

**Opioid Prescribing Data:  
Functionality and Future Trends**

*Specialized Docket Annual Conference  
Columbus, Ohio  
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National Emerging Threats Initiative  
High Intensity Drug Trafficking Areas (HIDTA)

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**Prescription Drug Monitoring  
Program Data:**

How PDMP data can assist courts  
in addressing opioid epidemic

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**What PDMPs Do**

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### PDMP Data Collected from Pharmacies

- 51 PDMPs Collect Dispensed Controlled Substances Rx (including DC and Guam):
  - 35 Schedules II – V
  - 16 Schedules II – IV
- 14 Collect Non-Controlled Substances Rx, such as
  - Anabolic steroids, Butalbitol w/ acetaminophen, ,
  - Ephedrine, Pseudoephedrine
- Reporting Frequency - Batch Reporting
  - 33 - daily
  - 4 – 3 business days
  - 12 – weekly
  - 2 – bi-weekly / monthly

○ Source: [www.pdmpassist.org](http://www.pdmpassist.org) as of 8/21/2016

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### Prescription Information PDMPs Collect

- Patient identification:
  - Name & Address
  - DOB & Gender
- Prescriber Information
- Dispensing Pharmacy Information
- Drug Information, e.g.
  - NDC # = name, type, strength, manufacturer
- Quantity & date dispensed
- Source of payment (some states)

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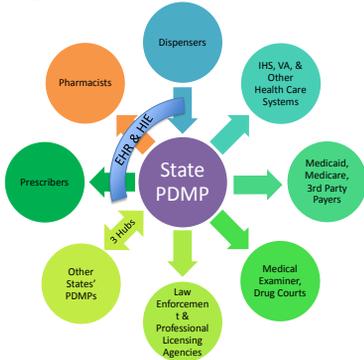
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### PDMPs: Generation 3.0 to 3.4



\*Other groups may also receive reports other than those listed

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### What PDMPs can provide Drug Courts (if authorized by statute)

- Up to 12 month prescription history, depending on state
- Prescriber:
  - Name, address, and, some states, phone number
  - Date Rx issued
- Description of drug:
  - Drug name, quantity, strength, and, some states days supply
- Dispensing pharmacy,
  - Name and address
  - Date dispensed

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### Essential Court Access to PDMP Data

- Case by Case – When courts order drug treatment:
  - Assure person is only obtaining authorized prescriptions for Rx Controlled Substances while under court’s jurisdiction.
  - Monitor compliance
- Assure every state’s law gives judges authority to obtain PDMP prescription history reports.

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### Drug Court Access to PDMP Data

Specific authority for Drug Courts to Access PDMP data?

	<u>YES</u>	<u>NO</u>
• Illinois	X	
• Indiana	X	
• Kentucky	X	
• Michigan	X	
• Ohio		X
• Pennsylvania		X
• Tennessee	X	
• Virginia		X
• West Virginia		X

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## Kentucky Drug Court

- Prescription Monitoring Program Center of Excellence at Brandeis  
**Notes from the Field**
- Monitoring and Changing Behavior: The Role of PMP Data in Kentucky Drug Courts
- August 2011
- Available at:  
[http://www.pdmpexcellence.org/sites/all/pdfs/KY\\_Drug\\_Court\\_NFF\\_8\\_30\\_11.pdf](http://www.pdmpexcellence.org/sites/all/pdfs/KY_Drug_Court_NFF_8_30_11.pdf)

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## Distribution of Drug Courts / Resources

- Are drug courts set-up based upon:
  - Numbers of drug related cases?
  - Backlog of drug cases?
  - Other considerations?
- Would it help to assign based upon numbers and rates of persons breaking Rx controlled substance laws and abusing heroin?
- Trends?

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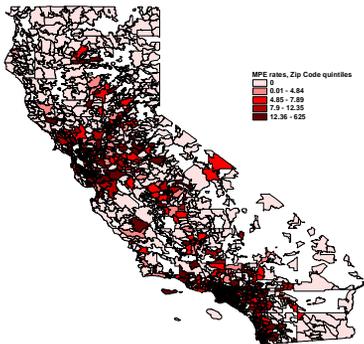
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California 2012: Multiple Provider Episode Rates by Zip Code



Source: PDMP Center of Excellence at Brandeis University – PBSS Project

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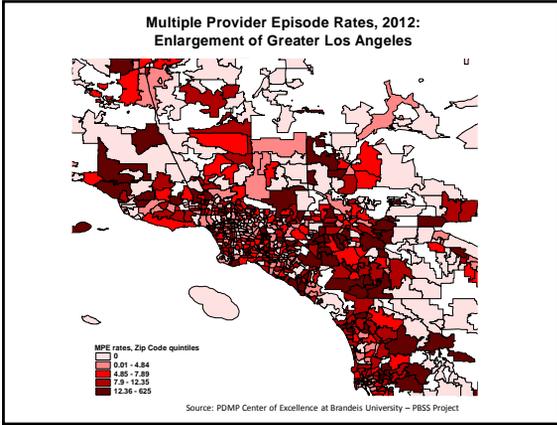
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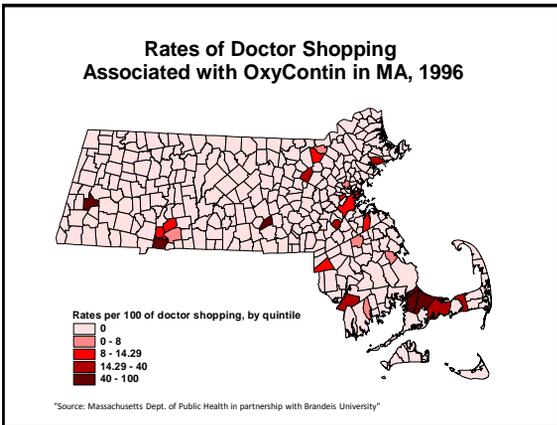
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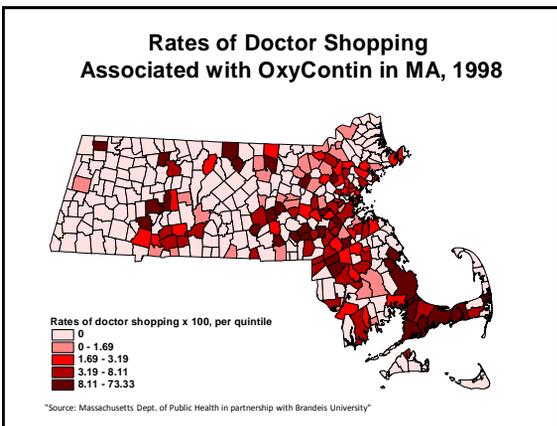
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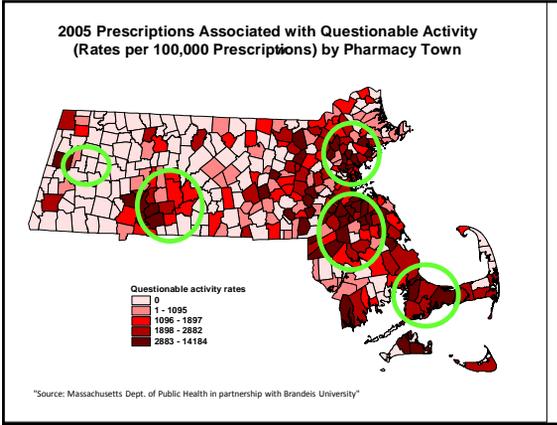
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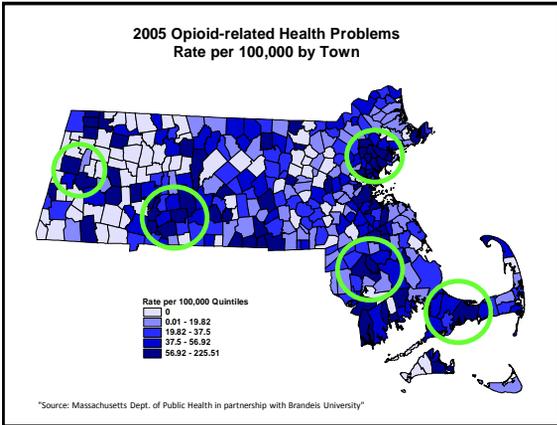
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### How Calculate Numbers and Rates?

- Each state can use its PDMP data to calculate the numbers and rates by county and municipality .
- Brandeis University offers service to some states via Prescription Behavior System (PBSS)

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### Prescription Behavior Surveillance System (PBSS)

- Prescription Behavior Surveillance System (PBSS)
  - De-identified data from 12 states.
  - Anticipate data from additional states within 12 months
  - Longitudinal data: from 2010 to present
  - Data updated quarterly
  - Periodic surveillance report: patient, prescriber, and pharmacy measures (total of 43 tables)
    - For each participating state and aggregated database
  - PBSS activities guided by Oversight Committee
    - CDC, FDA, BJA, SAMHSA, participating PDMPs

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### PBSS

- Conducted by PDMP Center of Excellence at Brandeis University
- Funded by federal CDC and FDA through BJA
- Allows comparison with other states.
- Allows trend observations to assess impact of new policies / actions.
- Allows targeting of resources and efforts to population groups with greatest needs.

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### PBSS – 9 Regional States

	<u>YES</u>	<u>NO</u>
• Illinois		X
• Indiana		X
• Kentucky	X	
• Michigan		
• Ohio	X	
• Pennsylvania		X
• Tennessee		X
• Virginia		X
• West Virginia	X	

- HOW PARTICIPATE?
- Contact Peter Kreiner at Brandeis University, PBSS Principal Investigator
- Contact CDC that funds PBSS.

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### Examples of PBSS Reporting

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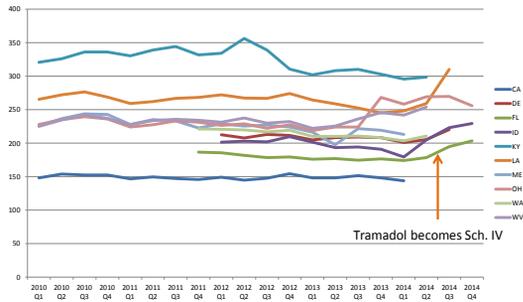
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#### Opioid Prescriptions per 1,000 State Residents By State and Quarter



Source: PDMP Center of Excellence at Brandeis University – PBSS Project

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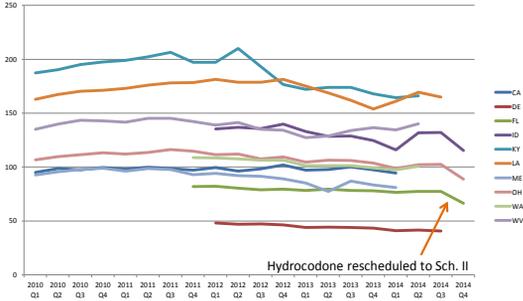
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#### Hydrocodone Prescriptions per 1,000 State Residents By State and Quarter



Source: PDMP Center of Excellence at Brandeis University – PBSS Project

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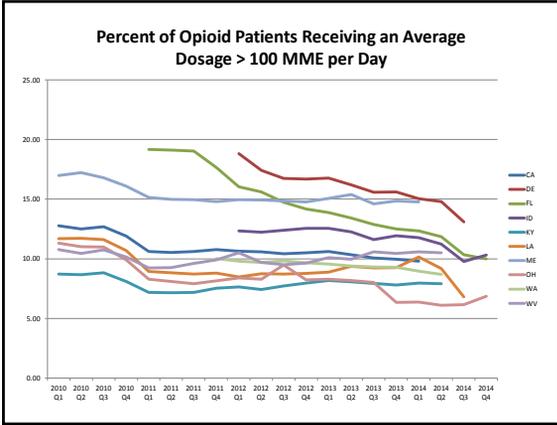
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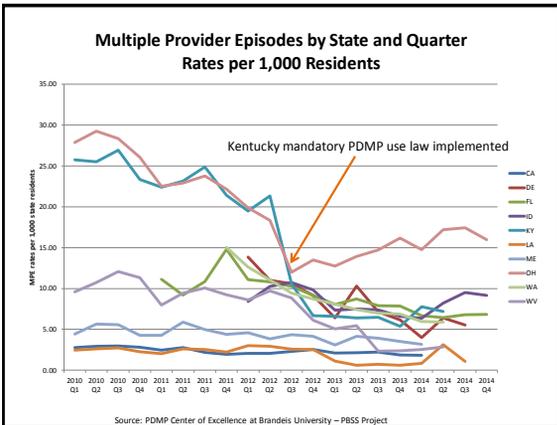
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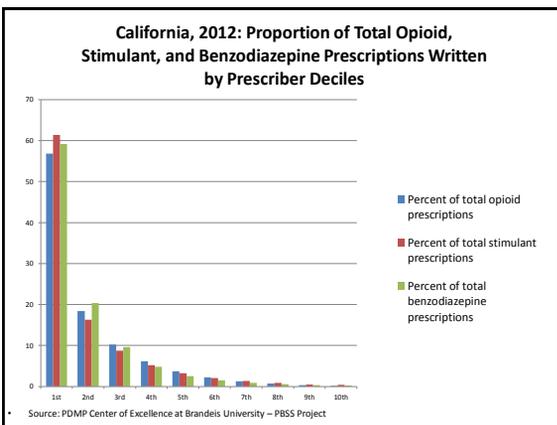
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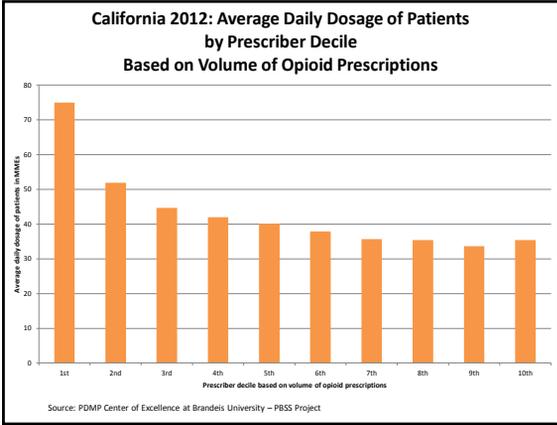
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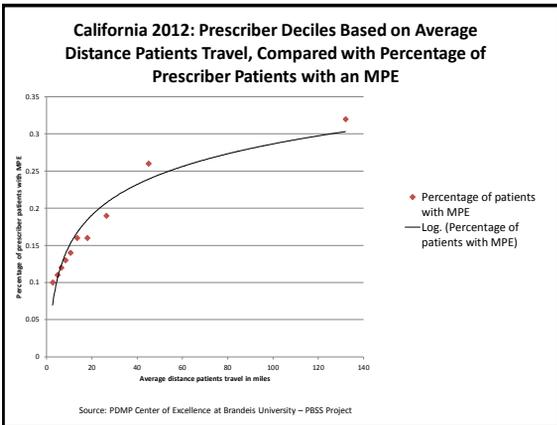
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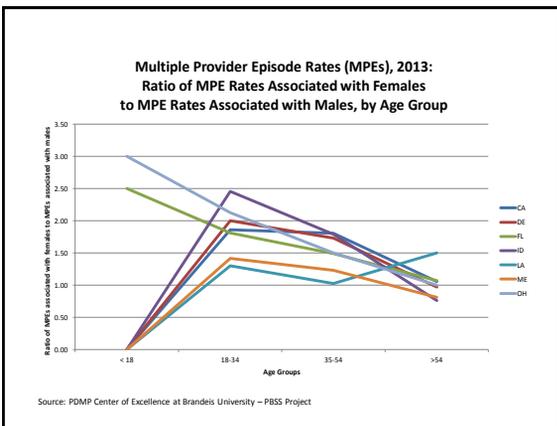
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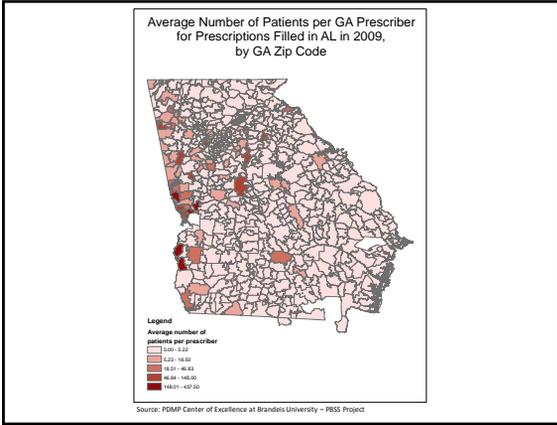
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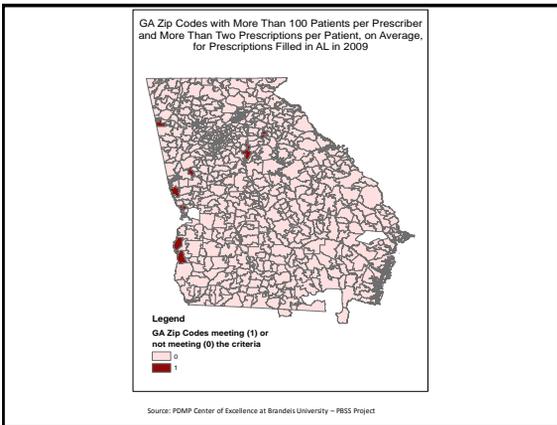
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**Other PDMP Best Practices**

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### Mandate on Prescribers to Use PDMP Data

Are all prescribers mandated to use PDMP before issuing opioid prescriptions?

	<b>Yes*</b>	<b>Partially</b>
• Illinois		
• Indiana		
• Kentucky	X	
• Michigan		
• Ohio	X	
• Pennsylvania		X (only review for initial Rx)
• Tennessee	X	
• Virginia		
• West Virginia		X (only review annually)

\* Meets CDC Guidelines (prior to 1<sup>st</sup> Rx & at least every 90 days):

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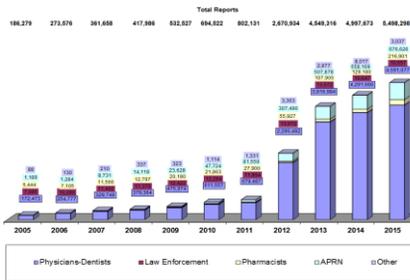
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### Reports Requested Kentucky PDMP: 2005 through 2015




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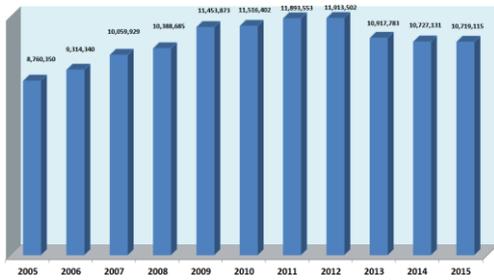
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### Kentucky Rx Submitted to PDMP: 2005 through 2015



<http://www.chs.ky.gov/NR/rdonlyres/55FD281-2707-44D4-8A60-D66A800A6A70/0/KASPERQuarterlyTrendReportQ42015.pdf>

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### Mandate on Prescribers to Use PDMP Data

- Prescriber requests increased to 100 times.
- Doctor Shopping (Multiple Prescriber Episodes) decreased up to 90%.
- High Risk Prescribing decreased.
  - Combination opioid & benzodiazepine Rx down.
  - High risk opioids, e.g. >100 morphine mg equiv. down.
- A “chilling effect” on opioid prescribing did not appear
- University of Kentucky study at: <http://www.chfs.ky.gov/NR/donlyres/8D6EBE65-D16A-448E-80FF-30BED11EBDEA/0/KentuckyHB1ImpactStudyReport03262015.pdf>

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### PDMPs, Public Health and Public Safety

- PDMP data = disease registry – substance abuse disorder.
- Interventions to reduce overdoses, accidents and save lives.
- Public Safety role.
- PDMPs & unsolicited reports to public health and public safety agencies.

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### Law Enforcement Access to PDMP Data

Law Enforcement Access to PDMP Data for investigations?

	Direct	Upon Request	Court Order, Subpoena, Search Warrant Grand Jury
• Illinois		X	
• Indiana		X	
• Kentucky	X*		
• Michigan			X
• Ohio		X	
• Pennsylvania			X
• Tennessee			X
• Virginia		X	
• West Virginia			X

\*KY – Direct for individuals, by request for prescribers and pharmacies

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## Proactive - Unsolicited PDMP Reports

PDMP engaged in providing unsolicited reports to Law Enforcement and Professional Licensing Agencies?

	<u>Law Enforcement</u>	<u>Professional Licensing Boards</u>
• Illinois		
• Indiana		
• Kentucky	X	X
• Michigan		
• Ohio	X	X
• Pennsylvania		
• Tennessee	X	
• Virginia	X	
• West Virginia	X	X

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## What's Next

- Match PDMP data to Public Safety data on heroin trafficking.
- Why? Provide advance warning to communities that are likely to be targeted by heroin dealers, i.e. communities with high rates of Rx opioid high risk prescribing and addiction.
- Why? 80% of new heroin users were first misusing Rx opioids.

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## Resources to Assist

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PDMP Training and Technical Assistance Center

- [www.pdmpassist.org](http://www.pdmpassist.org)

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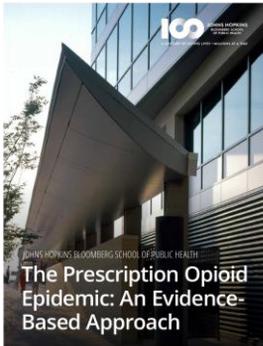
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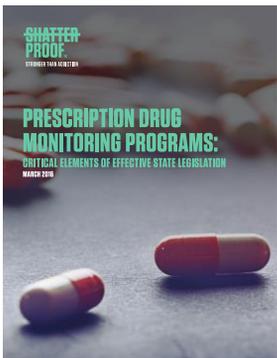
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**Contact Information**

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