Leveraging Public Health Data

Category 5: Prescription Drug Monitoring Program (PDMP)
Category 6: Opioid Community of Practice (OCP)

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RecoverSTL

• Declared public health emergency – June 28, 2018
• Opioid Action Plan – stlouisco.com/recover
  1. Education & Prevention
  2. Harm Reduction & Rescue
  3. Treatment
  4. Recovery
  5. Public Health Data
Current Data-Related Projects

- Opioid Community of Practice (OCP)
  - Medical Examiner/Coroner data project
  - Increased toxicology capacity
- PDMP Quarterly & Annual Reports
- Public-facing dashboard
  - www.recoverSTL.com
MEDICAL EXAMINER/CORONER PROJECT
Medical Examiner/Coroner Project

- Opioid Community of Practice (OCP) Action Group
  - Goal: compare opioid-related deaths across jurisdictions, identify trends, inform practice
- Lack of standardization in opioid-related death data across jurisdictions
- Build relationships between ME/C & LPHAs
  - Under what situation(s) does the ME/C become responsible for determining cause of death?
  - Who/how is cause of death determined?
  - When are toxicology tests run?
  - What drugs are included in the routine toxicology panel?
  - Where/how are toxicology results reflected in ME/C data?
  - How can the data be analyzed and presented by LPHAs for ME/C?
  - What is the typical timeframe to certify/finalize deaths? How frequently can LPHAs receive data?
## Drug-Related Deaths, St. Louis County, 2012-2018

<table>
<thead>
<tr>
<th>Drug</th>
<th>% Change (2012-2018)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alcohol</td>
<td>9%</td>
</tr>
<tr>
<td>Benzodiazepines</td>
<td>67%</td>
</tr>
<tr>
<td>Cocaine</td>
<td>294%</td>
</tr>
<tr>
<td>Fentanyl</td>
<td>26900%</td>
</tr>
<tr>
<td>Heroin</td>
<td>46%</td>
</tr>
<tr>
<td>Methamphetamine</td>
<td>1233%</td>
</tr>
<tr>
<td>Other Opioids</td>
<td>12%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Category</th>
<th>% Change (2012-2018)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non-fentanyl opioids</td>
<td>33%</td>
</tr>
<tr>
<td>All drugs (exc. fentanyl)</td>
<td>78%</td>
</tr>
</tbody>
</table>

![Graph showing the number of drug-related deaths from 2012 to 2018 for different drugs and categories.](https://example.com/graph.png)
2018 Opioid-Related Deaths

Data from the St. Louis County Medical Examiner’s Office. Data represents all opioid-related deaths occurring in St. Louis County regardless of decedent’s residence.
PDMP ANNUAL & QUARTERLY REPORTS
Controlled Substance Dispensation Rates per 1,000 Population by Drug Type and Gender
Controlled Substance Dispensations by Payment Type

![Bar chart showing the percentage of prescriptions by payment type. The highest percentage is for Commercial Insurance, followed by Medicare, Private Pay or Uninsured, Medicaid, and Other.]
Opioid Dispensation Rates per 1,000 Population

Opioid Dispensation Rates by Patient Residence
- Higher than overall rate
- No different than overall rate
- Lower than overall rate
- No Legislation

* Rate differences based on statistical significance at α = 0.05.
** Overall rate means the rate of all jurisdictions participating in PDMP implementation cycles 1-15.
Opioid Dispensation Rates per 1,000 Population by Morphine Milligram Equivalent (MME) Category & Gender
Opioid Dispensations by Prescription Length

- <4
- 4-7
- 8-13
- 14+

Percent of Opioid Dispensations
Buprenorphine Dispensation Rates per 1,000 Population

Buprenorphine Dispensation Rates by Patient Residence

- Higher than overall rate
- Not different than overall rate
- Lower than overall rate
- No Legislation

* Rate differences based on statistical significance at \( \alpha = 0.05 \).
** Overall rate means the rate of all jurisdictions participating in PDMP implementation cycles 1-15.
Stimulant Dispensation Rates per 1,000 Population

Stimulant Dispensation Rates by Patient Residence

- Higher than overall rate
- Not different than overall rate
- Lower than overall rate
- No Legislation

* Rate differences based on statistical significance at α = 0.05.
** Overall rate means the rate of all jurisdictions participating in PDMP implementation cycles 1-15.
Stimulant Dispensation Rates per 1,000 Population

[Bar chart showing dispensation rates by age group and gender]
PUBLIC-FACING DASHBOARD
Opioid Action Plan Dashboard

OPIOID ACTION PLAN PROGRESS

The 8 metrics below will be used to monitor the progress of the opioid action plan and how the community’s health is being affected. Click the metric to see more information including metric definitions, data source, and additional data points.

306
Opioid-Related Deaths
Occurrences in St. Louis County 2018

299
Nonfatal Overdoses / Month
St. Louis City & County 2018, Monthly Average

8
Agencies Reporting Nonfatal Overdoses
St. Louis City and County

8,125
Naloxone Kits Distributed
MO-HOPE Project
St. Louis City & County
Dec 2016-Mar 2019

6
Overdose Response Teams
Established St. Louis County

15.1
Average Day Supply of
Opioids Prescribed
St. Louis County Q4 2018

26%
PDMP Patient Searches / Prescriptions Dispensed
Q4 2018

118
Medication-Assisted Treatment (MAT) Providers
St. Louis County
Future Data-Related Projects

- Prescribing Summaries
- Nonfatal Overdose Surveillance
- Data Linkages
- Targeted Naloxone Distribution
Contact Information

Opioid Action Plan website: www.recoverSTL.com

DPH PDMP website: www.stlouisco.com/PDMP
PDMP website: https://missouri.pmpaware.net

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