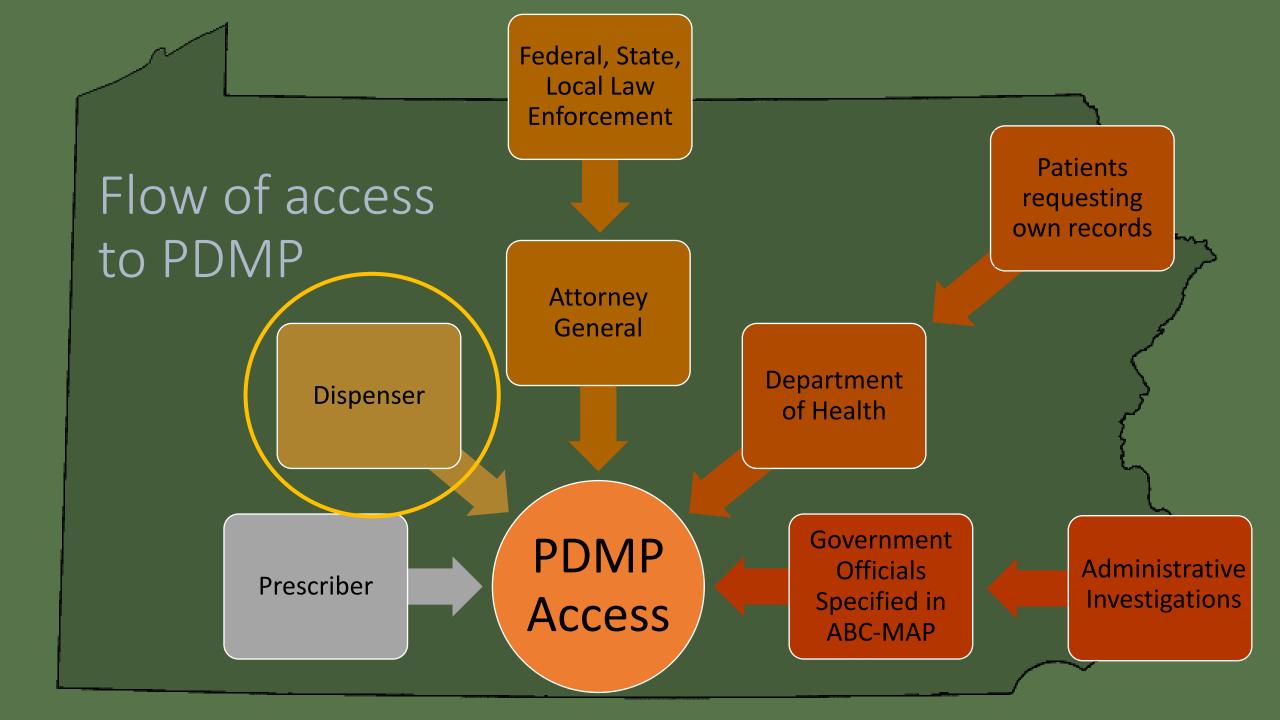
- Passed October 27, 2014
 Fully effective June 30, 2015
- Amended November 2, 2016 Fully effective January 1, 2017
- Expires June 30, 2022

Applies to

- Prescribers
- Dispensers and pharmacies

Purpose

- Improve patient care
- Provide access to an electronic Prescription Drug Monitoring Program (PDMP)
- Provide patients with access to records their records
- Assist regulatory and law enforcement in detecting and preventing fraud, drug abuse, and diversion of controlled substances



Who is considered a dispenser?

YES

- "Person lawfully authorized to dispense"
- Includes mail order and internet pharmacies

NO

- Health care facility administering onsite
- Correctional facility and its contractors
- Person administering a medication
- Wholesale distributor
- Provider in the LIFE program (Living Independently For Elders)
- Prescriber in a health care facility dispensing a maximum of 5 days supply with no refills
- Veterinarian

Pharmacy PDMP Activities

Inform

- 1. Written notice of the monitoring program
- How to review and correct information
- May be posted at site or handed to patients
- 2. Must use form created by ABC-MAP Board. See reference #1

Query

- 1. Dispensers <u>must</u> check PDMP before dispensing a benzodiazepine or opioid when patient is:
- New
- Paying cash but has insurance
- Requesting refill early
- Prescribed opioids or benzodiazepines from more than one prescriber
- 2. May query for any patient when deciding whether to dispense or not

Report

- 1. Electronically report each controlled substance dispensed
- Reporting must occur <u>no</u> <u>later than</u> closing time the following business day

Protect

- 1. All information is confidential
- 2. **Nonviolation**: If a patient is not suspected of abusing or diverting, there is no penalty for not performing a query that is not otherwise required
- 3. Immunity: No civil liability or action against license for submitting, receiving, or not seeking information as long as confidentiality and other requirements are met

Licensure Requirements

Initial Licensure after July 1, 2017

- 2 hours of education in **both**
 - Pain management or Identification of addiction and
 - Practices of prescribing or dispensing
- May be obtained as part of PharmD curriculum or through Continuing Education courses
- Documentation must be submitted no later than 12 months after receiving initial license. See reference #3

Biennial Renewal

- 2 hours of continuing education in **one** of the following:
 - Pain management
 - Identification of addiction
 - Practice of prescribing or dispensing
- Currently courses with titles indicating pain management, identification of addiction, and/or practices of prescribing or dispensing opioids are acceptable
- Department of State is developing qualifying continuing education courses for pharmacistsexpected in 2018

Objective Three:

To identify and demonstrate the use of resources available to assist pharmacists in the dispensing of medications commonly misused

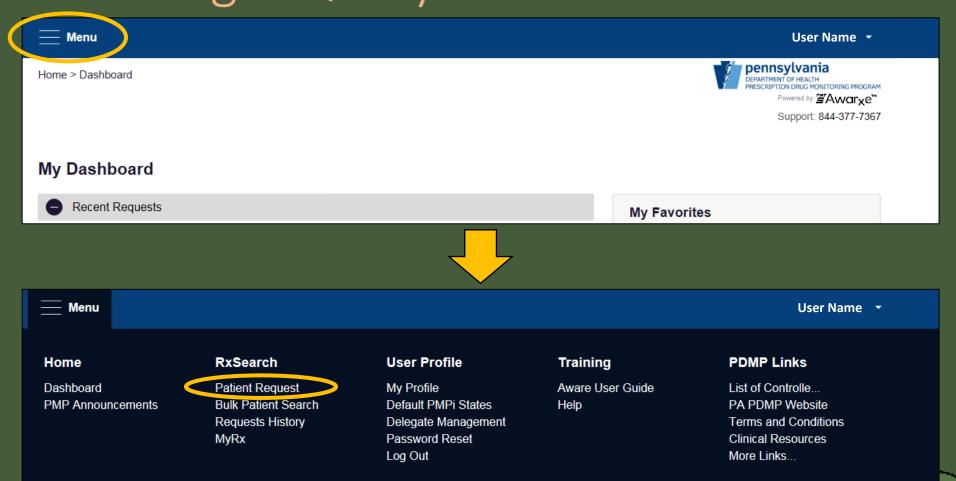
Resource #1: Prescription Drug Monitoring Program (PDMP)

- Database access https://pennsylvania.pmpaware.net/login
- Information on registering yourself, delegates, and using the system http://www.health.pa.gov/your-department-ofhealth/offices%20and%20bureaus/paprescriptiondrugmonitoringprogram/pages/p dmp-portal.aspx#.Wpw2tOco7mQ
- Healthcare entities can request PDMP integration with their prescription management system or electronic health system through the Department of Health website
- Can search across the following state lines:

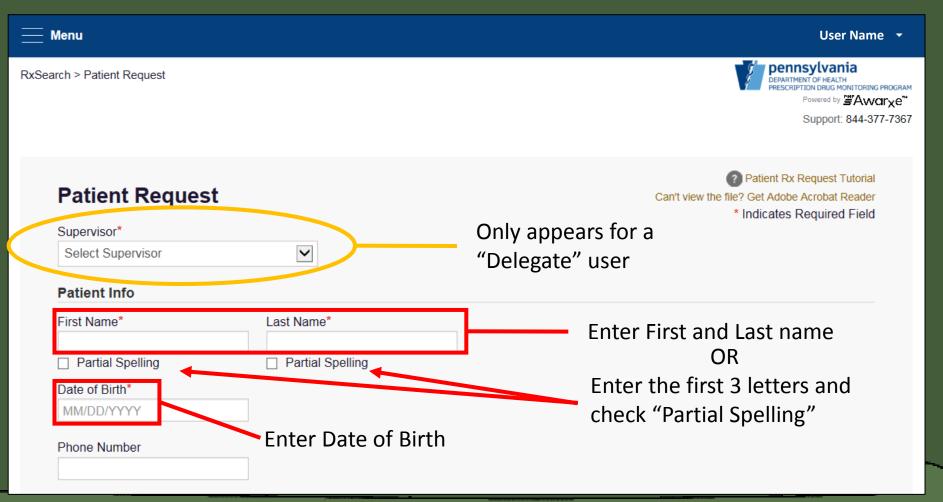
Bordering states: DE, MD, NJ, NY, OH, WV

Others: AK, CT, DC, IL, LA, ME, MA, MN, OK, SC, TX, VA

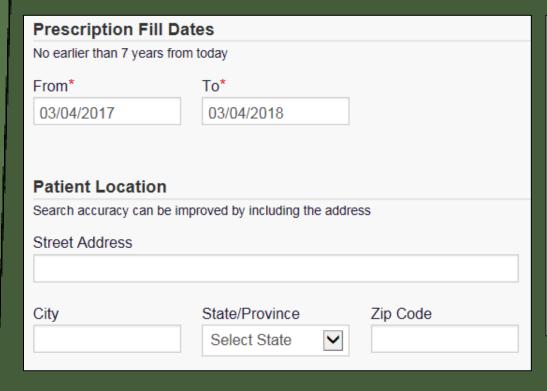
Performing a Query



Provide Required Information to Query



Additional Options for Query

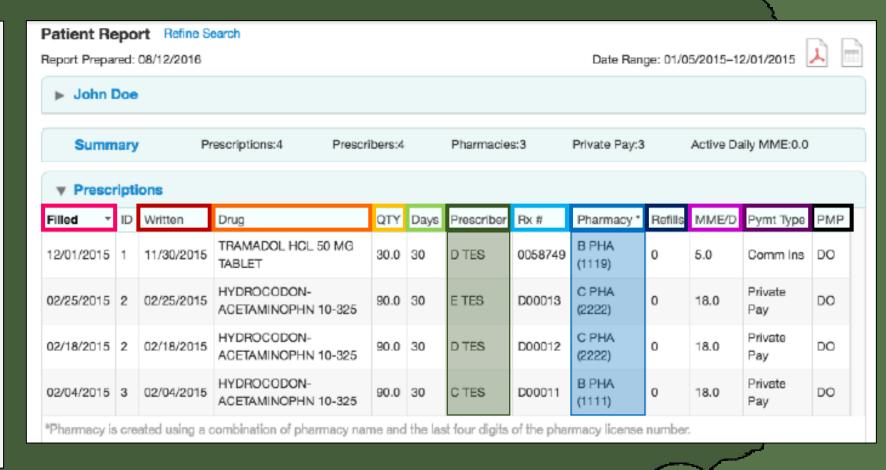


| FIVI | P interconnect Se | arcn |
|-------|----------------------------|---|
| To se | earch in other states as w | vell as your home state for patient information, select the states you wish to include in your search |
| Α | □Arkansas | |
| С | Connecticut | |
| D | Delaware | ☐District of Columbia |
| I | □Illinois | |
| L | Louisiana | |
| M | ☐Maine | ☐Maryland ☐Massachusetts ☐Minnesota Disclosures |
| N | ■New Jersey | □New York |
| 0 | □Ohio | □Oklahoma |
| S | ☐South Carolina | |
| Т | □Texas | |
| V | □Virginia | |
| W | □West Virginia | |

- Pharmacists can search all available states
- Delegates are restricted from searching some states, including New Jersey
- May not be able to do "Partial Spelling"

Query Report

- 1. Fill date
- 2. Written date
- 3. Drug
- 4. Quantity
- 5. Days supply
- 6. Prescriber
- 7. Prescription number
- 8. Filling pharmacy
- 9. Refills
- 10. Morphine milliequivalents per day
- 11. Payment type
- 12. State of fill



Query Report

| Prescriber | Rx# | Pharmacy * |
|------------|---------|-----------------|
| D TES | 0058749 | B PHA (1119) |
| E TES | D00013 | C PHA (2222) |
| D TES | D00012 | C PHA (2222) |
| C TES | D00011 | B PHA (1111) |

| ▼ Prescribers | | | | | | |
|--|--------------------------|------------------|---------|-----------|-------|------------|
| Name A | ▲ Address City | | | State Zip | | Phone |
| TESTPRESCRIBER, C | 2910 HIGH ST | WICHITA | | KS | 67203 | |
| TESTPRESCRIBER, D | | | | | | |
| TESTPRESCRIBER, D | 890 NO PLACE ST | PLACE ST WICHITA | | KS | 67203 | |
| TESTPRESCRIBER, E | 10110 TEST ST | WICHITA | | KS | 67204 | |
| ▼ Dispensers | | | | | | |
| Pharmacy - | acy * Address | | City | State | Zip | Phone |
| C PHARMACY CHAIN (2222) | 2nd NOWHERE ST | | WICHITA | KS | 67206 | 3365550000 |
| B PHARMACY (1111) | 1234 NOT-A-REAL-PLACE DR | | WICHITA | KS | 67202 | 3160000000 |
| B PHARMACY (1119) 1234 NOT-A-REAL-PLACE DR | | | WICHITA | KS | 67202 | |

Resource #2: CDC Clinical Tools

- Access
 https://www.cdc.gov/drugoverdose/prescribing/clinical-tools.html
- Includes:
 - Guideline for Prescribing Opioids for Chronic Pain
 - Information on the Opioid Guide App
 - Pharmacists' Brochure
 - Pocket Guide: Tapering
 - Prescribing checklist

- Nonopioid Treatments
- Assessing Benefits and Harms
- Calculating Dosages
- Information on PDMPs
- Alcohol Screening and Brief Intervention Tool

Pharmacists' Brochure

- Provides guidance on having conversations about pain and opioids with patients
- Defines opportunities for pharmacists to partner with prescribers
- Illustrates actions a pharmacist can take to prevent abuse

COMMUNICATING WITH PATIENTS

In addition to increasing communication with prescribers, pharmacists talk to patients about the safe use of opioids. Pharmacists can educate patients about:

- 1 Proper use: Discuss how to take medication(s) exactly as prescribed and the risks of using medication inappropriately.
- 2 Side effects: Review most common side effects and stress the importance of reporting them to their prescriber or pharmacist for effective management.
- Medication fills: Discuss and manage expectations regarding refill requirements and the importance of using one pharmacy for all medications.
- 4 Stockpiling medication: Counsel patients about the dangers of saving unused medication.
- Safe storage and disposal: Explain how to safely store and dispose of unused medications to prevent diversion or misuse. Refer to the DEA website www.deadiversion.usdoj.gov/drug_disposal/ for fact sheets and details regarding drug disposal.

Nonopioid Treatments

- Provides options for chronic pain based on underlying causes and co-morbidities
- Specific recommendations for:
 - Low back pain
 - Migraine
 - Neuropathic pain
 - Osteoarthritis
 - Fibromyalgia

Osteoarthritis

Nonpharmacological treatments: Exercise, weight loss, patient education

Medications

- First-line: Acetamionphen, oral NSAIDs, topical NSAIDs
- Second-line: Intra-articular hyaluronic acid, capsaicin (limited number of intra-articular glucocorticoid injections if acetaminophen and NSAIDs insufficient)

Fibromyalgia

Patient education: Address diagnosis, treatment, and the patient's role in treatment

Nonpharmacological treatments: Low-impact aerobic exercise (e.g., brisk walking, swimming, water aerobics, or bicycling), cognitive behavioral therapy, biofeedback, interdisciplinary rehabilitation

Medications

- FDA-approved: Pregabalin, duloxetine, milnacipran
- Other options: TCAs, gabapentin

Alcohol Screening and Brief Intervention

 An evidence-based approach to reduce excessive drinking

Option 110

A single-question screener: "How many times in the past year have you had 5 or more drinks in a day (for men) or 4 or more drinks in a day (for women)?"

Option 2 Brief Alcohol Use Disorders Identification Test (AUDIT 1-3) (US)7:

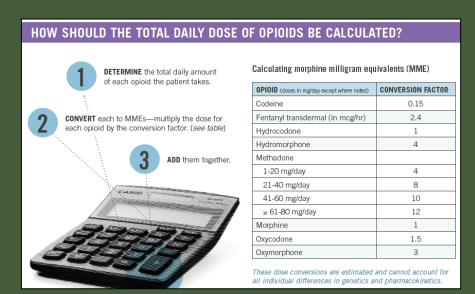
- 1. How often do you have a drink containing alcohol?
- 2. How many drinks containing alcohol do you have on a typical day you are drinking?
- 3. How often do you have X (5 for men; 4 for women & for men over age 65) or more drinks on one occasion?
- Alcohol involved with 22% of opioid overdose deaths and 18% of opioid related emergency room visits
- 9 out of 10 excessive drinkers are not dependent on alcohol

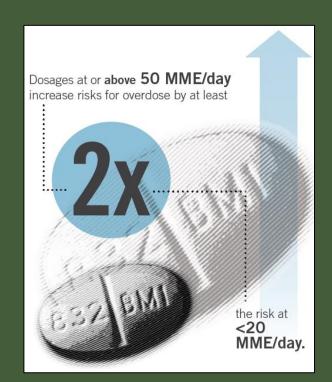
Excessive alcohol use includes

- Binge drinking: consuming 5 or more drinks for men or 4 or more drinks for women, per occasion.
- Heavy drinking: consuming 15 or more drinks per week for men or 8 or more drinks per week for women.
- Any drinking by pregnant women or people younger than the minimum legal drinking age of 21.

Calculating Dosages

- Provides conversion factors for each opiate to enable calculation of MME/day. Patients with high MME/day may benefit from:
 - Medication therapy management
 - Naloxone prescribing/furnishing





Resource #3: Naloxone Standing Order

- Controlled Substance, Drug, Device and Cosmetic Act - Drug Overdose Response Immunity (Act 139)
 - Passed September 30, 2014
 Fully effective November 29, 2014
 - Allows for the creation of a standing order
 - Allows EMS and individuals to possess and administer naloxone to others
 - Confers immunity to
 - Persons helping an individual suspected of experiencing an overdose
 - Persons experiencing an overdose

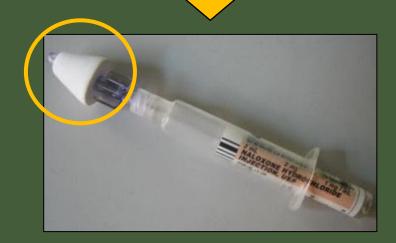
- Signed by PA Physician General, Rachel Levine, MD
- Allows individuals to obtain naloxone with a prescription or through the standing order
 - Intra-nasal
 - Naloxone syringe + atomizer
 - Narcan®
 - Intramuscular
 - Evzio[®]
- Encourages all eligible persons to participate in a Naloxone training program

Generic naloxone





- Standing order only permits generic to be dispensed to the public for intranasal use
- Atomizer must be purchased separate
- Costs around \$40 cash
 - Insurance plans likely to cover medication as a Tier 1 product





Branded naloxone products

Evzio® auto-injector

- Device "speaks" directions
- Training device provided
- EVZIO2YOU direct-delivery service for commercially insured patients yields \$0 copay
- Patient Assistance Program for uninsured persons with a household income less than \$100,000

Narcan[®] nasal spray

- Easy to use
- 94% of insurance plans cover
 - 74% \$10 copay or less



Resource #4: Red Flags

- A red flag is a warning sign that a patient is attempting to obtain a prescription for a non-legitimate medical purpose
- Use as a screening tool for each patient, not as definitive criteria for all patients
- Some states consider it be a "corresponding responsibility" for pharmacists to address "Red Flags"
 - Legally liable for patient injury or death
 - Pharmacy and pharmacist licenses revoked in California

Red Flags: Presentation of the Prescription

Red Flag

Example of a false flag

Patients travel in a group or live together and have prescriptions for the same medication from the same prescriber

Illness has a genetic component (ex: sickle cell)
Family sustained injury (ex: car accident)

Patient presents prescriptions written for someone else

Caregiver

Pharmacist knows, or reasonably believes, that another pharmacy has refused to fill the prescription

Medication not in stock

Prescription looks altered or is written perfectly

Contact with moisture (ex: rain, sweat)
Assistant wrote prescription for prescriber to sign

Pharmacy is not near prescriber's office or patient's residence

Insurance requires use of specific pharmacy

Prescriber's DEA registration has been suspended or revoked (or action is pending)

Red Flags: Patient Behaviors and Attributes

Pressures pharmacist to dispense by making or implying threats

Physical signs indicating substance abuse (ex: needle tracks on arm)

Exhibiting signs of sedation, confusion, intoxication, or withdrawal

Obtains prescriptions for similar medications from different prescribers or pharmacies

Refers to medications by street names

Multiple prescriptions for highly abused medications

Has prescriptions for controlled and non-controlled substances but only wants to fill controlled substances

Has a history of untruthfulness



Prescriptions are for large quantities

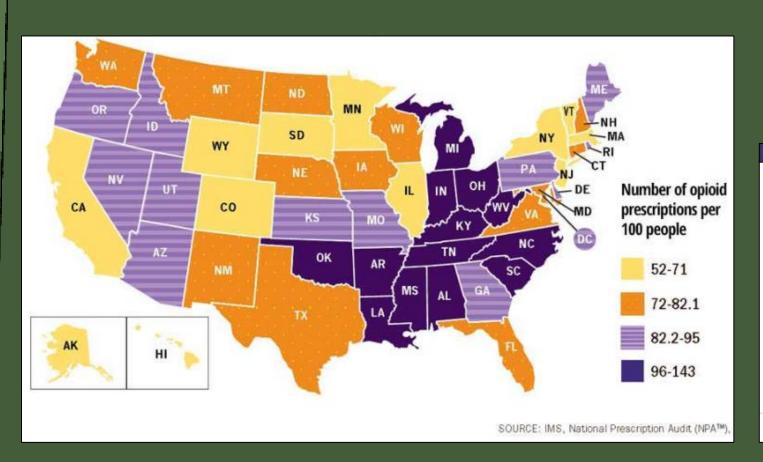
Many prescriptions for controlled substances

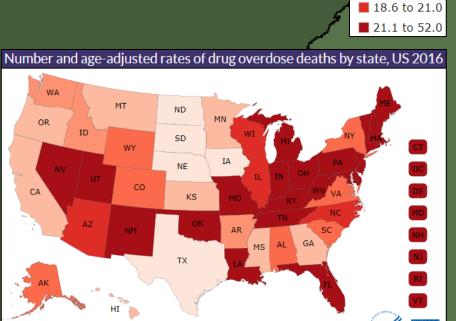
Therapeutic duplication: two long acting or two short acting agents

Medications form a known "cocktail" (ex: opiate + benzodiazepine + muscle relaxant)

Objective Four:
To illustrate prescribing patterns that are indicative of prescription misuse

2016 National Opioid Prescribing Trends

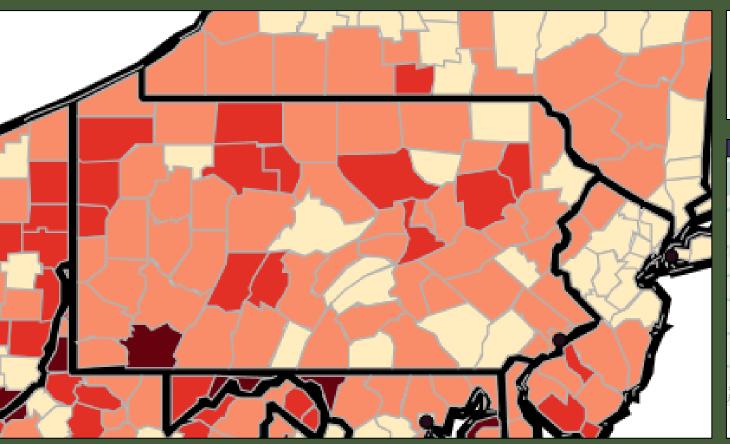


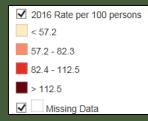


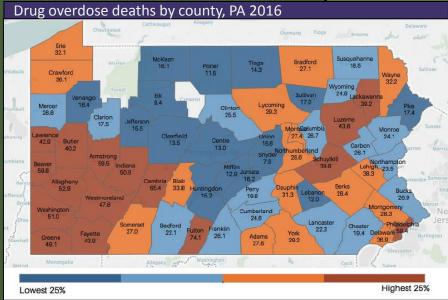
Legend

6.9 to 11.0 11.1 to 13.5 13.6 to 16.0 16.1 to 18.5

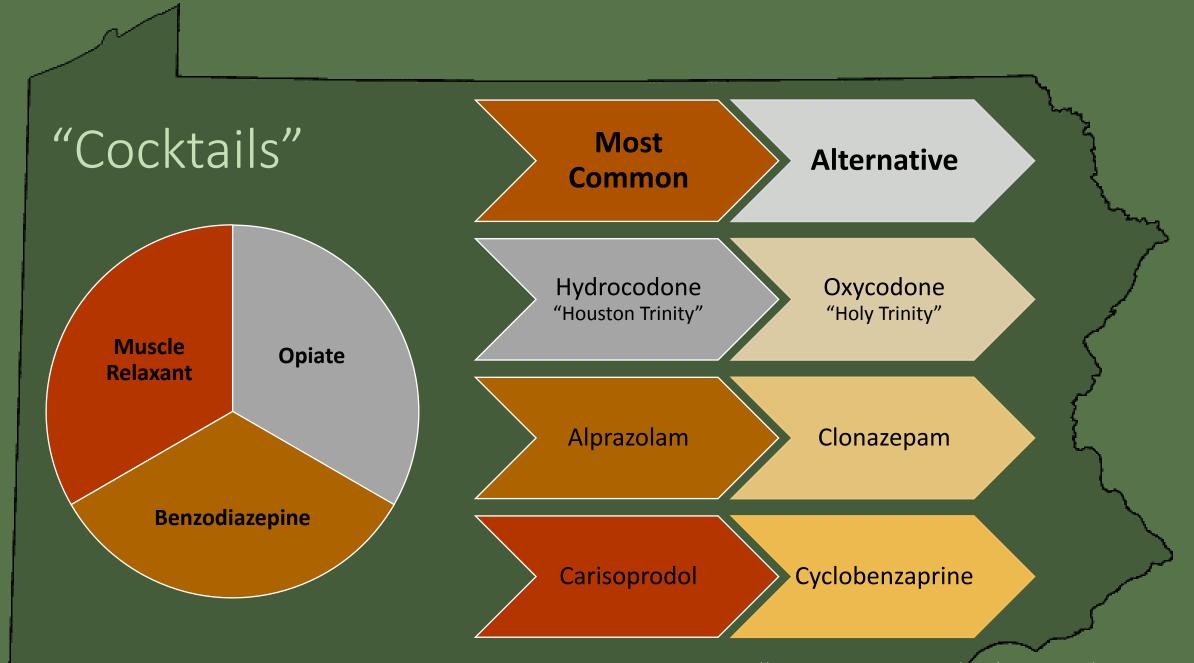
2016 Local Opioid Prescribing Trends







https://www.cdc.gov/drugoverdose/maps/rxcounty2016.html



Holske R. Prescription Drug Trafficking & Abuse Trends. EU-US Dialogue on Drugs. Brussels, Belgium. May 15, 2013. https://www.deadiversion.usdoj.gov/pubs/presentations/euus2013.pdf https://www.deadiversion.usdoj.gov/drug_chem_info/benzo.pdf

Other concerning opioid prescribing

tramadol + zolpidem + trazodone

buprenorphine + benzodiazepine

opioid - gabapentin or pregabalin /-/- benzodiazepine +/- naproxen

Switch from buprenorphine-naloxone (Suboxone®) to buprenorphine (Subutex®)

Prescribing Guidelines for Pennsylvania. Opioid Dispensing Guidelines. January 14, 2016.

http://www.health.pa.gov/My%20Health/Diseases%20and%20Conditions/A-D/Documents/PA%20Guidelines,%20on%20the%20Dispensing%20of%20Opioids.pdf Kominek C. What's all the "GABA" 'Bout? Pregabalin and Gabapentin Abuse. Painweek. February 28, 2018.

https://www.painweek.org/assets/PAINWeekEnd%20Slides/2018/Denver/Saturday 02 What%27s%20all%20the%20GABA%20About%20(Kominek).pdf

A closer look at gabapentinoids

Reduce release of neurotransmitters from synapses

- Glutamate
- Noradrenaline
- Serotonin
- Dopamine

Pregabalin

- Effects likened to diazepam by known recreational users of sedatives/hypnotics
- 4% of patients in one study (n>5500) reported euphoria as a side effect

Gabapentin

- Persons with polysubstance abuse were found to take higher doses than prescribed
- States requiring PDMP reporting: MN, OH, KY (schedule V), MA, ND, VA, WV, WY

Gabapentinoid drug-drug interactions

Morphine

 Increases somnolence, spatiotemporal disorientation, and visual hallucinations

Tramadol

Synergistically decreases pain

Naproxen

• Increases gabapentin absorption by 12-15%

Hydrocodone

Decreases exposure to hydrocodone

Additional References and Resources

- 1. PDMP Written Notice for Patients http://www.health.pa.gov/Your-Department-of-Health/Offices%20and%20Bureaus/PaPrescriptionDrugMonitoringProgram/Documents/PDMP_Patient_Notice_Poster.pdf
- 2. ABC-MAP Licensing and Renewal Requirements http://www.dos.pa.gov/ProfessionalLicensing/BoardsCommissions/Pharmacy/Documents/Special%20Notices/PharmSN%20-%20Notice%20Regarding%20Opioid%20Education.pdf
- 3. Verification of Opioid Education Completed as Part of an ACPE-Accredited School of Pharmacy's PharmD or BS in Pharmacy Program http://www.dos.pa.gov/ProfessionalLicensing/BoardsCommissions/Pharmacy/Documents/Applications%20and%20Forms/Non-Application%20Documents/PharmF%20-%20Verification%20of%20Opioid%20Education%20Form.pdf
- 4. Naloxone http://prescribetoprevent.org/
- 5. Stakeholders' Challenges and Red Flag Warning Signs Related to Prescribing and Dispensing Controlled Substances https://nabp.pharmacy/wp-content/uploads/2016/07/Red-Flags-Controlled-Substances-03-2015.pdf