

# Michigan EMS Opioid Response & MODA Project

Michigan Overdose Data to Action

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Bureau of EMS, Trauma, & Preparedness



# Michigan Overdose Data to Action

## EMS Programs

- Data
- Community Paramedic follow-up programs
- QRT EMS integrated follow-up programs
- EMS Naloxone Leave Behind
- OUD and Stigma education outreach

## MDHHS Collaboration

- Epidemiology Surveillance
- Overdose Fatality Review
- QRT programs
- Strategy and Planning

# Michigan EMS System

83 Counties

59 Medical  
Control  
Authorities  
(MCA)

10 million  
population

Wayne  
1.8m  
  
Keweenaw  
2,100

807 EMS  
Agencies

Non-Transport  
526  
Transport 281

29,000 Licensed  
providers

MFR  
EMT  
AEMT  
Paramedic



# Michigan EMS Data

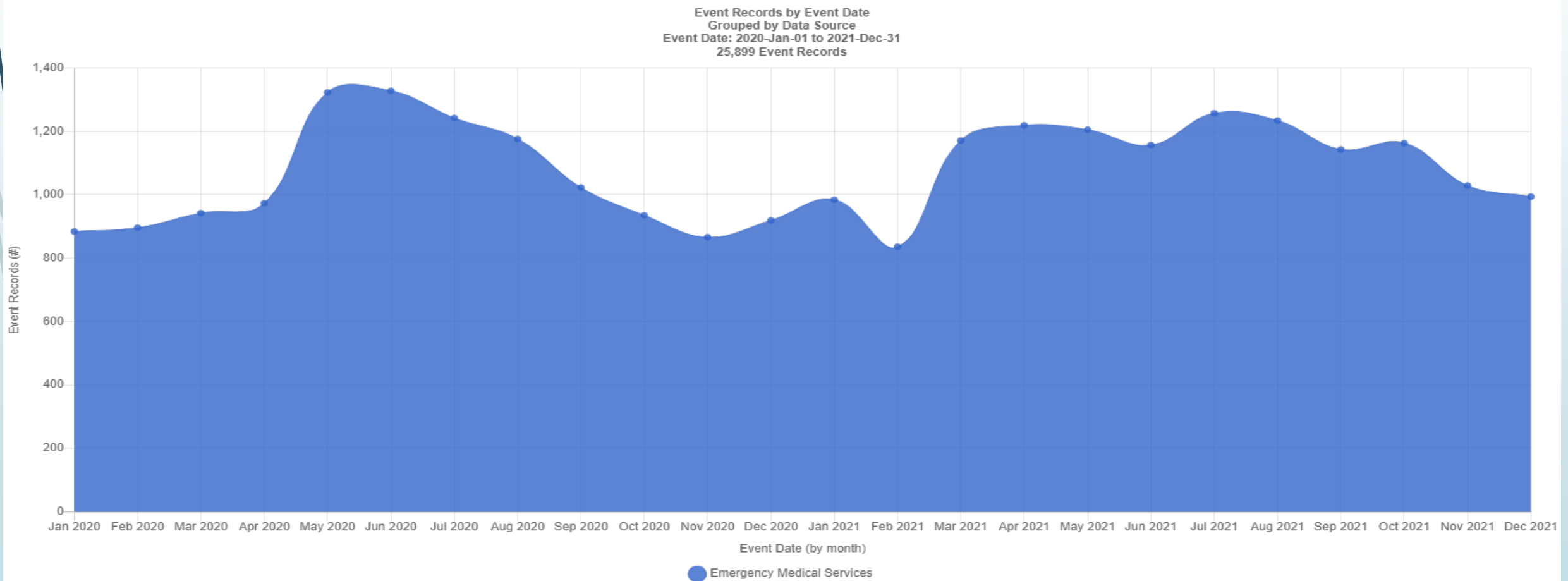
- Required for all agencies transport and non-transport
- Due by 15<sup>th</sup> of the following month
  - Most agencies are near real time or daily
    - 72.4% within 24 hours
    - 18.63% 2-7 days
    - 5.07% 8-30 days
    - 3.86% >30 days
  - 17 different ePCR vendors
- All data submitted to MiEMSIS and to Biospatial
  - MI definition used in Biospatial
    - Some false positives with other pathologies ie: diabetics, other AMS, cardiac arrest



# Michigan Overdose Data

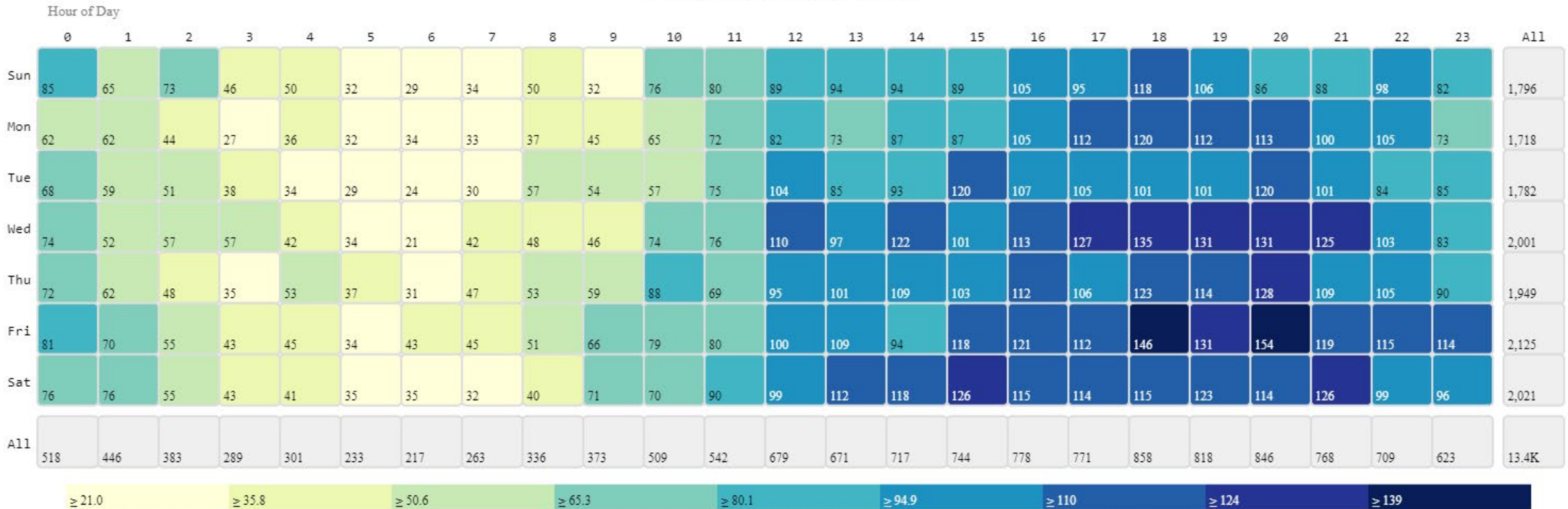
- 2021 EMS Reported Non-Fatal Opiate Overdoses
  - 13,392 cases
  - All 83 Counties reported at least 1 overdose
  - 9,943 patients received Naloxone (74%)
  - 87% of cases transported to ED

# Monthly Trends 2020 & 2021

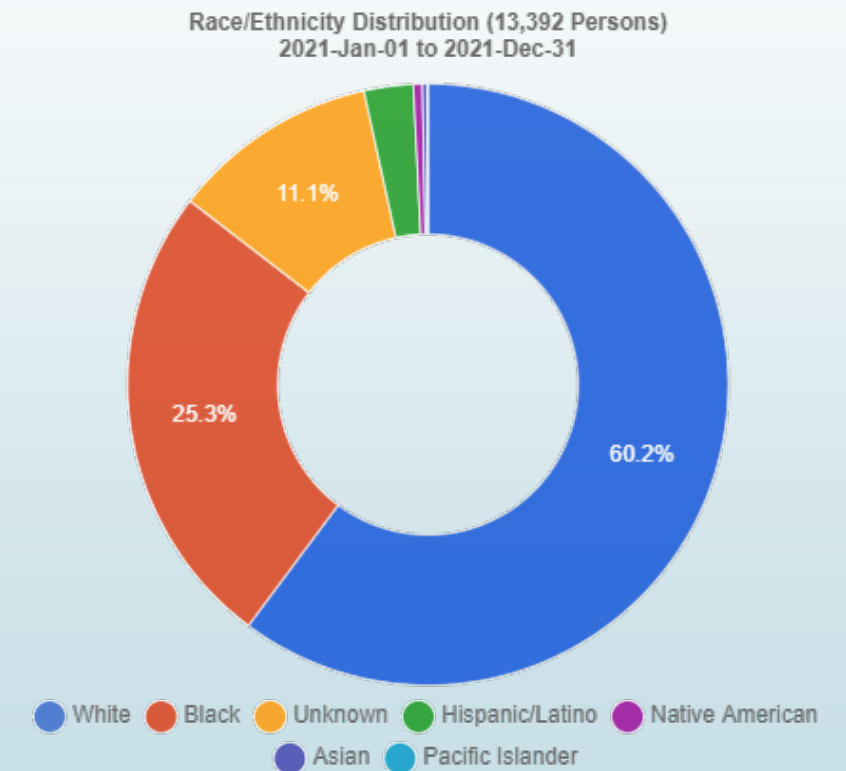
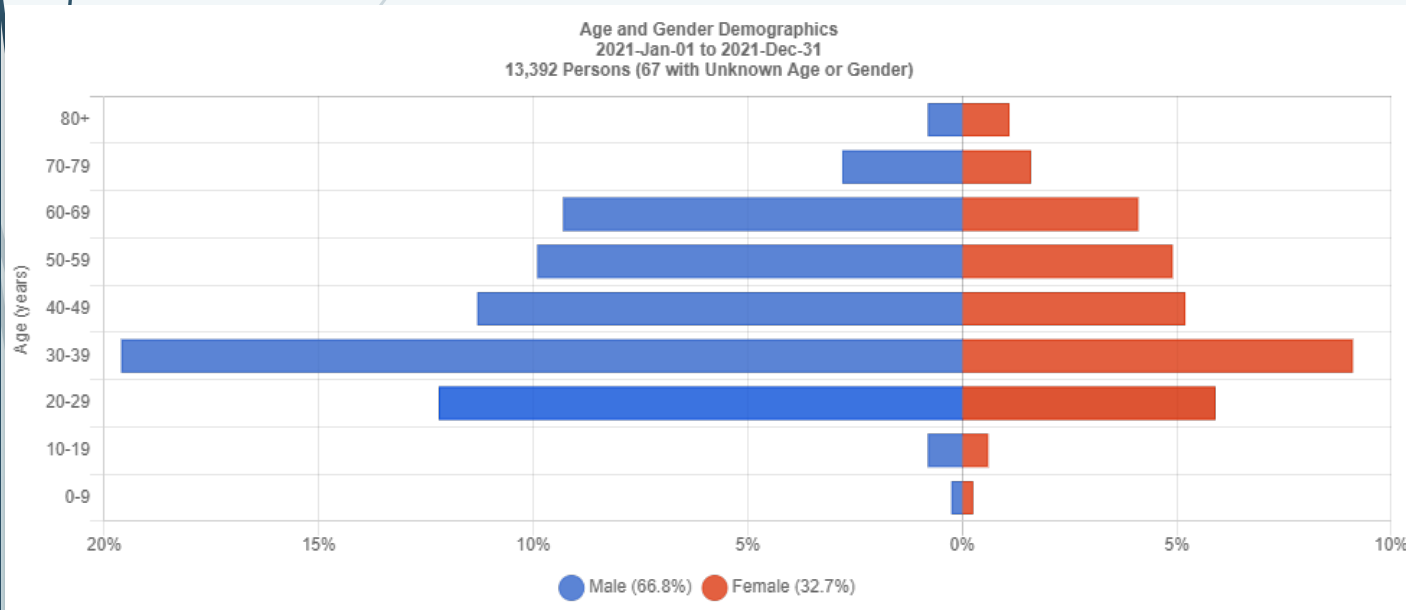


# Days & Times

Suspected Overdoses by Day and Hour (Total Count)  
Event Local Date: 2021-Jan-01 to 2021-Dec-31



# Age & Racial Demographics







# MODA Dashboard

- Public Facing data dashboard
  - ED & EMS data
  - Disparities
  - Naloxone portal order requests
  - MAPS
  - Buprenorphine & SUD Treatment
  - Suspected overdose deaths
- <https://www.michigan.gov/opioids/0,9238,7-377-94655---,00.html>

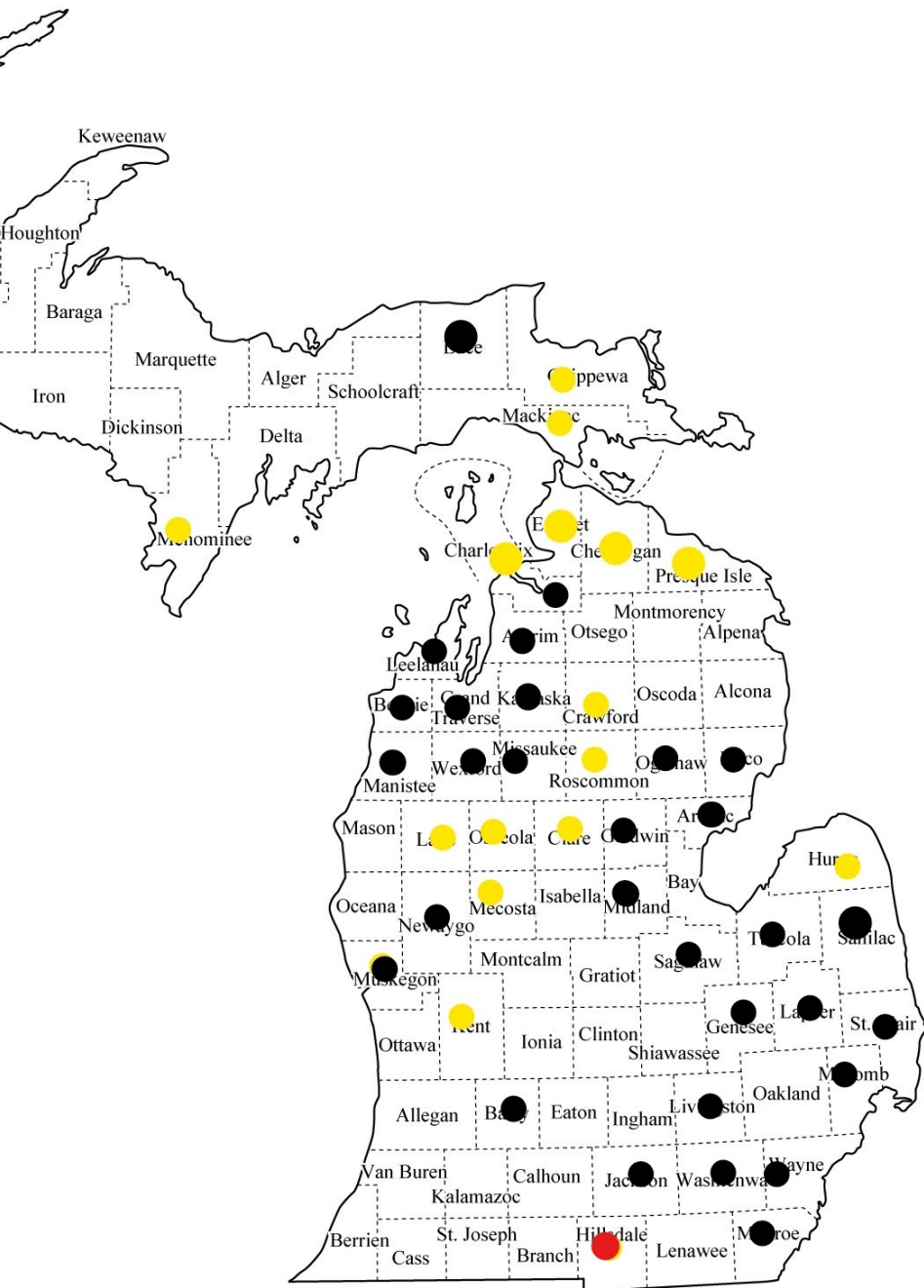


# Epidemiology Surveillance

- Data surveillance trends
- Alerts for EMS, MCA's, local health departments, etc.
- Noticeable trends
  - Increased opiate overdoses with cocaine & methamphetamines
  - Multiple patient overdose incidents

# EMS Harm Reduction Strategies

- Naloxone Leave Behind Program
- Community Paramedic follow-up programs
- QRT EMS integrated follow-up programs



# Leave Behind Naloxone

- Yellow – Has considered / discussed
- Black – Adopted
- Red – MCA voted to not adopt

# The Protocol

- Indications
  - MCA Optional
  - Patient >18
  - Received naloxone and improved
  - Has an OUD
- Does not preclude other treatment protocols or transport to ED



Initial Date:  
Revised Date:

## Michigan PROCEDURES

### Naloxone Leave Behind Protocol (Optional)

Section 7-x

#### ***Naloxone Leave Behind Protocol (Optional)***

##### **MCA Selection for Naloxone Leave Behind Protocol**

☐ MFR   ☐ EMT   ☐ EMT/S   ☐ Paramedic

#### I. Indications

- A. Patients over age 18 who have received naloxone **and** had improvement in condition
- B. Patients over age 18 with opioid use disorder

**\*NOTE:** Providing a naloxone kit does not preclude other treatment protocols nor the need for transportation to an emergency department. Oxygenation, ventilation, and then restoration of a patient's respiratory drive are the primary goals. Transport to an emergency department is preferred.

#### II. Procedure

# The Procedure

- Not appropriate if
  - Altered mental status
  - Intentional OD
  - Suicidal/homicidal or self-harm ideations
- If Transported
  - can be provided to friends/family
  - Can provide to patient at the hospital
- If transport refused
  - Contact Med Control



Initial Date:  
Revised Date:

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# Documentation

- Procedure:
- SNOMED code: 718021000
  - General: Education about Leave Behind Naloxone for Opiate Overdose Intervention
- ePCR vendors need to add for providers to access

**Procedure**

Date/Time Procedure Performed:

Procedure Performed Prior to this Units EMS Care:

Procedure Crew Members ID:

Role/Type of Person Performing the Procedure:

Procedure:   General: Education about Leave Behind Naloxone for Opiate Overdose Intervention

Size of Procedure Equipment:

Number of Procedure Attempts:

Procedure Successful:

Procedure Complication:  Find a Value...

# Challenges

- Stigma
- ePCR Documentation compliance
- Staffing



# Contact Information

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