Prescription Drug Monitoring Program (PDMP) & Health IT Integration Initiative

Standards and Interoperability Framework

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Prescription Drug Misuse and Abuse in the United States and Our Response

- Deaths from drug overdose have been rising steadily over the past two decades and have become the leading cause of injury death in the United States.*
- In 2013, an estimated 24.6 million (9.4 percent) Americans aged 12 or older were current (past month) illicit drug users.#
  - 4.5 million (1.7%) persons aged 12 or older use pain relievers
  - Rate of current use of illicit drugs highest among young adults aged 18 to 25 (21.5%)
- The majority of people (~70%) who use pain relievers nonmedically receive their drugs from a friend or relative.#
- 20.2 million need but are not receiving treatment for illicit drug or alcohol use.#
  - 746,000 persons aged 12 or older received treatment in the past year for use of pain relievers
- White House Prescription Drug Abuse Prevention Plan
  - Blueprint for Federal Agency efforts on prescription drug abuse
  - 4 focus areas:
    - Education, Monitoring (i.e., PDMPs), Proper Medication Disposal, Enforcement

* Centers for Disease Control and Prevention http://www.cdc.gov/homeandrecreationalsafety/overdose/facts.html
# Substance Abuse and Mental Health Services Administration, 2013 National Survey on Drug Use and Health
The Story So Far

**Federal & State Partners**
- SAMHSA
- CDC
- BJA

**State Participants**

**Stakeholders**
- RelayHealth
- RITE AID
- Walmart
- surescripts
- Walgreens
- CVS/pharmacy

**Organizations**
- Alliance of States with Prescription Monitoring Programs
- IJIS Institute
- NAMSDL

**Action Plan**

**ACTION PLAN FOR IMPROVING ACCESS TO PRESCRIPTION DRUG MONITORING PROGRAMS THROUGH HEALTH INFORMATION TECHNOLOGY**

Presented to The Behavioral Health Coordinating Committee, Department of Health and Human Services through The Pharmaceutical Abuse Subcommittee by the Prescription Drug Abuse and Health Information Technology Work Group

JUNE 30, 2011

White House Roundtable on Health IT & Prescription Drug Abuse June 3, 2011
Prescription Drug Monitoring Programs (PDMPs)

- State-run databases that collect controlled substances dispensed by pharmacies
- PDMP data can enhance health care professionals' understanding of their patients’ controlled substance history and in turn, support better informed clinical decision making
- Authorized users can query PDMPs through portals to determine appropriateness of prescriptions for a particular patient
Goal: Integrate query within health IT systems to streamline PDMP data to healthcare professionals

Primary Challenges Include:

- Healthcare professional’s burdened by separate logins and separated workflow
- Complex data workflows involving HIEs, PDMP Hubs, Pharmacy Networks, and HIT systems
- PDMP data structures are based upon existing NIEM architectures for PDMP to PDMP data sharing and are not typically natively supported by EHR systems
- There are no widely adopted standards for the flow of data from a PDMP to a Health IT System.
PDMP & HIT Integration
Initiative Summary

Sponsoring Agencies
• ONC: OCPO & OST
• SAMHSA
• Whitehouse Office of National Drug Control Policy (ONDCP) – interested party

Outputs
• Charter 01/07/2014
• Use Case 03/25/2014
• Implementation Guide: 09/09/2014
• Pilots Fall/Winter 2014

Strong Community Participation
• 223 Registered Members
• 166 unique registered organizations
• 78 Committed Members
Solution Planning Approach: Integrated Query Landscape

Variant 1: Intermediary provides translation functionality

Variant 2: Translation is handled at HIE, providing mapping to PMIX from native EHR standards

Variant 3: Interface engine provides functionality to send PMIX message derived from EHR / Pharm standards

EHR/Pharmacy Exchange Standard:
- HL7 V2
- NCPDP SCRIPT
- ASAP Web Services

PDMP Standard
- PMIX-NIEM

*Solution is agnostic to transport*
Next Steps

Implementation Guide Testing and Evaluation

1. Test translation-driven implementation guide via pilots (schemas, queries, responses)

2. Work with PDMP Hub (PMPi) to distribute interfaces to pilot participants

3. Resolve identified gaps in handling certain data elements for each standard

4. Report back to community on gap mitigation

5. Provide iterative feedback on privacy, security, and system authentication practices for further standardization

6. Modify/update standards (as allowed by SDOs) to include gap resolution

Coordinate pilots and testing materials
### PDMP Pilot Participants

<table>
<thead>
<tr>
<th>EHR/PHARMACIES/OTHER VENDORS</th>
<th>PRIMARY STANDARD BEING TESTED (HIT System to Hub)</th>
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## PDMP Pilot Participants (cont)

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<th>INTERMEDIARY/HUB</th>
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<td>OneHealthPort HIE</td>
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### PDMP PILOT PARTICIPANTS

- Kentucky Cabinet for Health and Family Services (KASPER)
- Washington State Department of Health
- New Mexico PMP
- Virginia Prescription Monitoring Program
- Arizona Board of Pharmacy
- Wisconsin Department of Safety and Professional Services
• S&I PDMP/HITI Wiki Page:
  http://wiki.siframework.org/PDMP+%26+Health+IT+Integration+Homepage

• Federal Sponsors:
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Thank you!

Questions?