Enhancing Access to Prescription Drug Monitoring Programs

Pilot Impact, In Their Own Words
Today’s Agenda

Project Overview

In Their Own Words

Pilot Goals
# The Team

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<tr>
<th>Logo</th>
<th>Name</th>
<th>Role</th>
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<tr>
<td><img src="image" alt="The Office of the National Coordinator for Health Information Technology" /></td>
<td>Jennifer Frazier</td>
<td>ONC</td>
<td><a href="mailto:Jennifer.Frazier@hhs.gov">Jennifer.Frazier@hhs.gov</a></td>
</tr>
<tr>
<td><img src="image" alt="SAMHSA" /></td>
<td>Jinhee Lee</td>
<td>SAMHSA</td>
<td><a href="mailto:Jinhee.Lee@samhsa.hhs.gov">Jinhee.Lee@samhsa.hhs.gov</a></td>
</tr>
<tr>
<td></td>
<td>Kate Tipping</td>
<td>SAMHSA</td>
<td><a href="mailto:Kate.Tipping@samhsa.hhs.gov">Kate.Tipping@samhsa.hhs.gov</a></td>
</tr>
<tr>
<td><img src="image" alt="CDC" /></td>
<td>Chris Jones</td>
<td>CDC</td>
<td><a href="mailto:cjones@cdc.gov">cjones@cdc.gov</a></td>
</tr>
<tr>
<td><img src="image" alt="Office of National Drug Control Policy" /></td>
<td>Cecelia Spitznas</td>
<td>ONDCP</td>
<td><a href="mailto:Cecelia_M_Spitznas@ondcp.eop.gov">Cecelia_M_Spitznas@ondcp.eop.gov</a></td>
</tr>
<tr>
<td><img src="image" alt="MITRE" /></td>
<td>Lisa Tutterow</td>
<td>MITRE</td>
<td><a href="mailto:ltutterow@mitre.org">ltutterow@mitre.org</a></td>
</tr>
<tr>
<td></td>
<td>Jeffrey Hammer</td>
<td>MITRE</td>
<td><a href="mailto:jmhammer@mitre.org">jmhammer@mitre.org</a></td>
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Overview
The Problem

- The Centers for Disease Control and Prevention (CDC) declared that deaths from prescription painkillers now outnumber deaths from heroin and cocaine combined.

- Prescription drug abuse death is one of the fastest growing public health epidemics, outpacing deaths from traffic fatalities.
Many states established PDMPs to address the prescription drug abuse problem

Purpose: To reduce prescription drug abuse and diversion

What: Statewide electronic databases
– Collect, monitor, and analyze electronically transmitted dispensing data on controlled substances

Who: Authorized healthcare professionals
– Physicians (known as prescribers)
– Pharmacists (known as dispensers)
– Other authorized healthcare professionals
PDMP Value

- PDMPs contain useful information
  - Identify patients who are potentially **abusing or diverting** prescription drugs
  - Inform **clinical decisions** regarding controlled substances

- The issue is how to make this information more available to three key groups of clinical decision-makers:
  - Provider Practices
  - Emergency Departments
  - Pharmacies
Enhancing Access to Prescription Drug Monitoring Programs

- Underutilized by clinical decision-makers
- Lack of connections to health IT

PDMP

- Develop open source data standard and transport protocol software
- Create connections between PDMPs and end users to show connectivity
- Create compelling stories and resources to drive demand for PDMP data

Prescribers
Dispensers
Pilot Studies
The Challenge

The pilot program worked with health care organizations and PDMPs to explore opportunities to improve access to PDMP data by health care providers.
Focus Areas

The pilot studies explored effectiveness in multiple areas:

- **At the point of decision-making** *(timely)*
- **Integrated into existing clinical and health IT workflows** *(placement)*
- **Real-time data, based on the most up-to-date data in the PDMP** *(currency)*
- **Meaningful return of patients’ prescription drug information** *(essential, easily absorbed, and actionable)*
### Implementation Models

<table>
<thead>
<tr>
<th>State</th>
<th>End User</th>
<th>Pilot Summary</th>
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<tbody>
<tr>
<td>Illinois (IL)</td>
<td>Emergency Department</td>
<td>Automated query via HIE to PDMP upon patient admission to ED PDMP data integrated into EHR via a Direct message</td>
</tr>
<tr>
<td>Indiana (IN)</td>
<td>Emergency Department</td>
<td>Automated query via HIE to multiple states’ PDMPs upon patient admission to ED Patient risk score and PDMP data integrated into EHR</td>
</tr>
<tr>
<td>Kansas (KS)</td>
<td>Providers</td>
<td>Unsolicited report of at-risk patients sent via Direct to EHR-integrated mailboxes</td>
</tr>
<tr>
<td>Michigan (MI)</td>
<td>Providers</td>
<td>Automated query via e-Prescribing software to multiple states’ PDMPs and result integrated in patient’s medication history</td>
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<tr>
<td>Nebraska (NE)</td>
<td>Emergency Department</td>
<td>Automated query via HIE to PDMP upon patient admission to ED PDMP data integrated into EHR</td>
</tr>
<tr>
<td>Oklahoma (OK)</td>
<td>Emergency Department</td>
<td>Automated query via HIE to PDMP upon patient admission to ED PDMP data integrated into EHR</td>
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<tr>
<td>Tennessee (TN)</td>
<td>Pharmacy</td>
<td>Reporting data in real-time to the PDMP from pharmacies</td>
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General Results

- **Immediate improvement** in the patient care process after connection

- **Streamlined the user workflows** by leveraging technology to enable PDMP query and processing tasks

- Prescribers and dispensers were the **most satisfied** with their new workflows when **technology automated** the majority of workflow tasks

**In their own words…**

- “I have to say that this is probably one of the more genius moves of the 21st century . . . having easy access to [the PDMP] without going to a totally different website and have it pop up instantly has taken a lot of time off of decision making for me.”
  – Emergency Department Physician

- “Yes, much easier. Especially like being able to click on the report and be taken directly to the patient’s report without having to enter the patient’s name, date of birth, and zip code (this was very time consuming and sometimes prevented me from looking up the information in the past).”
  – Ambulatory Family Physician
Implementers – In Their Own Words
Oklahoma

- **Speakers**
  - Dr. Brian Yeaman, MD, Norman Regional Hospital
  - Alex Benson, CERNER

- **Implementation Model**
Indiana/Regenstrief

**Speakers:**

- **John T. Finnell, MD, MSc**, Director, Health Informatics at Indiana University, Emergency Medicine Physician at Wishard Health Services
- **Marty Allain**, Indiana Prescription Drug Monitoring Program

**Implementation Model**

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Key Takeaways

- Integrating in provider workflow reduces barriers to PDMP access

- Type of integration can vary
  - Value increases with degree of automation
  - But even basic integration (hyperlink to PDMP, return PDF) is valued

- When available, the PDMP is valuable as a clinical decision support tool
Questions