

# An Update on the Evolving MDHHS Strategy for Combatting the Opioid Mortality Crisis

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# Objectives

- Describe the changing landscape of the Opioid Mortality Crisis in 2017
- 2. Provide an Overview of the Evolving MDHHS Strategy to Combat the Crisis
- 3. What You, the Provider, Can Do To Minimize Risk for Opioid Use Disorder, Overdose and Death

# The Rapidly Changing Landscape of the Opioid Mortality Crisis in 2017

## Six Days of Drug Overdose: Cincinnati



- In a six day period (August 19-24, 2016) Cincinnati area experienced 174 opioid overdose reactions.
- The culprit responsible was heroin cut with a fentanyl analogue: Carfentanyl.
- Carfentanyl is 10,000 times as potent as morphine.
- Carfentanyl is used to tranquilize elephants.

https://www.washingtonpost.com/news/morning-mix/wp/2016/08/29/this-is-unprecedented-174-heroin-overdoses-in-6-days-in-cincinnati/?utm term=.c8e4154fc9e6

### Carfentanyl Deaths in Michigan

- First documented carfentanyl overdose seen in Kent County
- October 6, 2016

  19 confirmed
  carfentanyl overdose
  deaths in Wayne County
  since July



http://www.michigan.gov/mdhhs/0,5885,7-339--393468--,00.html http://www.michigan.gov/mdhhs/0,5885,7-339--395078--,00.html

### U-47700 Death in Michigan

- October 5, 2016 First documented U47700 (aka, pink) overdose seen in White Lake, MI
- The then legal drug was purchased over the internet and shipped from China



It was designated as a Schedule I restricted drug in November, 2016

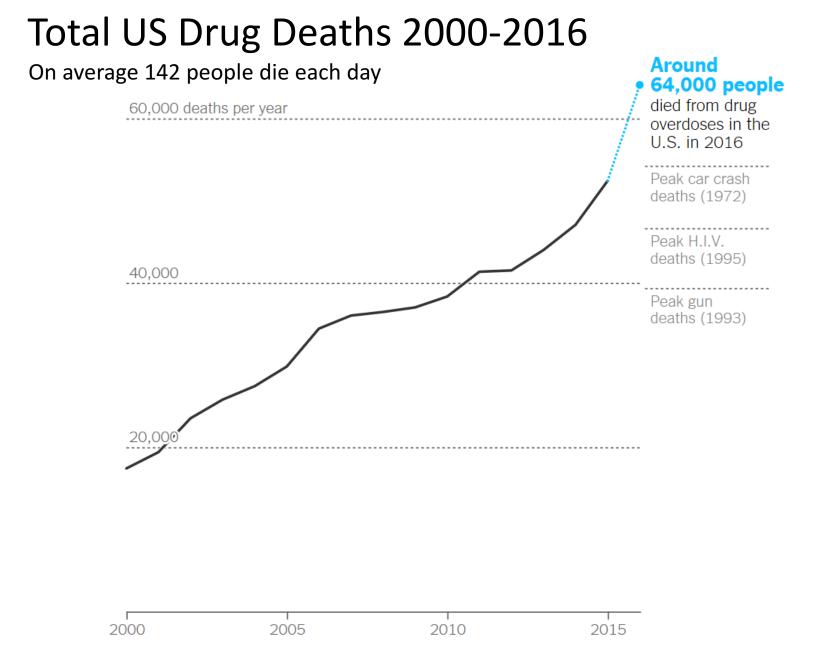
http://www.cnn.com/2016/11/01/health/u-47700-pink-drug/index.html

## Grey Death in GA, FL, OH and WV

- May 4, 2017 Gray Death is a combination of several powerful substances such as Heroin, Fentanyl, Carfentanil and a synthetic opioid called U-47700
- The drug has the appearance of a concrete rock. It is chunky and solid, created from compressed and cooked powder
- At least 50 people have reportedly overdosed, some dying after their first dose of the drug

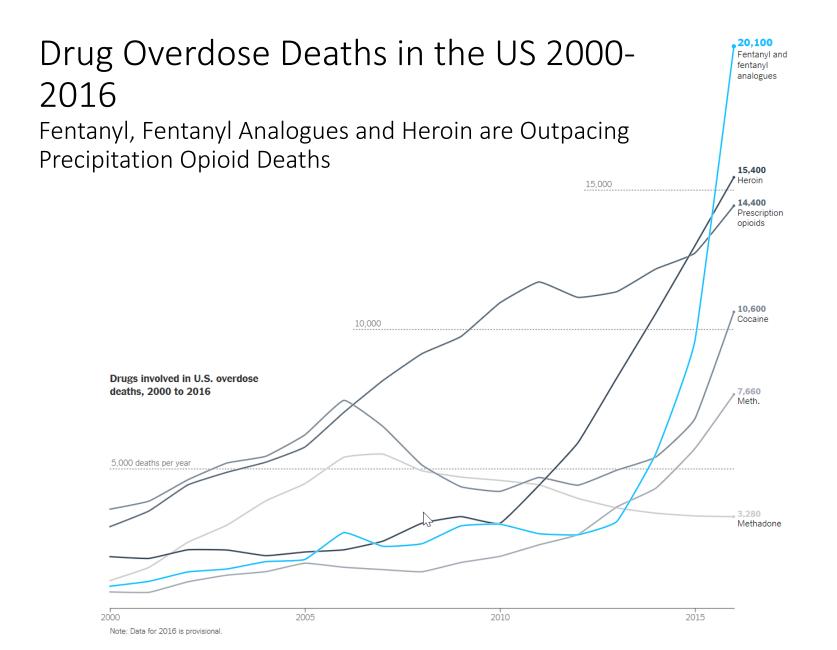


http://www.cbsnews.com/news/gray-death-opioid-dangerous-drug-combination/



https://www.nytimes.com/interactive/2017/09/02/upshot/fentanyl-drug-overdose-deaths.html? r=0

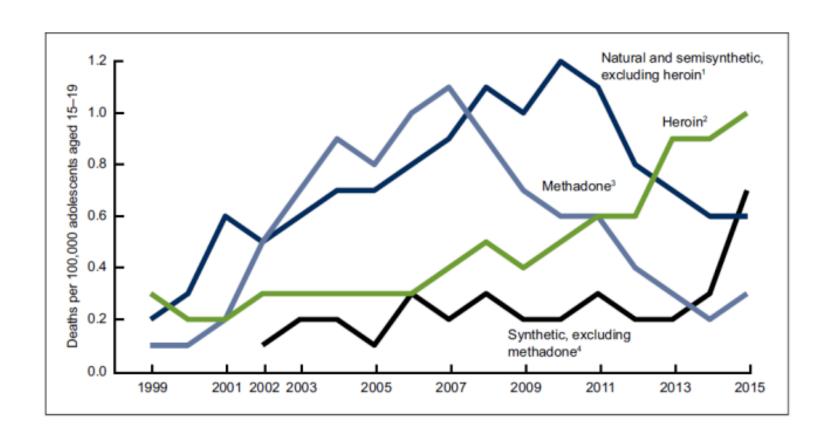
Adapted from CDC • National Center for Health Statistics • National Vital Statistics System as of 8/16/17



https://www.nytimes.com/interactive/2017/09/02/upshot/fentanyl-drug-overdose-deaths.html?\_r=0

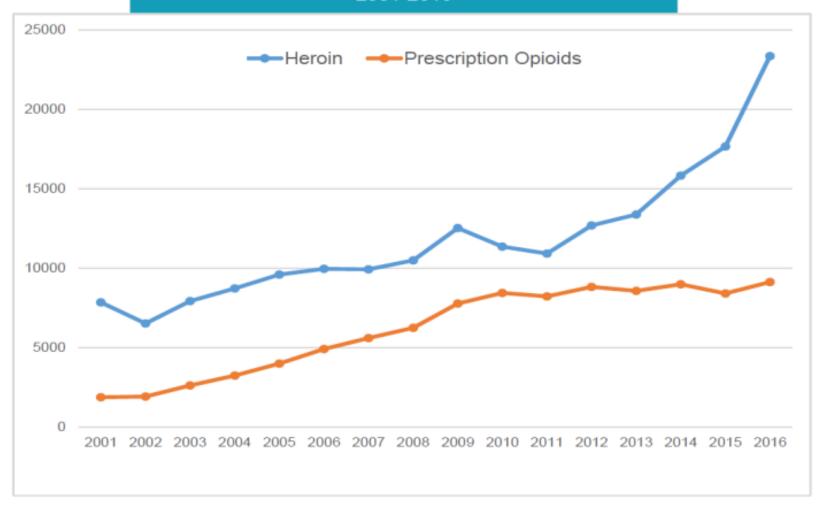
Adapted from CDC • National Center for Health Statistics • National Vital Statistics System as of 8/16/17

### Among Opioids, Rates of Drug Overdose Deaths Among Adolescents Aged 15–19 in 2015 Were Highest for Heroin

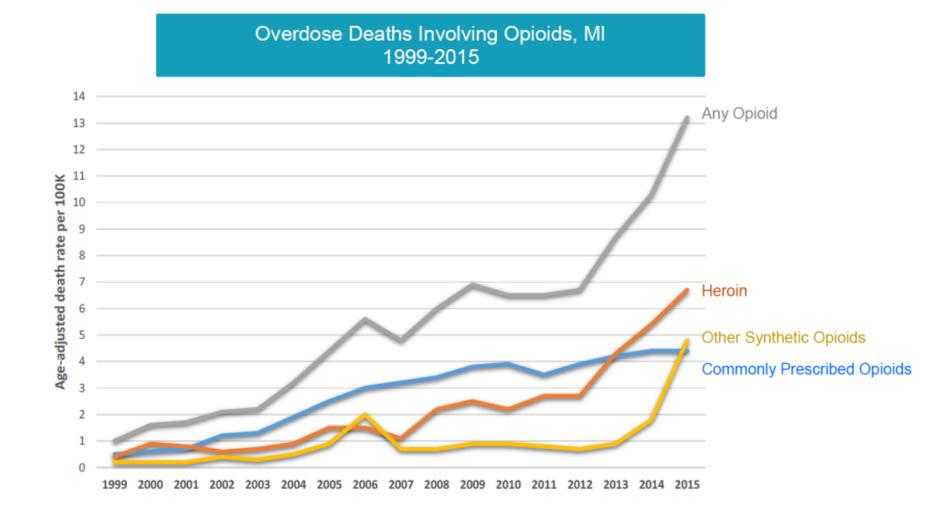




### Number of Primary Opioids Treatment Admissions, MI 2001-2016

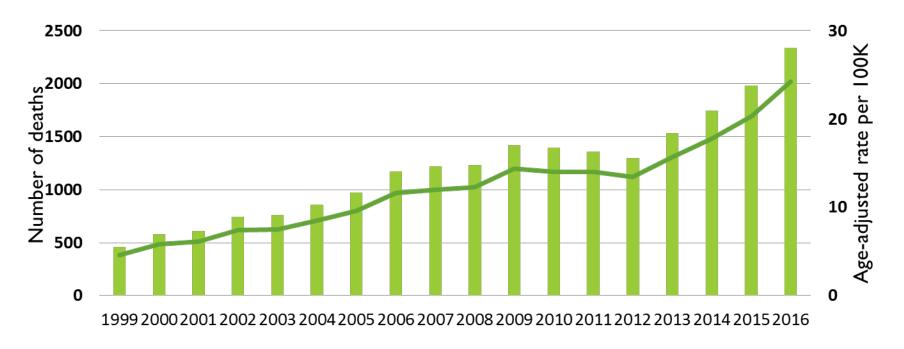








### Total Drug Poisoning Deaths in MI, 1999-2016\*



Source: Michigan Death Certificates, Division for Vital Records and Health Statistics/MDHHS

\*2016 is provisional, total is expected to change.



# Data Summary

Indicator	2011	2016
All drug deaths	1,359	2,335*
All opioid deaths	622	1,689*
Opioid prescriptions	10,441,714	11,028,495
Neonatal abstinence syndrome cases	630	927**
People in substance use disorder treatment for opioids or heroin	22,234	32,473

<sup>\*</sup>Provisional Data

<sup>\*\* 2015</sup> Data



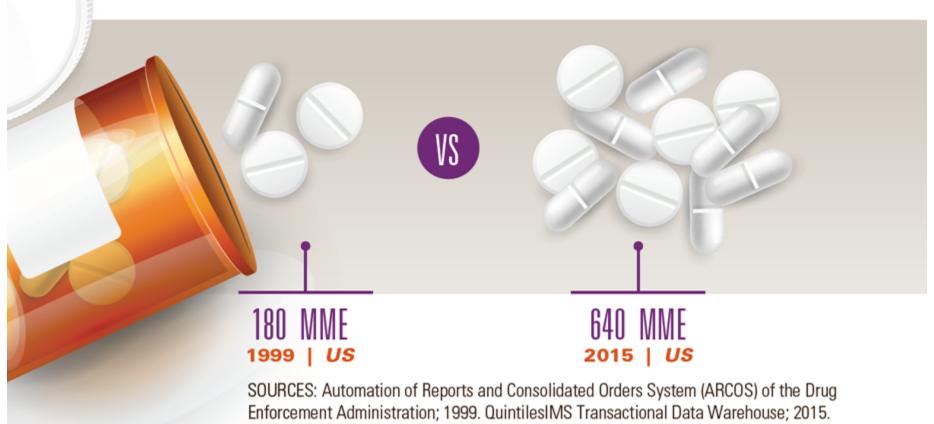
# Estimated Population Using Prescription Opioids in Michigan in 2016

# 1/3 of the Population Has Some Form of Pain 1/6 of the Population Took an Opioid

Prescriptions	Medicaid (Actual)	Commercial and No-Insurance (Estimated)	Total (Estimated)
30 Days	402,154	1,206,462	1,608,616
90 Days	115,841	347,523	463,364
365 Days	21,847	65,541	87,388

### When the Prescription Is the Problem

The amount of opioids prescribed per person was three times higher in 2015 than in 1999.\*



<sup>\*</sup>In 2010, the rate was 4x higher than 1999

### Changes in Opioid Prescribing in the Michigan, 2010-15

(Excerpted From a National Report from the CDC)

MMEs prescribed per capita (2015)



957.9-5,543.0

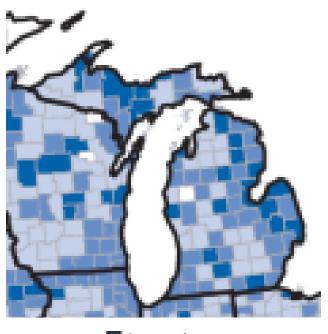
677.2-957.8

453.6-677.1

0.1-453.5

Insufficient data

Change in MMEs prescribed per capita (2010–2015)



Increased

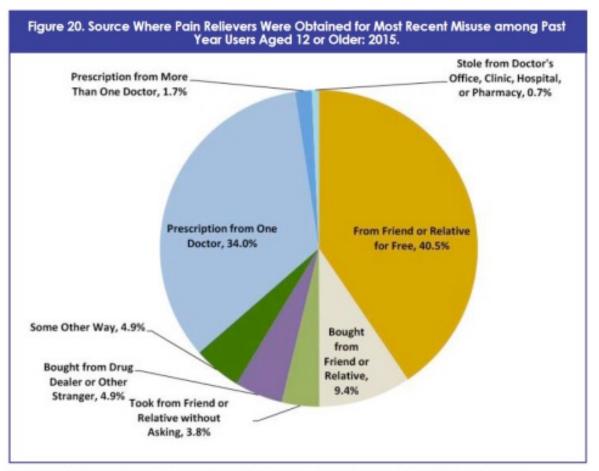
Stable

Decreased

Insufficient data

# Data From Drug Users Responding to the DEA NDTA Survey – 2/3 of Prescription Opioids Were Obtained For Free, Bought or Stolen

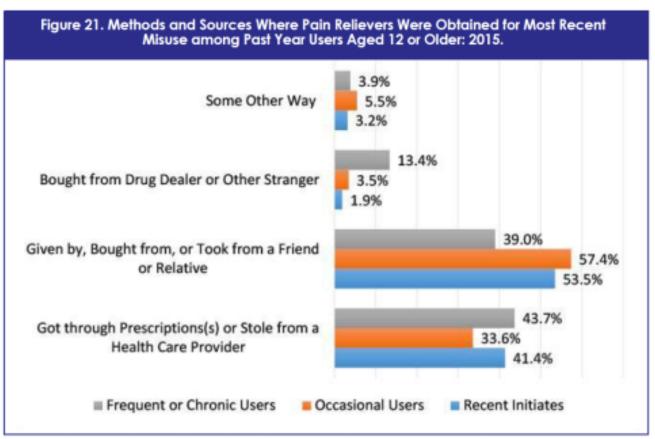
- Much of This Use Started for Recreational and Not Medicinal Purposes
- Once Prescribed, Distribution is Largely Out of Prescribers' Hands



Source: Substance Abuse and Mental Health Services Administration, National Survey on Drug Use and Health (NSDUH)

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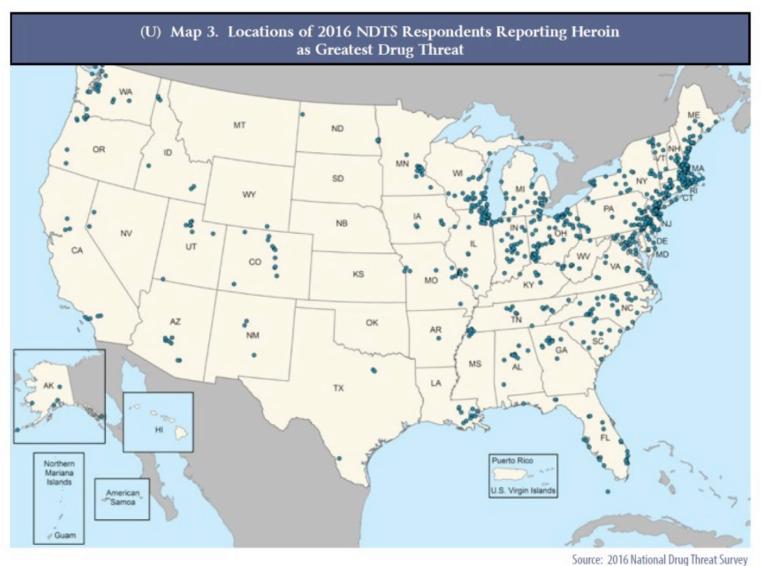
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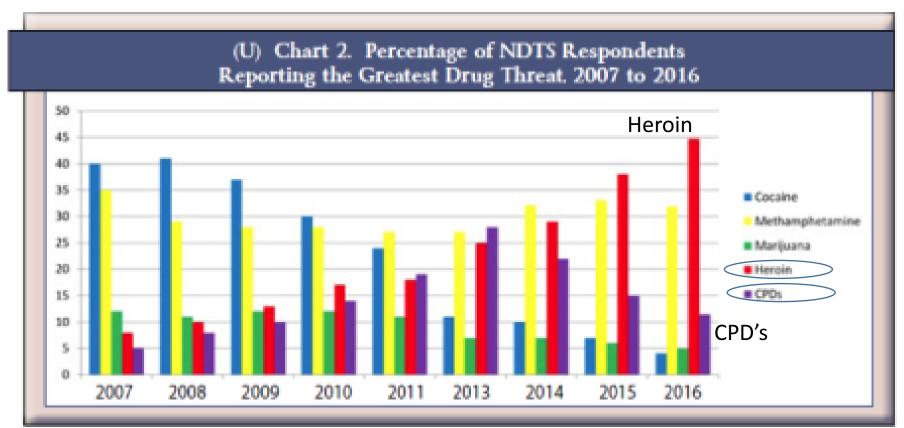
Source: Substance Abuse and Mental Health Services Administration, National Survey on Drug Use and Health (NSDUH)

### When Heroin is the Problem

The National Heroin Threat is the Greatest in the Northeast Corridor and the Midwest



In 2015-16 – Heroin Became the Greatest National Threat As the Controlled Prescription Drug (CPD) Threat Diminished



Source: National Drug Threat Survey

# When Fentanyl Analogues Are the Problem — Overdose Deaths in Ohio, January—February 2017

## The Cause For Many Overdose Deaths Cannot Be Determined When Synthetic Opioids Are Not Measured

#### Summary

#### What is already known about this topic?

Illicitly manufactured fentanyl has become a significant contributor to unintentional overdose deaths in the United States.

#### What is added by this report?

Approximately 90% of unintentional overdose deaths examined in 24 Ohio counties that occurred during January–February 2017 involved fentanyl, fentanyl analogs, or both, whereas heroin was identified in the minority (6%) of cases, with somewhat higher prevalence in Appalachian counties. Fentanyl is commonly appearing in combination with other analogs.

#### What are the implications for public health practice?

These findings highlight the urgent need to make illicitly manufactured fentanyl testing a part of standard toxicology panels for biological specimens. Because multiple naloxone doses are often required to reverse overdoses from illicitly manufactured fentanyl, assuring that sufficient supplies are provided to first responders and distributed through community overdose prevention programs can mitigate the effects of opioid overdoses.

Synthetic opioids/Fentanyl analogs/Metabolites	
Fentanyl	253 (90.0)
Norfentanyl	157 (55.9)
Acryl fentanyl	136 (48.4)
Despropionylfentanyl (4-ANPP)	118 (42.0)
Despropionyl para-Fluorofentanyl	1 (0.4)
Furanyl Fentanyl	87 (31.0)
Furanyl Norfentanyl	2 (0.7)
Carfentanil	21 (7.5)
Acetyl fentanyl	4 (1.4)
Butyryl/Isobutyrylfentanyl	4 (1.4)
Butyryl norfentanyl	2 (0.7)
Fluorobutyryl/Fluoroisobutyrylfentanyl	3 (1.1)
U-47700 <sup>†</sup>	2 (0.7)

259 (92.2)

Any type of fentanyl/analog



# An Overview of the Evolving MDHHS Strategy to Combat the Crisis

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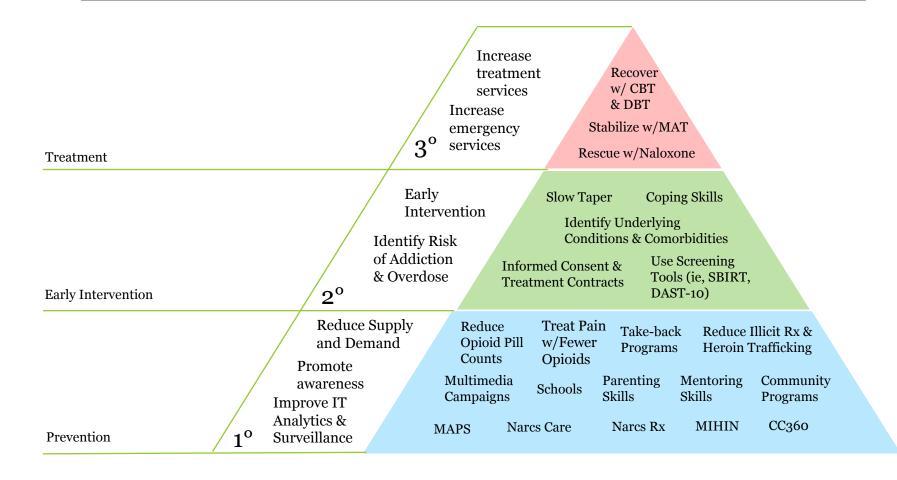
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# MDHHS Public Health Strategic Framework to the Opioid Crisis



# The Evolving Strategy is Designed to Embrace All Stakeholder Groups to Help Individuals and the Entire Population



### Individual Health

MDHHS

LARA

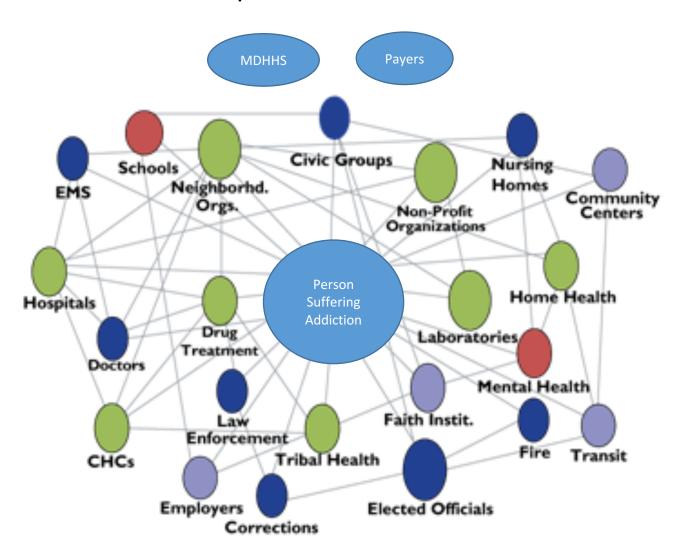
Department of Education

**Payers** 

Health Plans & Hospitals Law Enforcement & Courts Communities (PTA's, Head Start, Faith Based Programs)

**Population Health** 

### A Person Centered Community-based Action Plan Requires All Stakeholders





# Funding Sources

- Medicaid
- Healthy Michigan
- Substance Abuse and Mental Health Services Administration (SAMHSA) Block Grant
- General Fund
- Other grants
  - State Targeted Response (STR)
  - Centers for Disease Control (CDC)
  - •1115 Waiver (Pending)



# Services Funded by Medicaid

### Services funded include:

- Medication Assisted Treatment
- Detoxification
- Outpatient Services
- Case Management



# Medicaid & Healthy Michigan

 Medicaid paid over \$41 million in substance use disorder services providing services to 31,101 beneficiaries in fiscal year 2016

•Healthy Michigan paid over \$53 million in substance use disorder services providing services to 28,850 beneficiaries in fiscal year 2016

# michigan.gov/stopoverdoses

MDHHS / KEEPING MICHIGAN HEALTHY / BEHAVIORAL HEALTH & DEVELOPMENTAL DISABILITY / BH RECOVERY & SUBSTANCE USE /

**Opioids** 

Patients & Families

**Prescribers** 

**Pharmacists** 

**Community Resources** 



### Information for Patients and Families

Michigan has taken action to prevent prescription drug and opioid abuse deaths and increase access to treatment for people addicted to drugs. This section provides helpful information if you or someone you know may have a substance use disorder.

Michigan's Good Samaritan Law

Medication-Assisted Treatment (MAT)

Naloxone

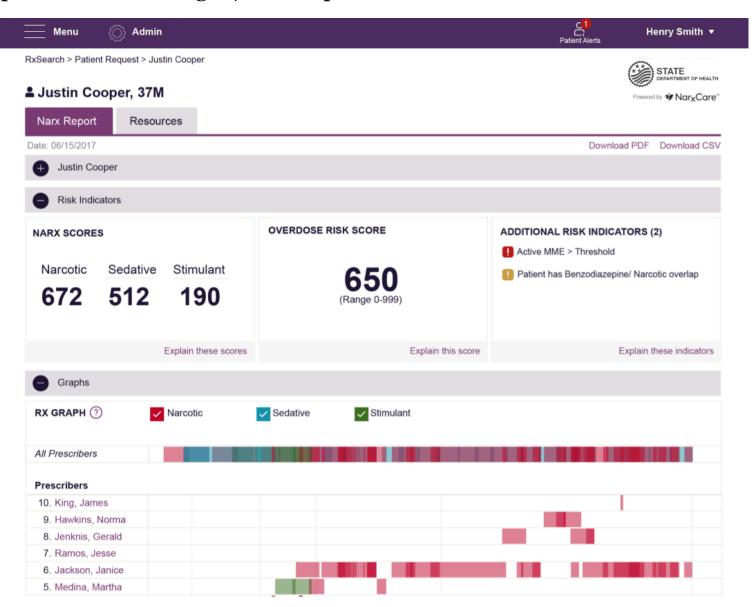
Pharmacies Approved to Dispense Naloxone

Treatment Resources

TOGETHER WE CAN STOP THE EPIDEMIC.



### Latest Improvement Starting 11/1 - Sample Risk Score for the Electronic Health Record



Preserving and Expanding Our Provider Workforce By Creating a Learning Health System Approach to Improve Provider Expertise

# Creating a Learning Health System Approach to Improve Provider Expertise

- Providers are core to helping address the crisis
  - there is variability in expertise and numbers who are able and willing to participate
- The provider work force is very willing to improve practice patterns based on evidence-based recommendations, but needs assistance
- There is a high need to rapidly reorient providers to responsibly manage opioids
  - when and how to start and stop opioids
  - how to identify risk for addictive behaviors
  - how to identify risk for overdose
  - how to best assist patients when these risk behaviors occur
- The core principle is to embrace a "learning health system" approach utilizing real world data sources to apply "teachable moments"
- $\bullet$  This concept is adapted from the transformational work and research of Peter Senge and his colleagues.  $^{[1]}$ 
  - a learning organization facilitates the ongoing learning of its members and continuously transforms itself

# Taking a Collaborative Approach in Embracing A Learning Health System

- Professional Societies
  - MOA
  - MSMS
  - MISAM
  - MPS
  - MAFP
  - MDA
  - MAPA
  - MCNP
  - MHA
- Payers
  - MAHP
  - Blue Cross Blue Shield of MI
  - Other Commercial

- Professional Degree Programs
  - MD (Underway)
  - DO (Underway)
  - PA (Planned)
  - NP (Planned)
  - DDS (Planned)
  - DPM (Planned)
  - DVM (Planned)
  - PharmD (Planned)

# PROVIDER COLLABORATION - JOINT 10-POINT PLAN TO COMBAT THE OPOID MORTALITY CRISIS

- 1. Develop and disseminate a clearly defined and actionable overarching state specific guideline through the Michigan Quality Improvement Consortium (MQIC) that incorporates the 2016 CDC Pain Guidelines, the ASAM Addiction Guidelines, other evidence based best practices and utilization of key data sources that help drive clinical decision making such as MAPS and the soon to be released NarxCare risk scoring tools that can be embedded in the individual electronic medical record.
- 2. Develop and teach to a Uniform Core Evidence-based Opioid Curriculum through professional schools, professional societies, hospitals and health plans
  - a. When and how to sparingly initiate opioids including limiting quantities for acute pain management
  - b. When and how to determine whether or not an opioid should be continued
  - c. When and how to taper and taper opioids as rapidly as possible
  - d. How to monitor for opioid tolerance, dependence and addiction and either treat or refer early if indicated
  - e. How to appropriately document in the medical record the rationale and treatment course of using opioids
- 3. Develop Referral Centers of Excellence & Telemedicine Consultation Call Centers to assist providers manage complex pain and addiction cases
- 4. Leverage MAPS and NarxCare Risk Index Scores to drive point of care decisions
- 5. Develop a Peer Review Process to assist providers who are outliers in prescribing behavior
- 6. Develop opioid-related quality metrics that reward providers for delivering high quality standard of care
- 7. Support Managed Care and Pharmacy Specific Programs to control high doses and quantities of prescription opioids and require justification if they are required
  - a. Pharmacy Prior Authorization process
  - b. Drug Utilization Review
  - c. Medication Therapy Management (MTM) by pharmacists at the Point of Sale (POS)
  - d. Beneficiary Monitoring Program (BMP) lock-inn programs
- 8. Support community based education programs to prevent inappropriate drug use in the first place and eliminate cultural mores that promote atypical drug behavior
- 9. Work closely with law enforcement to eliminate illicit drugs from our communities, fully noting that illicitly trafficked heroin and fentanyl analogues are now outpacing prescription opioid related deaths in 2015-2017
- 10. Support efforts to improve surveillance and detection of opioid related deaths including improved toxicology screening for previously undetectable fentanyl analogues

# What You, the Provider, Can Do To Minimize Risk for Opioid Use Disorder, Overdose and Death

### Promising actions for safer opioid prescribing.





Problem: High prescribing

**Solution:** Safer prescribing practices



#### Problem: Too many prescriptions



In 2015, the amount of opioids prescribed was enough for every American to be medicated around the clock for 3 weeks.

(640 MME per person, which equals 5 mg of hydrocodone every 4 hours)



### Solution:

Fewer prescriptions

Use opioids only when benefits are likely to outweigh risks. Options other than opioids include:

- Pain medicines like acetaminophen, ibuprofen, and naproxen
- Physical therapy and exercise
- Cognitive behavioral therapy

Therapies that don't involve opioids may work better and have fewer risks and side effects.



#### Problem: Too many days



Even at low doses, taking an opioid for more than 3 months increases the risk of addiction by 15 times

Average days supply per prescription increased from 2006 to 2015.



### **Solution:** Fewer days

For acute pain, prescriptions should only be for the expected duration of pain severe enough to need opioids. Three days or less is often enough; more than seven days is rarely needed.





#### Problem: Too high a dose



A dose of 50 MME or more per day doubles the risk of opioid overdose death, compared to 20 MME or less per day. At 90 MME or more, the risk increases 10 times.

Average daily MME per prescription declined both nationwide and in most counties, but it is still too high.

### 20 MN

#### Solution: Lower doses

Use the lowest effective dose of immediate-release opioids when starting, and reassess benefits and risks when considering dose increases.

Avoid a daily dose of 90 MME or more. If already taking high doses, offer the opportunity to gradually taper to safer doses.

For more recommendations when considering opioids for chronic pain outside of end-of-life care, see the **CDC Guideline for Prescribing Opioids for Chronic Pain**. The **Guideline** can also be used to inform health systems, states, and insurers to ensure appropriate prescribing and improve care for all people.

www.cdc.gov/drugoverdose/prescribing/guideline.html

### Other Non-opioid Pain Management Strategies Including Cross-functional Team Approaches

- Osteopathic and Chiropractic Manual Medicine
- 2. Epidural and Facet Blocks (for spinal pain)
- 3. Radiofrequency Ablation
- 4. Complex Regional Pain Syndrome Techniques
- Meditation and Yoga Techniques

# What Else Can You Do to Prevent Addiction, Overdose and Death – Starting On Monday

- 1. Stay abreast with the constantly evolving facts that uncover the root causes the Opioid Epidemic
- 2. Remember Opioid Tolerance Starts Somewhere Between 3-7 days
- 3. Don't Abandon Patients with Life-altering Pain or Force Patients Taking Long Term Opioids to the Street
- 4. Take a Team-based approach and Don't Go it Alone Surgery, Rehabilitation Medicince, Pain Management, Addiction Management, Behavioral Health
- 5. Start Conversations at the First Day of Prescribing Opioids and Continue Them with Patients To Discuss That Opioids Need to Be Stopped As Soon As Possible
- 6. Monitor and Screen for Tolerance, Dependence, Addiction and Risk for Overdose and Death
- 7. Learn How to Appropriately Taper Existing Opioids and Determine If An Underlying Opioid Use Disorder (OUD) Exists
- 8. Utilize Patient Contracts That Include Meaningful Informed Consent
- 9. Use MAPS Frequently To Detect Patterns of Misuse or Abuse and Ensure Both Coordination & Continuity of Care with Other Providers
- 10. Use Urine Drug Screens to Check for Compliance and Potential Illicit Drug Use
- 11. Treat or Refer Early
- 12. Write for naloxone to patients who are at high risk for overdose
- 13. Obtain a xDEA waiver to help stabilize patients with Opioid Use Disorder (Regardless of the Reason)
- 14. Get Involved with Your Community to Stop Cultural Expectations That Encourage Illicit Drug Use
- 15. Work Through Your Professional Societies and Personally Talk to Your Legislators and Regulators to Share Your Experiences and What They Can Do to Help You

## Summary

- The root causes for the opioid epidemic are complex and multifactorial
- It is imperative to shrink supply and demand for both prescription opioids and heroin/fentanyl analogues
- A well organized state-wide plan is necessary to avoid abandoning patients with "true" pain and also not send people to the street for heroin and synthetic opioids
- Focusing only on prescription opioids without simultaneously addressing "heroin and fentanyl trafficking" will dramatically shrink probability of success
- Most of all it will "take a village" "every village" here in Michigan

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