Too Close for Comfort ~
Michigan Trends and Awareness

Michigan State Police
Prescription Opioids & Heroin: Perception is Reality

- Less than 4% of prescription opioid abusers transitioned to heroin within 5 years
- More than 75% of heroin users started on prescription medication
- In the 1960’s, 80% of heroin addicts seeking treatment reported they started on heroin

So what does this mean??
This means if you are addicted to heroin in 2017, you started after using someone’s prescription medication.....

It also means that not all prescription medication abusers make a leap to heroin.

But in the end....when a loved one struggles with an opioid addiction, does it matter if the chicken or the egg came first??
Jackson County: A micro view
Jackson County Drug Abuse Deaths: 1st Quarter Comparisons

2016 Deaths:
- 14 Total Deaths
- 7 Heroin / Fentanyl
- 4 Opiate Related
- 3 Cocaine
- 27-59 yoa

2017 Deaths:
- 23 Total Deaths
- 13 Heroin / Fentanyl
- 5 Opiate Related
- 5 Cocaine, Meth, & Alcohol
- 25-63 yoa

2016 Deaths:
- 21% Heroin/Fentanyl
- 29% Opiate Related
- 50% Cocaine

2017 Deaths:
- 22% Heroin/Fentanyl
- 22% Opiate Related
- 57% Coke, Meth, & Alcohol
Michigan: A macro view
Michigan Overdoses

- In Michigan from 2009 to 2012: The average age-adjusted unintentional or undetermined intent drug poisoning death rate was 12.3 per 100,000 Michigan residents.

- In 2015 the rate increased to 20.4 per 100,000 Michigan residents, ranking us 15th highest in the country.
Safety and Precautions

Michigan opioid/heroin deaths compared to gun and traffic fatalities, 2006-15
Michigan Painkiller Prescriptions

Health care providers in different states prescribe at different levels.

Number of painkiller prescriptions per 100 people

Lowest

AZ 82
NE 79
WA 77
ND 75
TX 74
IA 73
CT 72
CO 71
WY 70
VT 67
AK 65
NJ 63
NY 60
HI 52
CA 57

Average

NC 97
WI 78
MD 74
NM 74
VA 77
NV 94
NH 72
MA 71
IL 68
SD 66
ME 85
HI 52
NY 60
NJ 63

Highest

SC 102
OH 100
MO 95
KS 94
GA 91
PA 88
CT 72
OR 89
DC 86
ID 86
MS 120
AR 116
LA 118
MI 107
IN 109
AL 149
WV 138
TN 143
OK 128
KY 128

State Abbreviation

GA 91
Number of painkiller prescriptions per 100 people

SOURCE: IMS, National Prescription Audit (NPATM), 2012.
Michigan Opioid Prescriptions

The Michigan Automated Prescription System (MAPS) reported over 21 million prescriptions written for controlled substances in 2016.

Hydrocodone remains the highest prescribed drugs since the creation of MAPS in 2003, accounting for 16.7% of all prescriptions in 2016.
Behind the numbers of hydrocodone

- 3.5 million scripts written = 358,073,592 units
- Michigan population = 9.923 million
- 36 pills per person or 35% of Michigan’s population received a script
- 16% of all prescriptions written out of 1,105 different prescribed controlled substances
Michigan’s Future
What teens and young adults in Michigan are commonly abusing:

- Marijuana
- Hallucinogens (Acid, Mushrooms, Peyote)
- Molly/MDMA (Ecstasy)
- Prescription medication
- Heroin
- E-cigarettes with marijuana blots/dabs in them (no smell/little residue)

Source: Michigan State Police
But it’s just marihuana....

More than 9 in 10 people who used heroin also used at least one other drug.

45% of people who used heroin were also addicted to prescription pain killers.

Heroin used has more than doubled among young adults ages 18-25 in the past decade.

But is it really???
Heroin use is part of a larger substance abuse problem.

Nearly all people who used heroin also used at least 1 other drug.

Most used at least 3 other drugs.

Heroin is a highly addictive opioid drug with a high risk of overdose and death for users.

People who are addicted to...

- Alcohol are 2x more likely to be addicted to heroin.
- Marijuana are 3x more likely to be addicted to heroin.
- Cocaine are 15x more likely to be addicted to heroin.
- Rx Opioid Painkillers are 40x more likely to be addicted to heroin.

Adolescent Exposure

Who is most at risk of heroin addiction?
- People who are addicted to prescription opioid painkillers
- People who are addicted to cocaine
- People without insurance or enrolled in Medicaid
- Non-Hispanic whites
- Males
- People who are addicted to marijuana and alcohol
- People living in a large metropolitan area
- 18 to 25 year olds
Heroin Use Has INCREASED Among Most Demographic Groups

<table>
<thead>
<tr>
<th>SEX</th>
<th>2002-2004*</th>
<th>2011-2013*</th>
<th>% CHANGE</th>
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</thead>
<tbody>
<tr>
<td>Male</td>
<td>2.4</td>
<td>3.6</td>
<td>50%</td>
</tr>
<tr>
<td>Female</td>
<td>0.8</td>
<td>1.6</td>
<td>100%</td>
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<table>
<thead>
<tr>
<th>AGE, YEARS</th>
<th>2002-2004*</th>
<th>2011-2013*</th>
<th>% CHANGE</th>
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<tbody>
<tr>
<td>12-17</td>
<td>1.8</td>
<td>1.6</td>
<td></td>
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<tr>
<td>18-25</td>
<td>3.5</td>
<td>7.3</td>
<td>109%</td>
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<tr>
<td>26 or older</td>
<td>1.2</td>
<td>1.9</td>
<td>58%</td>
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<table>
<thead>
<tr>
<th>RACE/ETHNICITY</th>
<th>2002-2004*</th>
<th>2011-2013*</th>
<th>% CHANGE</th>
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<tbody>
<tr>
<td>Non-Hispanic white</td>
<td>1.4</td>
<td>3</td>
<td>114%</td>
</tr>
<tr>
<td>Other</td>
<td>2</td>
<td>1.7</td>
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<table>
<thead>
<tr>
<th>ANNUAL HOUSEHOLD INCOME</th>
<th>2002-2004*</th>
<th>2011-2013*</th>
<th>% CHANGE</th>
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</thead>
<tbody>
<tr>
<td>Less than $20,000</td>
<td>3.4</td>
<td>5.5</td>
<td>62%</td>
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<tr>
<td>$20,000–$49,999</td>
<td>1.3</td>
<td>2.3</td>
<td>77%</td>
</tr>
<tr>
<td>$50,000 or more</td>
<td>1</td>
<td>1.6</td>
<td>60%</td>
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<table>
<thead>
<tr>
<th>HEALTH INSURANCE COVERAGE</th>
<th>2002-2004*</th>
<th>2011-2013*</th>
<th>% CHANGE</th>
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<tbody>
<tr>
<td>None</td>
<td>4.2</td>
<td>6.7</td>
<td>60%</td>
</tr>
<tr>
<td>Medicaid</td>
<td>4.3</td>
<td>4.7</td>
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<tr>
<td>Private or other</td>
<td>0.8</td>
<td>1.3</td>
<td>63%</td>
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**Heroin Addiction and Overdose Deaths are Climbing**

Heroin-Related Overdose Deaths (per 100,000 people)

286% increase

Heroin Addiction (per 1,000 people)

Questions?