A Prescription Drug Abuse Summit: The Role of Prescription Monitoring Programs

Georgia State University
Atlanta, GA
March 2, 2011

What Do Other State’s PMPs Tell Us About Prescriptions Issued by Georgia Prescribers?
Controlled Substances Dosage Units
Prescribed by Georgia Prescribers but Dispensed in Other States

*Washington has temporarily suspended its PMP operations due to budgetary constraints.

Average Number of Patients per GA Prescriber for Prescriptions Filled in SC in 2009, by GA Zip Code

Legend
Average number of patients per prescriber
- 0.000 - 1.429
- 1.430 - 6.250
- 6.251 - 19.000
- 19.001 - 41.412
- 41.413 - 73.500

- 74.501 - 112.122
- 114.123 - 156.000
Average Number of Patients per GA Prescriber for Prescriptions Filled in AL in 2009, by GA Zip Code

Legend
Average number of patients per prescriber
0.00 - 12.00
12.01 - 15.00
15.01 - 24.00
24.01 - 46.83
46.84 - 148.00
148.01 - 437.50

Average Number of Prescriptions per Patient, 2009 Prescriptions Originating in GA and Filled in AL, by GA Zip Code

Legend
Average number of prescriptions per patient
0.00
0.01 - 1.88
1.89 - 3.33
3.34 - 6.00
6.01 - 10.20
What are Prescription Monitoring Programs (PMPs)?
Prescription Monitoring Program

GOALS

- Education & Information
- Public Health Initiatives
- Early Intervention & Prevention
- Investigation & Enforcement

PMP System Overview

*Other groups may also receive reports other than those listed*
Data Collected from Pharmacies

• PMPs Collect Controlled Substances:
  22 collect Schedules II - V
  15 collect Schedules II – IV
  2 collect Schedule II only
  1 collect Schedules II & III

• Some Collect Non-Controlled Substances
  13 collect carisoprodol (Soma®)
  6 collect tramadol (Ultram®)

• Electronic Data Collection - Batch Reporting
• Reporting Frequency varies - 7 to 30 days

Prescription Information Collected

• Patient identification:
  • Name & Address
  • DOB & Gender

• Prescriber Information
• Dispensing Pharmacy Information
• Drug Information, e.g.
  • NDC # = name, type, strength, manufacturer
  • Quantity & date dispensed
Statutorily Authorized State PMPs, 1939 - 2010

Harold Rogers Program Started

44 PMPs

Status of PMPs—September 2010

Research is current as of May 26, 2010

Washington has temporarily suspended its PMP operations due to budgetary constraints.
**PMP STATISTICS**

- **Population - States with authorized PMPs**
  - **2004**
    - Number: 145 million
    - % of US: 50%
  - **2010**
    - Number: 273 million
    - % of US: 89%

- **Prescription Records - during 2008**
  - 29 Operational PMPs
  - 285 million Controlled Substances Prescriptions

- **Number of PDMP Reports Produced Per Year**

  - 2001: 4,500,000
  - 2002: 2,000,000
  - 2003: 2,500,000
  - 2004: 3,000,000
  - 2005: 3,500,000
  - 2006: Est. 4,000,000
  - 2007 Est.: 2,596% Increase from 2003
  - 2008: Harold Rogers Program Started

- **Est. 2007**

- **Est. 2008**
PDMP REPORTS BY TYPE OF USER
2006 - 2007

Percent of PMP Reports to Prescribers and Pharmacists by Type of PMP Agency

<table>
<thead>
<tr>
<th># of PDMPs</th>
<th>Type of Agency</th>
<th>% Reports to Prescribers &amp; Pharmacists</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>Boards of Pharmacy</td>
<td>90% - 96%</td>
</tr>
<tr>
<td>3</td>
<td>Law Enforcement</td>
<td>90% - 96%</td>
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PMPs Are Effective!

2.1 Prescription Monitoring Programs: An Effective Tool in Curbing the Prescription Drug Abuse Epidemic
February 2011
Physician Use of Data

- Physicians can stop being victimized by doctor shoppers
- Physicians can use as clinical tool to improve care
- OH study of Emergency Department
  - 41% of prescribes who received PMP report altered prescribing for patients receiving multiple simultaneous narcotics prescriptions.
  - Of these providers, 63% prescribed no narcotics or fewer.
  - 39% prescribed more.

California Physician Survey

Have you changed your prescribing practicing to a patient as a result of the PDMP Reports?

- No
- Yes
- No Opinion

Graph showing the distribution of responses:

- No: 20%
- Yes: 60%
- No Opinion: 20%
Kentucky Survey – Physicians
How important is a KASPER patient report in helping you make your decision about which drug to prescribe?

- Very Important
- Somewhat Important
- Neutral
- Somewhat Unimportant
- Not Important

Kentucky Survey – All Users
KASPER (KY PMP) is an excellent tool for identifying potential ‘doctor shoppers’?

- Strongly Agree
- Somewhat Agree
- Neutral
- Somewhat Disagree
- Strongly Disagree
Louisiana PMP - 5 Doctor Shoppers' Prescriptions per Month
Sept. Announcement to Jan. PMP Implementation

Notes from the Field: Wyoming PMP

Unsolicited Prescription Histories per Month, 10/2008 – 9/2009

Solicited Prescription Histories per Month, 10/2008 – 9/2009

Source: Wyoming PDMP
MA PMP - Prescriber Survey: Preliminary Findings

162 baseline surveys received thus far

- 91% of respondents said unsolicited reports “very” or “somewhat helpful”
- Only 14% said they were “aware of all or most of other prescribers” in report
- Only 13% said “based on current knowledge, including report, patient appears to have legitimate medical reason for Rxs from multiple prescribers”

MA data, preliminary – decreased # of Rx, prescribers and pharmacies for probable doctor shoppers

Source: MA PMP and P. Kreiner et al., Brandeis University

Quantities of Pain Relievers

- XPDMP = Proactive PDMPs (issue unsolicited reports)
- Non-XPDMP = Non-Proactive PDMPs

Source: An Evaluation of Prescription Drug Monitoring Programs; Simeone Associates; 2006
Death rates for drug overdoses that were unintentional or of undetermined intent by state, 2007


PMP Data - Assists Investigations & Reduce Time

- **KY PMP Survey** – 73% Law Enforcement Officers find PMP is an excellent tool for obtaining evidence.

- **GAO Report** – PMPs reduce average time for doctor shopper investigations:
  - KY – from 156 to 16 days
  - NV – from 120 to 20 days

- **2010 National Law Enforcement PMP Meeting** – Unanimously concurred PMPs are an important law enforcement tool.
PMPs Save Law Enforcement Costs & Monitor Treatment

- NV Pre-Criminal Intervention Program – enrolls & monitors doctor shoppers in rehab – saving investigative and prosecution $
  - See PMP Center of Excellence Notes from the Field
- Drug Courts in KY use PMP data to monitor compliance
- Drug Treatment Programs in ME use PMP data at patient intake and periodically thereafter to monitor compliance
- Medical Director – Opioid Addiction Treatment Program – PMP data very important
  - See PMP Center of Excellence Notes from the Field

Other Ways a PMP Can Help Georgia
Rates of Doctor Shopping Associated with OxyContin in MA, 1996

Rates per 100 of doctor shopping, by quintile

- 0 - 8
- 8 - 14.29
- 14.29 - 40
- 40 - 100

"Source: Massachusetts Dept. of Public Health in partnership with Brandeis University"

Rates of Doctor Shopping Associated with OxyContin in MA, 1998

Rates of doctor shopping x 100, per quintile

- 0 - 1.69
- 1.69 - 3.19
- 3.19 - 8.11
- 8.11 - 73.33

"Source: Massachusetts Dept. of Public Health in partnership with Brandeis University"
2005 Prescriptions Associated with Questionable Activity
(Rates per 100,000 Prescriptions) by Pharmacy Town

Questionable activity rates
- 0 - 1095
- 1096 - 1897
- 1898 - 2882
- 2883 - 14184

"Source: Massachusetts Dept. of Public Health in partnership with Brandeis University"

2005 Opioid-related Overdose
Rate per 100,000 by Town

Rate per 100,000 Quintiles
- 0 - 0.01 - 19.82
- 19.82 - 57.5
- 57.5 - 96.72
- 96.72 - 225.11

"Source: Massachusetts Dept. of Public Health in partnership with Brandeis University"
A Georgia PMP Can

Identify where to intervene to:

- Stop Doctor Shopping
- Stop Forgeries
- Stop Pill Mills
- Hold Drug Take Back initiatives
- Intensify Substance Abuse Prevention efforts
- Assign Opioid Abuse Treatment Programs

Georgia PMP will be a Disease Reporting System

- Persons meeting DMS-IV criteria for dependence on or abuse of opioids in US are increasing.
- This diagnosis includes persons who are addicted.
- GA PMP - a diagnostic tool to help prescribers identify cases meeting these DMS IV criteria.
- Like other diseases, persons who meet criteria are at high risk for acute episodes leading to overdoses and deaths.
- Many deaths
- are preventable with proper intervention.
Georgia PMP Can Help Save Lives

- Persons meeting criteria for dependent on or abuse of opioids are at high risk of death.
- US death rate among nonmedical pain reliever users – estimated: **192.3 per 100,000 or 22 times higher** than general population in 2005
- PMPs can identify many of these people.
- If PMPs identify them and intervene, many lives can be saved

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**Dependence on or Abuse of Illicit Drugs, Marijuana, Cocaine, and Pain Relievers in the Past Year - Persons Aged 12 or Older – NSDUH, 2002-09**

- Numbers in Millions
- **Marijuana**
- **Pain Relievers**
- **Cocaine**
Positive Identification for CS Prescriptions - 1

Step 1: Pharmacies required to check photo ID of person picking up Controlled Substances (CS) Prescriptions
- Multiple States require this
- But most waive requirement when pharmacist “knows” person (Board of Pharmacies’ laws or regulations)
- MA PMP with COE assistance found 40% of Schedule II Rx are dropped off or picked up by person other than patient.
- MA is expanding the required check from Schedule II to all Schedules - 1/1/2011

Positive Identification for CS Prescriptions - 2

Step 2: PMPs require reporting - ID of person picking up CS Rx
- Some PMPs require reporting of ID #, e.g. MA, MI and OK
- MA is expanding requirement from Schedule II to all Schedules - 1/1/2011
  - BACDS opposed
  - But MA is proceeding
- OK is experimenting with card swipe systems
  - Capture ID info and add to Rx record to PMP
  - Verify ID is valid
- ASAP Versions 4.0 & 4.1 have fields for good reporting – ID #, type of ID, issuing authority, relationship to patient, and name
How PMP Center of Excellence and Training and Technical Assistance Center at Brandeis University Can Assist

www.pmpalliance.org
Prescription Monitoring Program Center of Excellence

Notes From the Field

Prescription Monitoring Program Center of Excellence

PMP Management Tools

Prescription Monitoring Program Center of Excellence

PMP Study Analysis
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