Role of e-Prescribing in Preventing Opioid Abuse

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Agenda

• Opioid Epidemic
• PDMP Benefits and Challenges
• Comprehensive Addiction & Recovery Act (CARA)
• NCPDP’s Interoperable PDMP Model
• Building a Patient Safety Network
• Importance of Standards
• Optimizing Implementation & Adoption of SCRIPT Standard
• How to Get Involved
Opioid Epidemic
According to the CDC, each day 91 people die from opioid overdose.

Source: https://www.cdc.gov/druoverdose/epidemic/
Opioid Epidemic

National Overdose Deaths
Number of Deaths from Prescription Opioid Pain Relievers
(excluding non-methadone synthetics)

Source: National Center for Health Statistics, CDC Wonder
Opioid Epidemic

Overdose Deaths Involving Opioids, United States, 2000-2015

Prescription Drug Monitoring Programs (PDMPs)
PDMP Benefits

- Use web tools to access state PDMP data
- Support access for patients with valid medical need
- Help identify and deter or prevent drug abuse and diversion
- Help decrease fraud and abuse
PDMP Challenges

PDMPs lack uniform best practices:

- Lack standards to share drug abuse information effectively to address potential drug abuse and diversion, or evaluate patient risk.
- Process is systemically burdensome (e.g., outside provider workflows).
- Does not effectively provide information in a timely manner in order to make clinical decisions at point of care.
Comprehensive Addiction & Recovery Act (CARA)
CARA

- President Obama signed the bipartisan bill into law in July 2016
- CARA highlights the need to enhance state PDMPs
- Authorizes grant program provisions for states to improve PDMPs by using updated guidelines, taking into consideration attributes such as interoperability and providing “timely” data within providers’ workflows.
- Promotes the creation and use of a “prescription monitoring hub” to facilitate data sharing, interoperability.
CARA

Calls for interoperability with HIT systems such as electronic health records, health information exchanges, and ePrescribing.

- Electronic prescribing of controlled substances (EPCS) technology - key to helping providers more efficiently ensure prescription medicines are being prescribed properly.
- Medication adherence monitoring technologies – allow providers to gauge in real-time, at point of care, a patient’s level of drug compliance.
- Clinical decision support - assists providers in preventing adverse drug events.
NCPDP’s Interoperable PDMP Solution
NCPDP

ANSI-Accredited Standards Development Organization
ANSI is the official U.S. representative to the International Organization for Standardization (ISO)

- Composed of all healthcare industry participants
- Problem-solving forum for healthcare industry
- Consensus-based solutions – standards, industry guidance
Best Practices – NCPDP’s Process

- Obligation to be non-biased
- Credibility among members, public sector and government
- Getting the right people in the room, engendering trust
- Bottom-up commitment to a solution created by consensus
- Driven by clinical need, business need, patient safety
- Workflow-enabled solutions
NCPDP’s PDMP Solution White Paper

- Strategic Action Group meeting on PDMPs held in Baltimore, MD, on October 18, 2012.
- Goals and Objectives were to identify the current and future issues and needs regarding PDMPs.
- At the request of the PDMP Strategic Action Group, a PDMP Task Group was formed in November 2012, with the initial task of developing a White Paper to:
  - Examine the problem;
  - Identify future needs; and
  - Recommend solutions for PDMP data access and role of NCPDP.

White paper: NCPDP’s Integrated, Interoperable Solution to Ensure Patient Safe Use of Controlled Substances (Revised 2016)

http://ncpdp.org/Education/Whitepaper
An Integrated, Interoperable Solution for PDMPs

Utilization of NCPDP’s existing standards will enable healthcare providers to deter prescription drug abuse and ensure access for patients with a valid medical need before controlled substances are prescribed – using real-time alerts and responses.

• Sustainable, best practice, standards-based approach eliminates data silos and promotes interoperability
• Provides actionable and timely information to prescribers and pharmacists using existing workflows to ease adoption,
• Supports patient safety efforts to curb a public health crisis.
Overcoming PDMP Barriers

- Share real-time information at the point of care through the use of existing, interoperable industry standards.
- Reduce burden on providers by incorporating drug abuse information within pharmacy and prescriber workflows when risk exists
  - With 1 billion prescriptions written/dispensed not possible or practical to manually check 100%
- Enable prescribers and pharmacists to make clinical decisions prior to writing and dispensing medications for proactive intervention
- Ensure access for patients with valid medical needs
Integrated Workflow Solution

- Pharmacy reports controlled substance dispensing in real time to PDMP Facilitator using Telecommunication Standard. [Currently done via separate batch process.]
- Prescriber/HIT System queries PDMP data from PDMP Facilitator at point of care using the SCRIPT Standard to make appropriate clinical decisions before the medication is prescribed.
- Pharmacy receives clinical alerts from PDMP Facilitator via the Telecommunication Standard during claim processing that PDMP data needs to be checked prior to dispensing.
- Pharmacy queries PDMP data from PDMP Facilitator at point of service using the SCRIPT Standard to enable appropriate clinical decisions before the medication is dispensed.
NCPDP’s PDMP Solution Transaction Flow

PDMP Facilitator

Prescriber/HIT System

Switch/Intermediary/HUB

Pharmacy

State PDMPs
Building A Patient Safety Network
It Begins with Patient-focused, Interoperable Model

NCPDP’s PDMP model will enable healthcare providers to deter prescription drug abuse and ensure access for patients with a valid medical need before controlled substances are prescribed – using real-time reporting, alerts and responses.

• National Facilitator monitors medication use across state lines.
• Designed to add a risk identification enhancement to existing PDMP programs, not as a replacement.
• Sustainable, best practice, standards-based approach eliminates data silos and promotes interoperability.
• Provides actionable and timely information to prescribers and pharmacists using existing workflows to ease adoption.
• Supports patient safety efforts to curb a public health crisis.
Building a Patient Safety Network

• Leverages NCPDP’s existing, widely utilized real-time, HIPAA compliant communication standards used by providers
• Single source “facilitator” captures prescription information across community pharmacies and includes all payment types (cash)
• Identifies at risk patients, triggering notification prior to prescribing and dispensing medication
• Scalable and extensible, the model can include immunizations, other medications
Building a Patient Safety Network

Prescriber/HIT System

Switch/Intermediary/HUB

Pharmacy

State PDMPs

Patient Safety Network (Facilitator)

State PDMPs
Importance of Standards in Industry
Great Baltimore Fire 1904

* It destroyed much of central Baltimore, including over 1,500 buildings covering an area of some 140 acres.
* Even with help from surrounding cities, they couldn’t help because the hose couplings were all different!
* Fire was the impetus it gave to efforts to standardize firefighting equipment in the United States, especially hose couplings!
NCPDP Standards used in Industry
Optimizing Implementation & Adoption of SCRIPT Standard
SCRIPT Standard

- Other names: “ePrescribing” or “eRx” Standard
- Meaningful Use (MU)
- Transmit prescription information between prescribers, pharmacies, payers, and other entities for:
  - New prescription request
  - Change of new prescription
  - Cancel of prescription
  - Refill/renewals request/response or Resupply in long term care
  - Fill Status notification
  - Medication history exchange
  - Drug Administration exchange in long term care
  - Prescriber-reported samples for more robust medication history
  - Query functions for new prescriptions
How to Get Involved

• **NCPDP Joint Technical Work Group Meetings**
  May 7-8, 2017 in Scottsdale, AZ

• **NCPDP Annual Technology & Business Conference**
  May 8-10, 2017 in Scottsdale, AZ

• **NCPDP Joint Technical Work Group Meetings**
  August 2-4, 2017 in Minneapolis, MN

• **NCPDP 2017 Educational Summit**
  November 7, 2017 in Long Beach, California
Become a Member

http://www.ncpdp.org/Membership
Thank you!

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