The APRN Experience Using Prescription Drug Monitoring Programs

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Practice Story

My Practice and the PDMP

- Before PDMP
- After PDMP
Objectives

- Prescription Drug Monitoring Program (PDMP) in APRN practice
  - Overview
  - Registration & utilization
  - Strengths/benefits
  - Weaknesses/barriers

- Improving PDMP use in APRN practice
  - Registration process
  - Education & follow up

- Legislation impacting APRN use of PDMP in practice
PDMP in APRN Practice

Prescription Drug Abuse Epidemic

- **2012**: 16,007 deaths involving opioids

- **1999-2012**: drug-poisoning deaths due to opioids more than tripled
  - 1.4/100,000 in 1999 & 5.1/100,000 in 2012
  - Greatest increases through 2006 (approx. 18%/year); 5% decline 2011-12

- **2011**: 2.5 million ED visits for drug misuse/abuse-50.5% involving nonmedical use of pharmaceuticals

PDMP in APRN Practice

PDMP Synopsis

- Online database of controlled substances (II-V)
  - Data collected from pharmacies once prescription is dispensed
  - Available to authorized users (many electronically)
  - Secure & HIPPA compliant

- As of December 2014:
  - Authorized PDMP: 49 states & 1 territory
  - Operating PDMP: 47 states

(NAMSDL, 2015)
PDMP in APRN Practice

PDMP Purpose

- Tool aimed to improve clinical decision-making in patient therapy
- Allow prescribers to identify and inhibit misuse, diversion, or excessive prescribing of controlled substances
- Curb prescription drug abuse epidemic
- Improve patient safety and public health

(NAMSDL, 2015)
PDMP in APRN Practice

Registration

- 21 states have mandatory registration
  - AL, AZ, CA, CO, CT, DE, GA, ID, KY, ME, MA, MS, NH, NM, OH, RI, TN, UT, VT, VA (6/2015), WV

- 13 states with mandatory training:
  - KY, LA, MA, MT, NV, NJ, NM, OH, PA, SC, UT, VT, WV

- Registration process
  - Tends to be a barrier to use
  - Online registration
  - Required supporting documents vary by state (notarization)

(NAMSDL, 2015)
PDMP in APRN Practice

Utilization

- 24 states with mandatory access:
  - AZ, CO, DE, GA, IN, KY, LA, MA, MN, MS, NV, NM, NY, NC, ND, OH, OK, PA (7/2015), RI, TN, VT, VA, WA, WV

- 16 states, by law, do not require prescribers/dispensers to access PDMP

- 11 states & 1 territory require prescribers/dispensers to notify consumers of PDMP access

(NAMSDL, 2015)
PDMP in APRN Practice

Evidence

- Hildebran et al. (2014)-qualitative study
  - How do clinicians incorporate PDMP into workflow and decision-making?
  - What barriers exist?
  - How is this information shared with patients?

Findings

- 35 clinicians from 9 states interviewed
- Variations in access & use among clinicians
- Concerns: decreased patient satisfaction
PDMP in APRN Practice

Evidence

- Green et al. (2012)-quantitative study
  - How are the reports used in practice?
  - Examine PDMP use in suspected diversion

Findings

- 1,385 prescribers from 2 states responded (29.6% response rate among PDMP users)
- >50% use electronic PDMP > monthly
- Uses for PDMP in practice included:
  - Screening for drug abuse, counseling on risks of opioids, Detecting “doctor shopping”
  - Tool for discussing patient health status
PDMP in APRN Practice

Evidence

- Rutkow et al. (2015)-quantitative
  - What are attitudes toward PDMP?
  - What is the awareness and use of PDMP?

Findings

- 420 responded to survey
- 72% aware of PDMP; 53% reported use of PDMP but not routinely
- Barriers: time-consuming, lack of intuitive format of data
PDMP in APRN Practice

Number of Prescriptions Dispensed Per Year to ND patients and in the state of ND

<table>
<thead>
<tr>
<th>Year</th>
<th>Prescriptions Dispensed in ND or to ND residents</th>
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<tbody>
<tr>
<td>2008</td>
<td>935,201</td>
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<tr>
<td>2009</td>
<td>1,018,256</td>
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<tr>
<td>2010</td>
<td>1,175,532</td>
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<tr>
<td>2011</td>
<td>1,230,682</td>
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<tr>
<td>2012</td>
<td>1,271,864</td>
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<tr>
<td>2013</td>
<td>1,233,880</td>
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<tr>
<td>2014</td>
<td>1,208,959</td>
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</table>

NDPDMP, 2015
PDMP in APRN Practice

Number of Active Accounts

<table>
<thead>
<tr>
<th>Profession</th>
<th>Number of Approved Accounts</th>
<th>In State</th>
<th>Out of State</th>
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<tbody>
<tr>
<td>R.Ph., PharmD</td>
<td>640</td>
<td>142</td>
<td>23</td>
</tr>
<tr>
<td>MD, DO, DPM</td>
<td>711</td>
<td>133</td>
<td>37</td>
</tr>
<tr>
<td>Dispenser Delegates</td>
<td>307</td>
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<td>24</td>
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<tr>
<td>APRN</td>
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<td>LAC</td>
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<td>Lic. Board Investigator</td>
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<td>2</td>
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<tr>
<td>Admin</td>
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<td>3</td>
<td>1</td>
</tr>
<tr>
<td>Prescriber Delegates</td>
<td>364</td>
<td>381</td>
<td>17</td>
</tr>
</tbody>
</table>

NDPDMP, 2015
PDMP in APRN Practice

Utilization in ND

Utilization Rates of the Prescribers who wrote a controlled substance prescription which was dispensed in ND or to ND residents.

NDPDMP, 2015
PDMP in APRN Practice

ND Utilization Rates 2014

Non-physician prescribers

Physician prescriber

NDPDMP, 2015
PDMP in APRN Practice

- Strengths/benefits
  - Improved clinical decision-making
  - Decrease in misuse/abuse/overdoses
  - Overall enhanced patient & public safety

- Weaknesses/barriers
  - Enrollment process
  - Accuracy of PDMP
    - Depends on what patient reports, prescriber writes, and pharmacy enters (name, DOB)
    - 22 states require id before dispensing
ND PDMP Survey Overview

Would you recommend PDMP? What are weaknesses? What are benefits?

- 446 Respondents

- Net Promoter Score of 53
  - Less than 0 = poor results, program not liked
  - 0-50 = good, program liked
  - >50 = excellent, program very well liked

- Approx. 102 described weakness

- Approx. 378 described positive
ND PDMP Survey Overview

Themes

- What are negatives
  - Cumbersome registration
  - Difficult program (access and use)
  - Takes too much time to access and obtain results
  - Patient data required too specific
  - Question accuracy, seems incomplete
  - Need more education to use
ND PDMP Survey Overview

- What are positives
  - Accessible anytime, immediate
  - Provides important data, allows for a large picture of patient prescriptions
  - Prevents from contributing to additive behaviors
  - Easy to access
  - User friendly
  - Multiple states feature is useful
  - Great resource for practice
  - More information to make more informed decisions

NDPDMP, 2015
Improving PDMP Use in APRN Practice

Registration process

- Measures to enhance ease of registration
  - Attending state based conferences
    - ND PDMP & Board of Pharmacy teamed attending APRN conferences
    - Sign up on the spot
    - Provide education on PDMP
  - Collaborating with Boards of Nursing to facilitate ease of registration
    - NDBON representative on PDMP Advisory council
    - Seeking ways to eliminate notary requirement
Improving PDMP Use in APRN Practice

- **Education**
  - Prescriber education on PDMP registration and utilization in practice
  - Consider educational opportunities at APRN conferences through presentations and PDMP booths

- **Follow-up**
  - Letters sent to prescribers not registered
  - Consideration of prescriber legal mandates

NDPDMP, 2015; Rutkow et al. 2015
Legislation Impacting APRN Use of PDMP

- Legislation
  - Collaborations: Board of Pharmacy, Attorney General, Board of Medical Examiners, Pharmacy Association, Department of Health, Law Enforcement
  - Developed Bill allowing Licensing Boards to write own PDMP rules
  - Mandates related to registration and access

- Rules
  - Registration rules
  - Utilization rules
Conclusion

- As an APRN, the PDMP can provide accurate and timely information pertaining to prescribing controlled substances for our patients.

- This is a tool to promote safe prescribing for these medications.

- There is still work to be done to promote registration and use of the PDMP and education will go a long way in promoting this program.
References


References


References


