

Welcome



Brett Norman
Symposium Moderator
POLITICO Health Policy Editor



Balancing Access and Use of Opioid Therapy

6th Annual Research Symnosium

Overview on Opioid Pain Therapy Misuse and Abuse and Federal Initiatives



Christopher M. Jones, PharmD, MPH
Director, Division of Science Policy
Office of the Assistant Secretary for Planning
and Evaluation

U.S. Department of Health and Human Services (HHS)



Balancing Access and Use of Opioid Therapy

6th Annual Research Symposium

The Opioid Epidemic and the Federal Response

Christopher M. Jones, PharmD, MPH

CDR, US Public Health Service

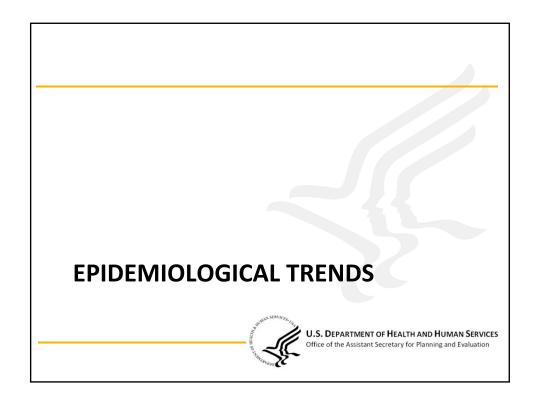
Director, Division of Science Policy

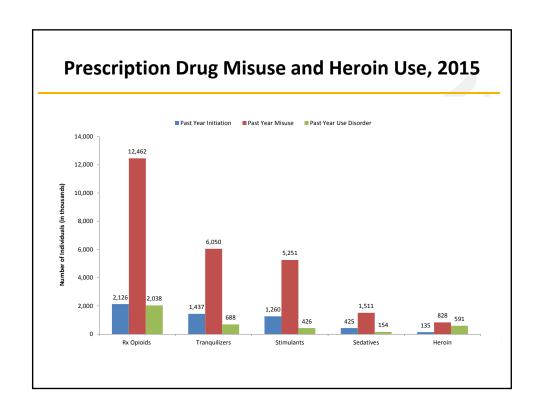
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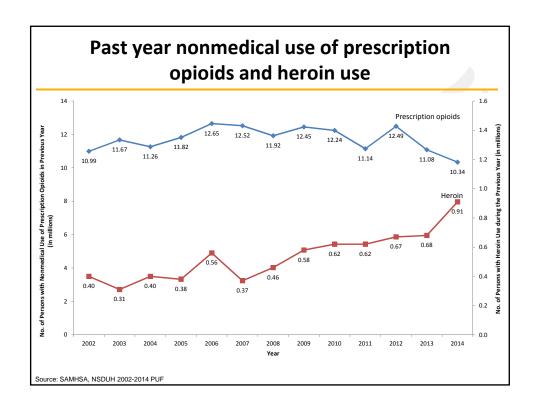


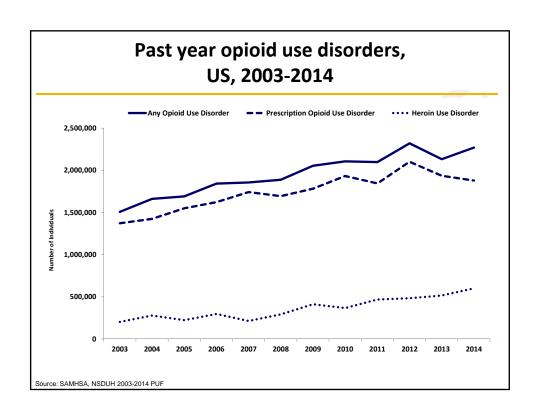
Overview

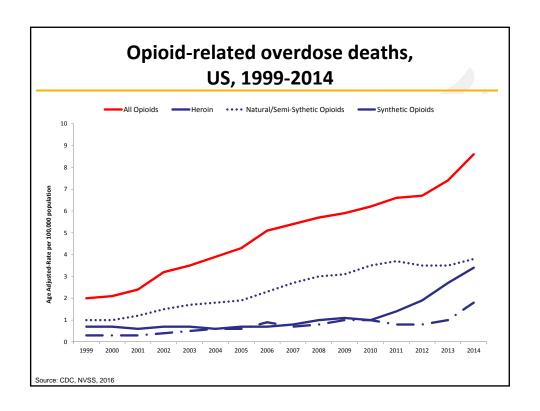
- Epidemiological trends
- HHS Opioid Initiative
- Conclusions

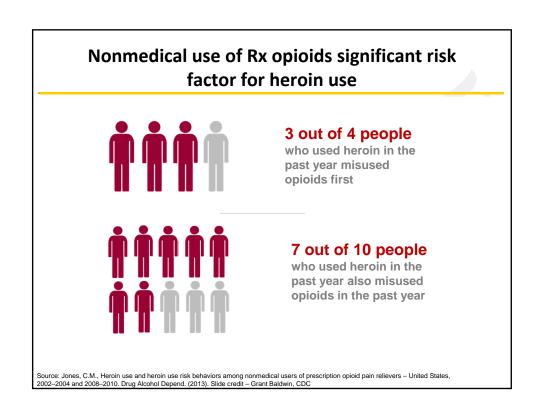






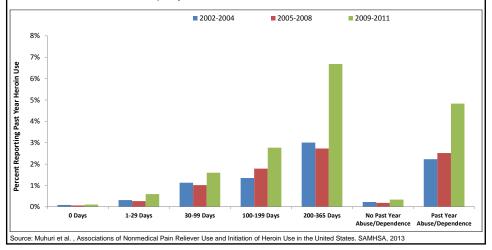






Frequent nonmedical users of Rx opioids and those with abuse/dependence most likely to initiate heroin

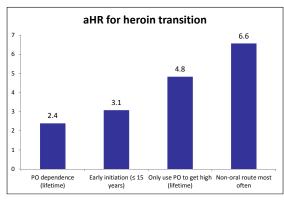
- 3.6% of nonmedical users of Rx opioids had initiated heroin use within 5 years of initiating nonmedical use
- Initiation rate of <1.0% per year



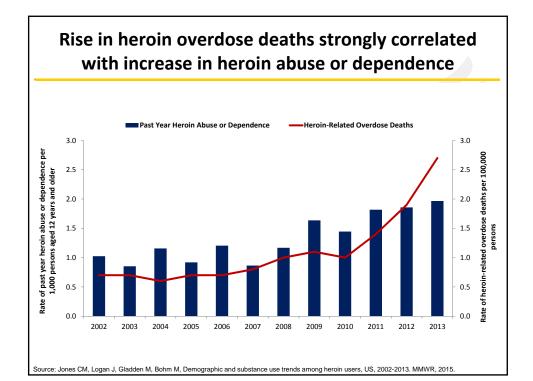
Heroin initiation rates among people nonmedically using Rx opioids

- Carlson et al 2016
- Columbus, Ohio
- Age 18-23 at recruitment in 2009-2010
- NMU of Rx opioids ≥ 5 day in past 90 days
- No Hx of lifetime opioid dependence
- No Hx of heroin use or IDU
- Not involved in CJ system or SUD Tx in past 30 days
- Followed for 3 years

- 27 of 362 (7.5%) initiated heroin use during 36 months of study
- Transition rate of 2.8% per year



Source: Carlson et al. Drug Alcohol Depend. 2016;160:127-134

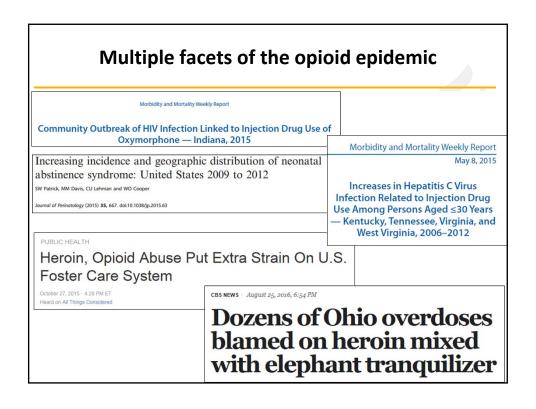


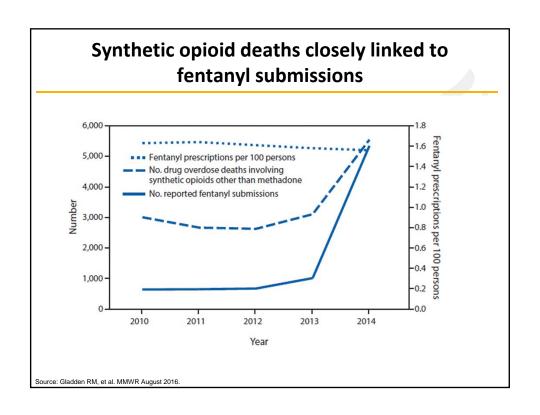
Circumstances of Rx opioid nonmedical use and heroin initiation

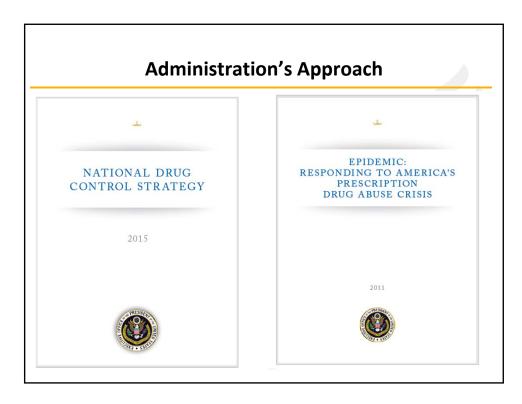
Harocops et al., 2016

- Interviews between 8/2013 and 1/2015
- Cycle of oral to intranasal to injection
- Dependence, social context, economics, and availability all factors in heroin initiation
- Median time from first Rx opioid misuse to heroin use was 3 years
- Among those with no Hx of IDU prior to heroin initiation, median time between intranasal and IV heroin use was 6 months

Source: Harocops et al., Int J Drug Policy 2016;28:106-112

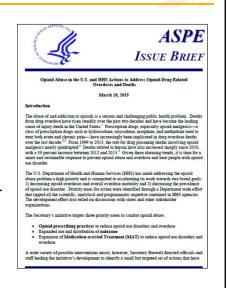


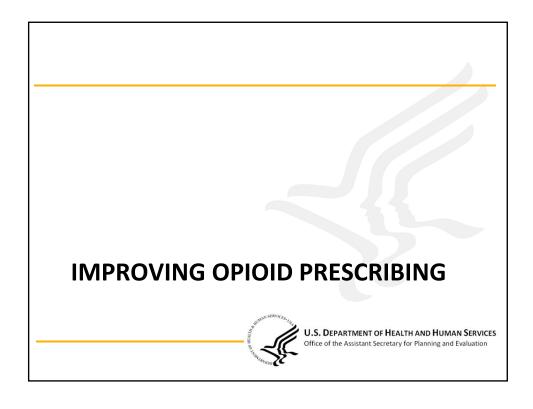


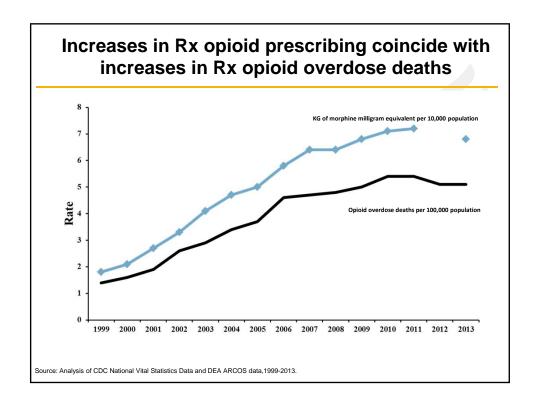


HHS Opioid Initiative

- Launched by Secretary Burwell in March 2015
- Three focus areas
 - Improve opioid prescribing
 - Increase use of naloxone to reverse opioid overdose
 - Expand use of Medication-Assisted Treatment (MAT) for opioid use disorders



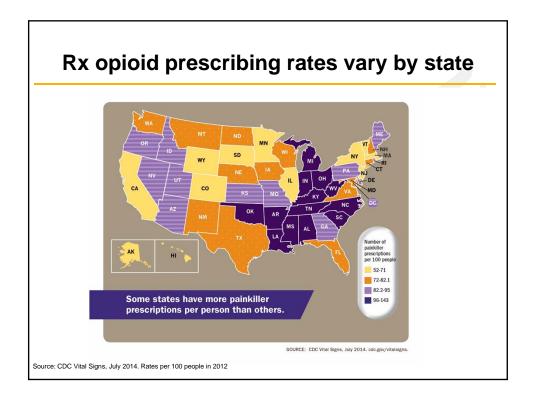


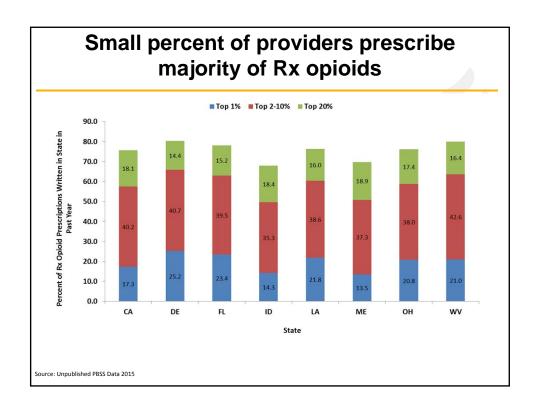


Changes in prescribing trends

- High dose prescribing
- Longer duration
- Prescribing for conditions that don't really benefit from opioids
- Multiple providers/multiple pharmacies
- Opioid and benzodiazepine combination
- Opioids and alcohol and other sedating drugs

Source: Hwang et al., 2016. AJPM



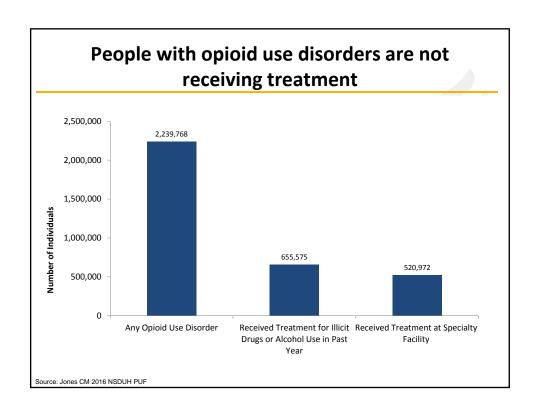


Improve opioid prescribing



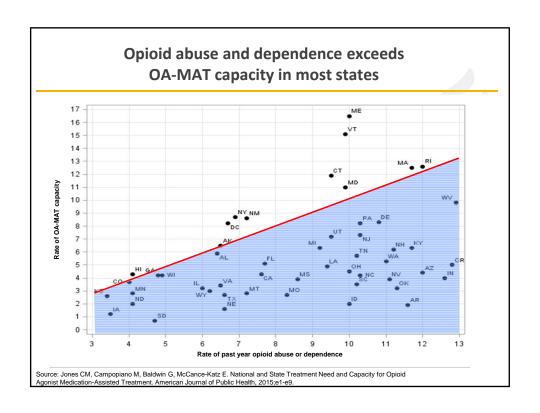
- CDC opioid prescribing guidelines
- CDC Prevention for States funding
- Educational programs from FDA, NIDA, SAMHSA
- EHR/Clinical decision support
- Recent PR on HCAHPS
- IHS PDMP policy
- Implementation of the National Pain Strategy
- Engagement with health profession community

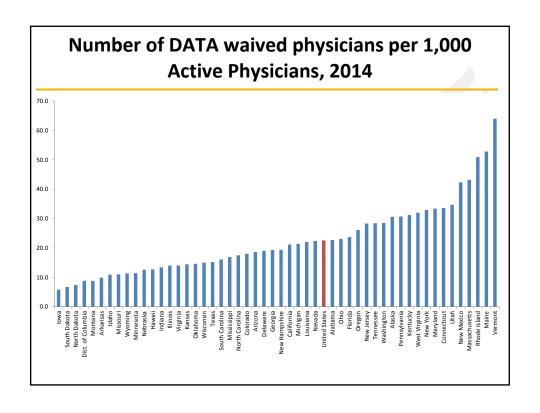


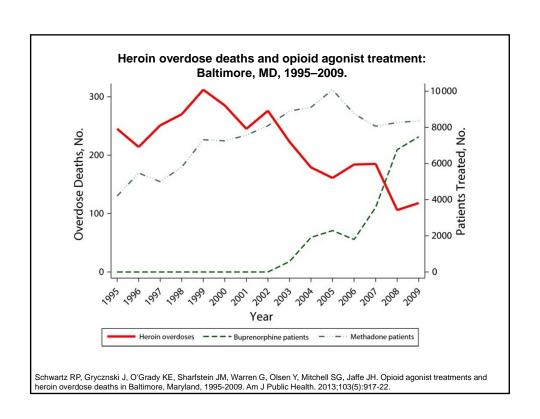


Reasons why people didn't get treatment

Reason	Percentage
Treatment Cost/No Insurance/Insurance didn't cover	
treatment	47.8
Not ready to stop use/Didn't feel need for treatment/Could	
handle problem without treatment	35.0
Stigma	30.2
Awareness of treatment	12.3
Other	11.7
Availability of treatment	10.2
ource: Jones CM 2016 NSDUH PUF	

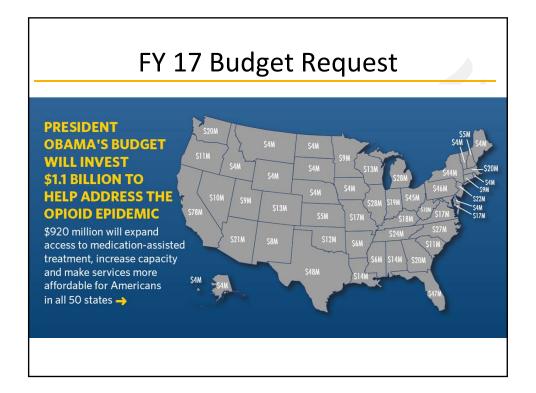






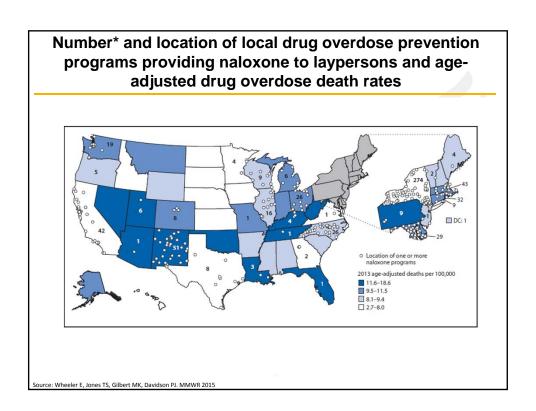
HHS efforts to expand access to MAT

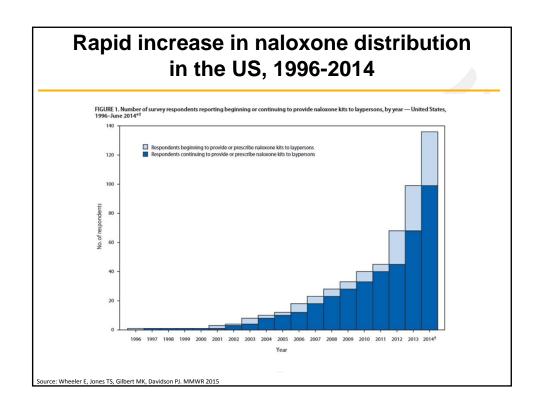
- Approval of Probuphine
- Buprenorphine patient limit final rule
- SAMHSA grants to states in FY15 and FY16
- HRSA \$94 million for MAT in Community Health Centers
- AHRQ grants for MAT in rural primary care
- Parity
- Medicaid expansion
- CARA

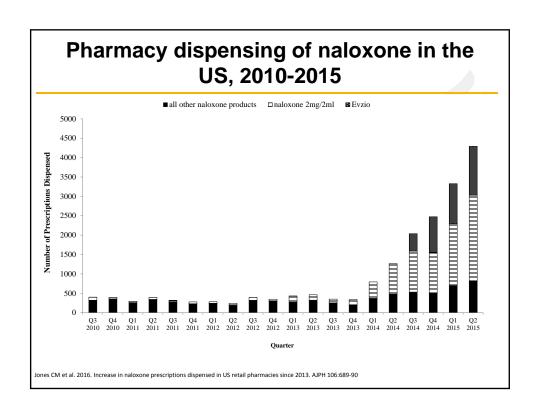


INCREASING USE OF NALOXONE









Increase use of naloxone

- FDA and NIDA support to develop new formulations
- SAMHSA overdose toolkit
- Funding for states and communities to purchase, train, and distribute naloxone
 - HRSA funding to 18 rural communities in 2015
 - \$11 million for SAMHSA state grants in FY16
- Support state-level efforts to expand access





Conclusions

- There is a continued urgency to address the public health crisis of opioid misuse, use disorder, and overdose
- · Improving prescribing is a critical component
- Early identification of problematic opioid use and engagement in appropriate levels of treatment are critical in preventing morbidity and mortality
- Expansion of naloxone is needed
- Collaboration with all key stakeholders is paramount





AMCP Foundation 6th Annual Research Symposium

Managed Care Pharmacy's Leadership & Opportunities in CARA Implementation

Susan A. Cantrell, RPh, CAE

AMCP CEO

AMCP Foundation Chair

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Scope of Opioid Addiction Problem

 Nearly 2 million Americans suffered substance use disorders related to opioids (2014). An additional 586,000 people were addicted to heroin.

(Substance Abuse and Mental Health Services Administration).

- Overdose deaths from all opioids have increased by 200 percent since 2001.
- Opioids were involved in 61 percent of the more than 47,000 U.S. drug overdose deaths in 2014.

(Centers for Disease Control)



Scope of Opioid Addiction Problem

- Payments for opioid dependency or abuse increased 1,375 percent — from roughly \$32 million in 2011 to nearly \$446 million in 2015.
- Insurers paid an average of \$19,333 for patients with an opioid abuse or dependence diagnosis 563 percent more than the \$3,435 average paid for all patients.
- From 2007 to 2014, insurers saw 3,200 percent increase in claims containing an opioid dependence diagnosis.

(FAIR Health, Inc.)



2014 Partnership Forum

Partnership Forum: 'Breaking the Link Between Pain Management and Opioid Use Disorder'

- Holistic and evidence-based approach to pain management and OUD treatment
- Engage patient in decision-making process
- Include coordination with medical, pharmacy, behavioral and mental health care givers
- Seamlessly supported by a technology infrastructure.



2014 Partnership Forum

- Conduct continuing pharmacy education programs
- Develop a best practices toolkit on pain management
- Actively promote quality standards for OUD prevention and treatment



2014 Partnership Forum

Collaborate with organizations representing addiction treatment experts and managed care to review current practices and identify areas for substantial improvements in patient outcomes.



Addiction Treatment Advisory Group (ATAG)

Diverse stakeholders:

Behavioral health organizations, outpatient treatment centers, nonprofit advocacy groups, health plans, pharmacy benefit management companies, specialty pharmacies, employers, hospitals and manufacturers.



Addiction Treatment Advisory Group (ATAG)

ATAG's objectives:

- Identify and prioritize areas with the greatest potential to significantly improve patient outcomes;
- Develop recommendations to remove barriers, improve processes and modify systems to improve outcomes;
- Serve as advocates in adopting recommended changes;
- Support development of educational programs for managed care decision makers.



ATAG Recommendations

Evaluate and update, as needed, managed care policies, processes, and benefit designs related to substance use disorders based on current evidence and evolving understanding of substance use disorders as chronic health conditions.



ATAG Recommendations

Enhance continuity of care for patients with substance use disorders by actively managing transitions of care between sites of care, and between medical, pharmacy and mental health needs.



ATAG Recommendations

Improve health care professional and patient awareness of, and access to, medications used in the treatment of substance use disorders.



Comprehensive Addiction and Recovery Act

CARA creates a framework for opioid abuse prevention and treatment:

 Authorizes \$181 million in new spending to strengthen efforts at prevention, treatment and recovery



CARA: Roles for Pharmacists

- Member of Task Force on Pain Management.
- Grants to pharmacists for strategies to dispense medications for emergency treatment of suspected overdoses.
- Drug management programs ("lock-in" programs).
- Pharmacists will be part of HHS stakeholders group to provide input on impact of drug management programs, and defining "at-risk" populations.



CARA Reauthorizes NASPERS

National All Schedules Prescription Electronic Reporting Act

- 1. NASPERS provides grants to state prescription drug monitoring programs (PDMPs).
- 2. Grants encourage states to improve PDMPs by increasing interoperability and the use of health-IT, e-health records, health information exchanges and e-prescribing.



AMCP Advocacy on CARA

Task Force on Pain Management

Improve Access to Overdose Treatment

NASPER Reauthorization



AMCP Advocacy on CARA

Task Force on Pain Management

Improve Access to Overdose Treatment

NASPER Reauthorization

Medication-assisted Treatment for Recovery



Conclusion

Managed care plays a central role in such things as:

Population management
Appropriate medication selection
Care coordination
Provider education

Uniquely positioned to provide solutions to this problem.





The Path of Pain: Maze or Labyrinth?

Glenna M. Crooks, Ph.D. Founder and CEO

Glenna@glennacrooks.com Glenna@sagemylife.com 215-545-2023

Strategic Health Policy International, Inc.

and

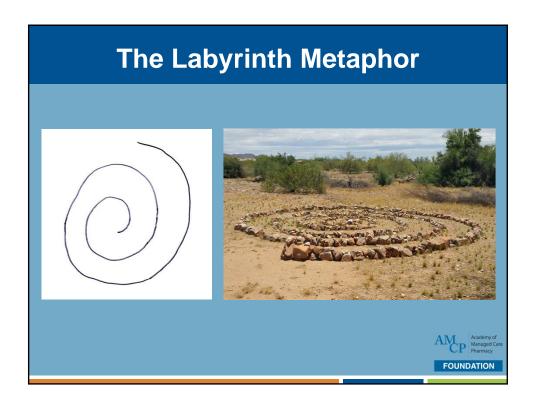
SageLife, LLC

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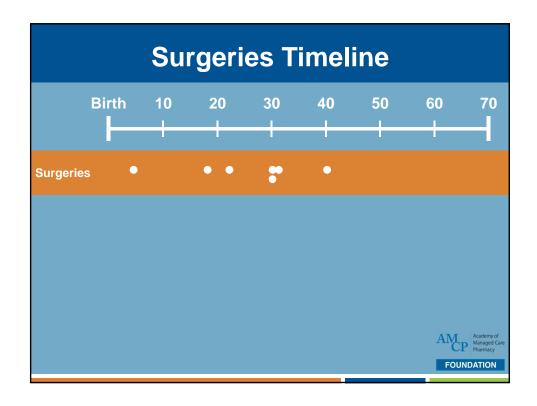


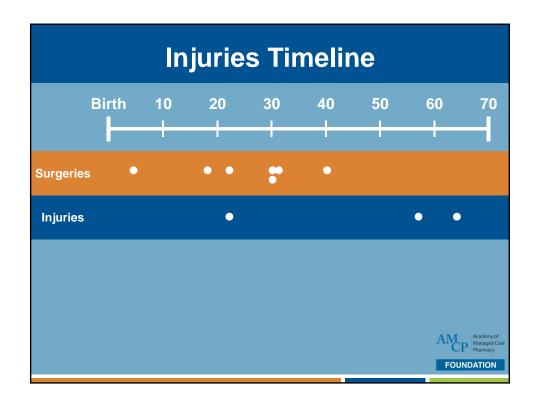


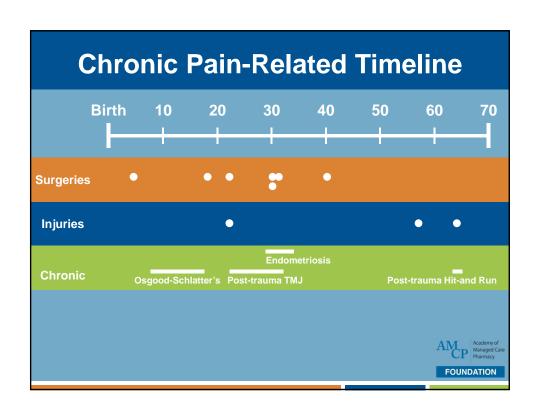
Overview

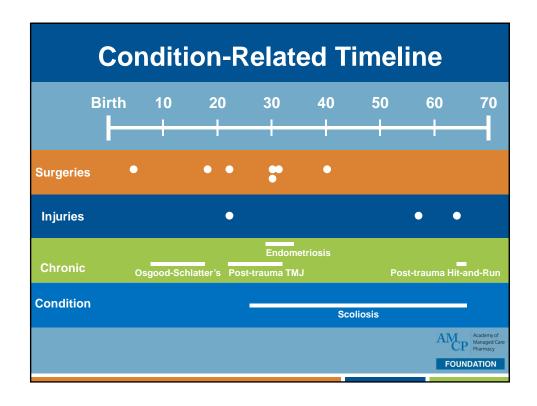
- Personal patient experience
- Pain history
- Pain impact
- Pain-relief methods

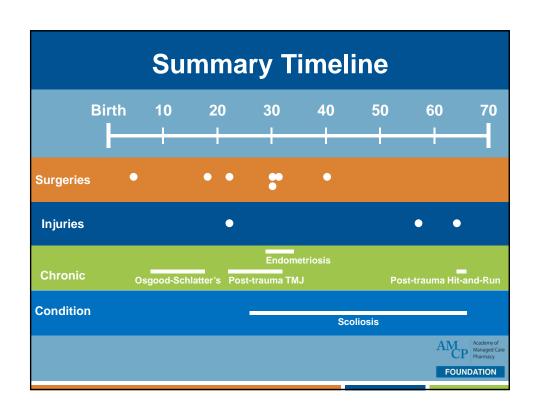












"In Your Face" Impact

Grief, Loss, Longing

- Normalcy
- Wholeness
- Relaxation
- Safety
- Confidence in the body
- Trust in others
- Idealization of others
- Authenticity
- Life meaning

Other

- Fear
- Vulnerability
- Helplessness
- Shame
- Alienation from self/others
- Rejection/social isolation
- Anger-Depression Loop
- Constriction



Early Pain Management

Professionals

- Physicians
- Surgeons
- Dentists

Products

- Tylenol with Codeine #3, 1-2 days post-op
- OTC Pain Relievers



Later Pain Management

Professionals

- Physicians
- Clinical Researchers

Products

- Motrin + Valium, one dose in TMJ clinical trial
- OTC Pain Relievers
- Metaxalone
- Modafanil



Canyon Ranch Alternative "Finds"

- Acupuncture
- Strength training
- Eye Movement Desensitization & Reprocessing
- Emotional Freedom Technique (Tapping)
- Healing Touch

- Reiki
- Hypnotherapy
- Massage Therapists
- Neuromuscular Massage Therapists
- Mindfulness Meditation
- Nutrition, Wellness and Sleep



Other Alternative "Finds"

Yoga

- BigMind (Zen)
- Trauma-Specialist Psychiatrist
- Rolfing
- Work
- Open-Focused Brain
- Spire App (breathing)
- Muse App (meditation)
- Neuroscience







Balancing Harm Reduction withPatient Access to Pain Management Therapies

October 3, 2016

Cynthia Reilly, MS, BS Pharm
Director, Substance Use Prevention and Treatment Initiative
The Pew Charitable Trusts

Tools that Balance Safer Opioid Use and Patient Access

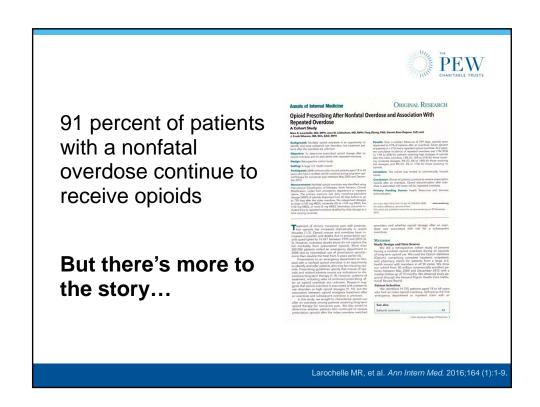


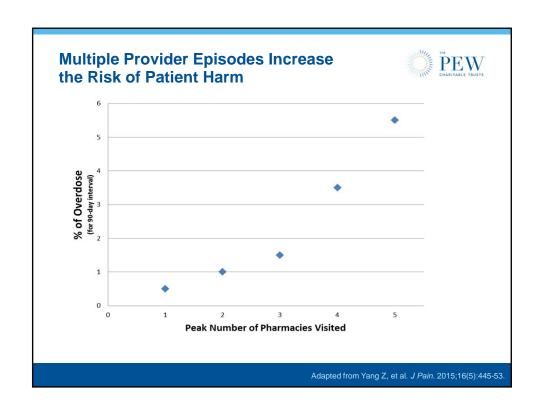
Prescription Drug Monitoring Programs (PDMPs)

Patient Review and Restriction Programs (PRRs)









Optimizing Use of PDMP Data



In response to evidence of doctor shopping:

- -68 percent discussed it with the patient
- -32 percent screened for substance use disorders (SUD)
- 13 percent referred patient for SUD treatment

Only 6 percent discharged the patient from their care

 $http://digital commons.library.umaine.edu/cgi/viewcontent.cgi?article=1020\&context=ant_facpub$



Innovative PDMP Practices to Improve Patient Care

Prescriber-set thresholds

Expanded patient data (e.g., overdose events)



PRR programs can:

- Reduce opioid usage to safer levels
- Save lives
- Reduce healthcare costs



https://www.cdc.gov/drugoverdose/pdf/pdo_patient_review_meeting-a.pdf





Curbing Prescription Drug Abuse With Patient Review and Restriction Programs

PRR characteristics and structures can:

- Impact effectiveness
- Support or inhibit improved patient care

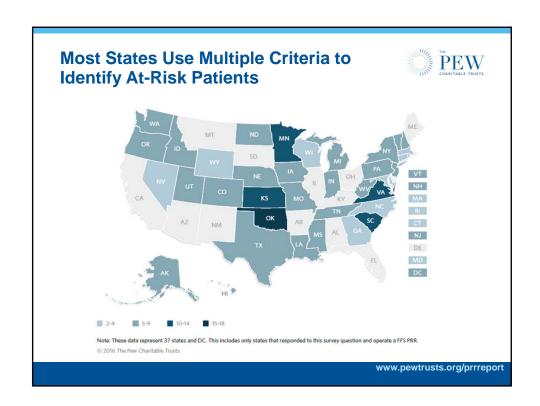
www.pewtrusts.org/prrreport

Example Criteria Used by Medicaid PRRs for Patient Enrollment



- Number of pharmacies
- Number of prescribers
- Number of controlled substance prescriptions
- Evidence of therapeutic duplication

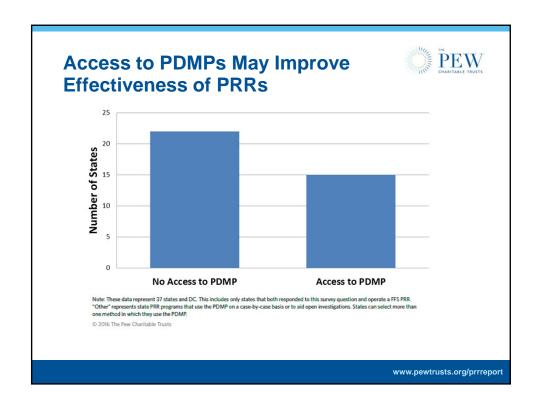
www.pewtrusts.org/prrreport





Over 50% of Medicaid PRR programs are not offering patients additional services to improve patient care.

www.pewtrusts.org/prrreport



PRRs and Patient Outcomes



Intermediate or process measures indicate possible reduction in patient harms:

- Decreases in # pharmacies visited
- Decreases in # prescribers visited
- Reductions in prescription volume
- Decreased emergency room used

www.pewtrusts.org/prrreport

Conclusions



- PDMPs and PRRs are valuable tools to achieve harm reduction while ensuring patient access
- There are opportunities to enhance these tools and address barriers to their use
- Research is needed to better define impact and best practices for these programs



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http://www.pewtrusts.org/SubstanceMisuse

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AMCP Opioid Symposium: Prescriber Perspectives

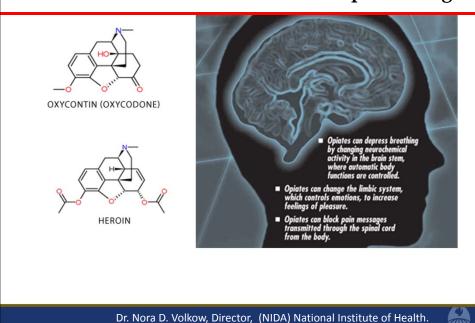
G. Caleb Alexander, MD, MS Center for Drug Safety and Effectiveness October 3, 2016



Protecting Health, Saving Lives—Millions at a Time

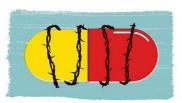


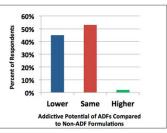
Similarities Between Illicit & Prescription Drugs



Abuse Deterrent Formulations

- Abuse-deterrent formulations target the known or expected routes of abuse, such as crushing in order to snort or dissolving in order to inject, for the specific opioid drug substance in that formulation
- Manufactures and FDA consider development of abusedeterrent formulations a priority and are aggressively encouraging their development





Segal J. 2013.



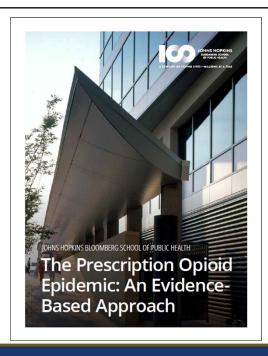




- Informing Evidence with Action
 - Scaling up evidence-based interventions; rapidly implementing and evaluating promising policies and programs
- Intervening Comprehensively
 - All along supply chain; clinic, community and addiction treatment settings; primary, secondary and tertiary prevention; creating synergies across different interventions
- Promoting appropriate & safe opioid use
 - Reducing overuse; focus on safe use, storage and disposal; optimizing use in accordance with best practices











Protecting Health, Saving Lives—Millions at a Time

As a leading international authority on public health, the Johns Hopkins Bloomberg School of Public Health is dedicated to protecting health and saving lives. Every day, the School works to keep millions around the world safe from illness and injury by pioneering new research, deploying its knowledge and expertise in the field, and educating tomorrow's scientists and practitioners in the global defense of human life.





PCSS Projects

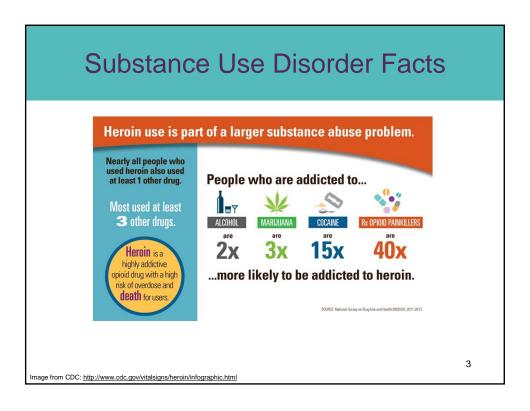
Kathryn L. Cates-Wessel
Executive Director, AAAP
PCSS-MAT and PCSS-O PI and Project Director

1

Educational Objectives

At the conclusion of this activity participants should be able to:

- Describe the two SAMHSA-funded projects PCSS-O and PCSS-MAT
- Navigate both PCSS-O and PCSS-MAT websites to find educational resources available to the public
- Utilize free mentoring/coaching program that allows primary care providers direct access to clinical experts in addiction psychiatry and addiction medicine
- Summarize data from key educational activities, identifying key barriers in treating patients using MAT therapies.



Substance Use Disorder Facts continued 20% of drug-related The Drug Danger Zone: Most Illicit Drug Use Starts in the Teenage Years hospital admissions are due to heroin and Those Who Have Never opiates* 8.0% In 2015, deaths from opioid/heroin overdoses 4.5% overtook deaths from 2.9% automobile accidents* Age Group *Data from NIDA: https://www.drugabuse.gov/publications/drugfacts/drug-related-hospital-emergency-room-visits **Data from DEA: https://www.dea.gov/divisions/hg/2015/hq110415.shtml Image from NIDA: https://www.drugabuse.gov/publications/drugs-brains-behavior-science-addiction/preventing-drug-abuse-best-strategy 4

Prescription Drug Abuse: Young People at Risk

About 1 in 9 youth



or 11.4 percent of young people aged 12 to 25 used prescription drugs nonmedically within the past year.3



- ¹ Past Year Use
- ² Monitoring the Future Survey, 2011
- ³ National Survey on Drug Use and Health, 2010

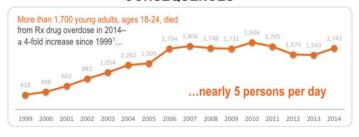
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Image from NIDA: https://www.drugabuse.gov/related-topics/trends-statistics/infographics/prescription-drug-abuse-young-people-risk

Abuse of Prescription (Rx) Drugs Affects Young Adults Most PAST-YEAR USE MOTIVATIONS FOR USE Most young adults say they use Rx drugs to 3,4,5 relieve pain lose weight deal with problems E increase alertness 18 to 25 26 and Older ≥experiment In 2014, the nonmedical use of relax prescription drugs was highest among young adults.2 6 $Image\ from\ NIDA:\ https://www.drugabuse.gov/related-topics/trends-statistics/infographics/abuse-prescription-rx-drugs-affects-young-adults-most$



CONSEQUENCES



Among young adults, for every death due to Rx drug overdose, there were:

119

Emergency Room Visits⁶ **22**

Treatment Admissions⁷

. . . .

 $Image\ from\ NIDA:\ https://www.drugabuse.gov/related-topics/trends-statistics/infographics/abuse-prescription-rx-drugs-affects-young-adults-most$

What is PCSS-MAT?

The Providers' Clinical Support System for Medication Assisted Treatment is a three-year grant funded by SAMSHA in response to the opioid overdose epidemic.

PCSS-MAT is a national training and mentoring program developed to educate healthcare professionals on the use and availability of the latest pharmacotherapies.

PCSS-MAT Target Audience

 The overarching goal of PCSS-MAT is to make available educational and training resources on the most effective medication-assisted treatments to serve patients in a variety of settings, including primary care, psychiatric care, and pain management settings.

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PCSS-MAT Training Modalities

PCSS-MAT offers no-cost training activities with CME to health professionals through the use of:

- Webinars (Live and Archived)
- Online Modules
- Case Vignettes
- MAT Waiver Trainings
- One-on-one and Small Group Discussions—coaching for clinical cases

In addition, PCSS-MAT offers a comprehensive library of resources:

- · Clinical Guidances and other educational tools
- Community Resources
- PCSS Listserv Provides a "Mentor on Call" to answer questions about content presented through PCSS-MAT. To join email: pcssmat@aaap.org

PCSS-MAT Mentoring Program

- Designed to offer general information to clinicians about evidencebased clinical practices in prescribing medications for opioid addiction.
- A national network of trained providers with expertise in **medication**assisted treatment, addictions and clinical education.
- 3-tiered mentoring approach allows every mentor/mentee relationship to be unique and designed to the specific needs of both parties.
- The mentoring program is available at no cost to providers.

For more information to request or become a mentor visit: pcssmat.org/mentoring

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PCSS-MAT Program Highlights

- 144 webinars and online modules with 40,747 training participants
- 309 Buprenorphine waiver trainings with 5,397 training participants
- Over 150 clinicians have participated in Small Group Discussions within the mentoring program (new initiative starting 2015)
- 55 mentors and 250 mentees and growing

PCSS-MAT training data as of 8/30/2016

Mentee Feedback

"I wanted to compliment my Mentor. I sent an email to him with a question...and within four hours I had not only his response but the input of four of his peers. This is a great service for those of us who are stretching the edges of what we would otherwise consider 'comfortable."

William Roberts, MD, Medical Director,
 Northwestern Medical Center Comprehensive
 Pain Management

PCSS-MAT Waiver Trainings

- 93 percent of trainees reported the buprenorphine waiver training would help them in their practice.
- 81 percent agreed or strongly agreed they planned to use buprenorphine in their practice.
- 65 percent said up to 10 percent of their patients were candidates for MAT.
- More than 90 percent rated the course and instructor highly.

PCSS-MAT 2015 evaluation summary

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14 State Initiative: Connecting the Dots

As part of a pilot program, PCSS-MAT is working collaboratively with state medical societies, Governor's offices, medical schools, state chapters of key primary care professional organizations to train primary care providers in the use of medication assisted treatment in treating OUD.



States part of this pilot program: Kentucky, Mississippi, Missouri, Nevada, New Hampshire, New Mexico, North Carolina, Ohio, Oklahoma, Pennsylvania, Tennessee, Utah, Virginia, and West Virginia

PCSS-MAT CONTRIBUTION

- Work with SAMHSA and HRSA to provide support in outreach to the 14 states.
- Coordinate with states to define who should be included in the coalition—key organizations and individuals.
- Identify leaders from DATA 2000 partners and Steering Committee in each of 14 states to be local champions AND provide trainers to provide MAT waiver training.
- Facilitate discussions with all partners within each state and among DATA 2000 organizations and trainers.
- Create a website for sharing resources specifically for project.
- Create a state specific resource guide on MAT and local resources.
- Create a calendar of events to track activities.



PCSS-MAT is a collaborative effort led by American Academy of Addiction Psychiatry in partnership with: American Osteopathic Academy of Addiction Medicine, American Psychiatric Association, American Society of Addiction Medicine, Association for Medical Education and Research in Substance Abuse, American College of Physicians, American College of Emergency Physicians, and National Association of Drug Court Professionals

For more information visit: www.pcssmat.org
For questions email: pcssmat@aaap.org



Funding for this initiative was made possible (in part) by Providers' Clinical Support System for Medication Assisted Treatment (grant nos. 5U79Tl024697 and 1U79Tl026556) from SAMHSA. The views expressed in written conference materials or publications and by speakers and moderators do not necessarily reflect the official policies of the Department of Health and Human Services; nor does mention of trade names, commercial practices, or organizations imply endorsement by the U.S. Government.





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What is PCSS-O?

The Providers' Clinical Support System for Opioid Therapies is a three-year grant funded by SAMHSA in response to the opioid overdose epidemic.

Through education and colleague support, this national coalition of healthcare organizations is charged with creating no-cost trainings on the safe and effective use of opioids for treatment of chronic pain and opioid use disorders.



PCSS-O Target Audience

- The overarching goal of PCSS-O is to offer evidencebased CME trainings on the safe and effective prescribing of opioid medications in the treatment of pain and/or opioid addiction.
- Our focus is to reach providers and/or providers-intraining from diverse healthcare professions including physicians, nurses, dentists, physician assistants, pharmacists, and program administrators.



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Prescription Painkiller Misuse

- 4.3 million Americans engaged in nonmedical use of prescription painkillers in the last month.
- Approximately 1.9 million Americans met criteria for prescription painkillers use disorder based on their use of prescription painkillers in the past year.



Data from SAMHSA: http://www.samhsa.gov/atod/opioids Image from CDC: http://www.cdc.gov/drugoverdose/index.html Image from CDC: http://www.cdc.gov/drugoverdose/epidemic/index.html



P C O TRAINING

S S PROVIDERS' CLINICAL SUPPORT SYSTEM
For Opioid Theraples

Prescription Painkiller Misuse

- 1.4 million people used prescription painkillers non-medically for the first time in the past year.
- The average age for prescription painkiller first-time use was 21.2 in the past year.

Since 1999, sales of prescription opioids in the U.S. have quadrupled.

Since 1999, prescription opioid overdose deaths have quadrupled.





Data from SAMHSA: http://www.samhsa.gov/atod/opioids Image from CDC: http://www.cdc.gov/drugoverdose/index.html Image from CDC: http://www.cdc.gov/drugoverdose/data/prescribing.html



PCSS-O Training Modalities

PCSS-O offers training activities with CME at no-cost to health professionals through the use of:

- **Live Webinars**
- **Archived Webinars**
- **Online Modules**

In addition, PCSS-O offers clinical resources and coaching:

- Clinical Guidances and educational tools
- Coaching/peer support -one-on-one, small group discussions
- PCSS Listserv: Provides an "Expert of the Month" to answer questions about content presented through PCSS-O project. To join email: pcss-o@aaap.org.



PCSS-O Colleague Support Program

- Offers general information to health professionals seeking guidance on evidence based practices in prescribing opioid medications and treating pain.
- Comprised of a national network of trained providers with expertise in addictions, psychiatric co-occurring disorders and pain management.
- Allows every colleague relationship to be unique and designed to the specific needs of both parties to help with clinical cases.
- Available at no cost.

For more information on requesting or becoming a mentor visit: www.pcss-o.org/colleaque-support



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PCSS-O Program Highlights

- 26,497 webinar and online module participants (since July 2011)
- 5,640 PCSS-O phone app downloads
- 644 PCSS Listsery members
- 50 mentors involved
- 173 mentees participating
- 70 clinicians have participated in Small Group Discussions within the mentoring program

"I work at small rural health clinic with a nurse practitioner. We see many patients with chronic pain and substance abuse problems. We have very few resources available for our patients; no dietitian, limited counseling and psychiatry, etc. The Pain Tracker looks like a very useful tool and hopefully it will be available in EPIC soon. I have found the chain of emails on PCSS-O very interesting. It makes me feel less isolated. Thanks for all the helpful comments and handouts."

- Sheila Raumer, MD, PCSS Listserv Member

PCSS-O training data as of 8/22/2016



PCSS-O Webinar Participants

- 37 percent of participants are physicians
- 33 percent of participants are nurses
- Other disciplines include: counselors, pharmacists, social workers, and psychologists
- The largest majority or participants were psychiatrists (26%); family medicine (16%); internal medicine (12%); and pediatrics (10%).
- After taking trainings, 75% of participants said they were "confident" or "very confident" in their ability to safely prescribe opioids for pain.

P C O TRAINING
S S PROVIDERS' CLINICAL SUPPORT SYSTEM
For Opioid Theraples

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PCSS-O 2015 evaluation summary



PCSS-O is a collaborative effort led by American Academy of Addiction Psychiatry in partnership with: Addiction Technology Transfer Center, American Academy of Neurology, American Academy of Pain Medicine, American Academy of Pediatrics, American College of Physicians, American Dental Association, American Medical Association, American Osteopathic Academy of Addiction Medicine, American Psychiatric Association, American Society for Pain Management Nursing, International Nurses Society on Addictions, and Southeast Consortium for Substance Abuse Training.

For more information visit: www.pcss-o.org
For questions email: pcss-o@aaap.org



Funding for this initiative was made possible (in part) by Providers' Clinical Support System for Opioid Therapies (grant no. 5H79T1025595) from SAMHSA. The views expressed in written conference materials or publications and by speakers and moderators do not necessarily reflect the official policies of the Department of Health and Human Services; nor does mention of trade names, commercial practices, or organizations imply endorsement by the U.S. Government.

NABP: Update on Prescription Monitoring Programs



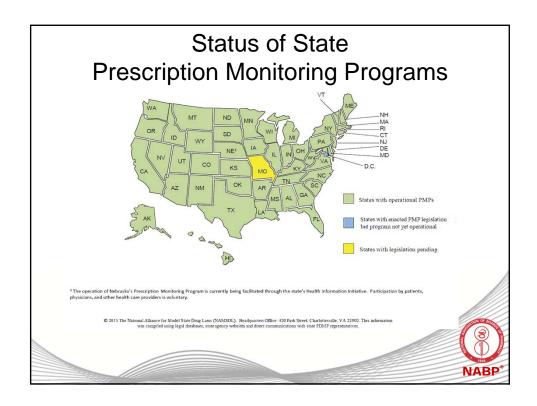
Philip P. Burgess, RPh, DPh, MBA President, Philip Burgess Consulting, LLC

NABP⁶

NABP Mission Statement

The National Association of Boards of Pharmacy is an independent, international, and impartial association that assists its member boards and jurisdictions for the purpose of protecting the public health.



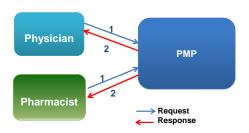


Prescription Monitoring Programs (PMP): National Landscape

- 49 states have a functional PMP
- District of Columbia will be fully operational in Oct.
- Missouri no authorizing legislation
- St. Louis County, MO is preparing to develop a county-wide PMP. St. Louis city and other counties might participate.



PMP Data Requested from State PMPs



- · State pays full cost, including fees for software, Internet, etc.
- · No cost to pharmacy to report prescription data.
- No cost to prescriber or pharmacist to access patient information.

Prescription Monitoring Programs (PMP): Prescription Data Collected

- Date of Dispensing
- Dispenser (pharmacy) identity
- Drug identity and quantity
- Patient identity
- Prescriber identity



Good News about PMPs

- They are an effective tool.
- They operate in 49 states + DC (in Oct).
- They provide prescription drug information to treating health care professionals.
- Timeliness is improving (daily reporting required in 32 states).
- "One-click access" (via icon) is widely available and rapidly expanding.

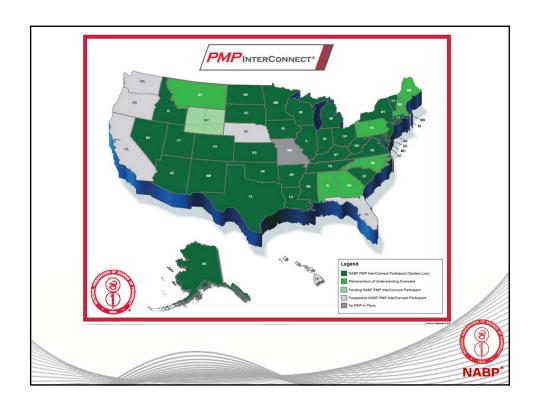


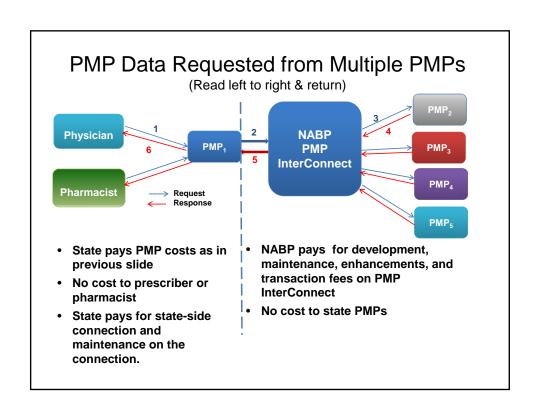
Main shortcoming of PMPs: Patients cross state borders

Solution - PMP InterConnect









Each State Controls All Access to Its Data

- Each state sets all of the "permissions" for that state with regard to the sharing of PMP data.
- A state may not be permitted by regulation to share with ALL states. Example: Iowa
- Only the state PMP administrator/director has access and controls these "permissions".

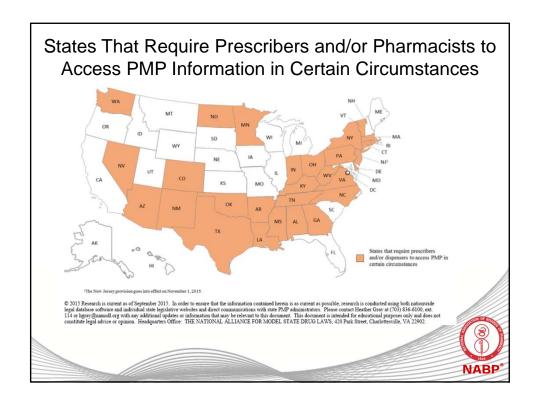
Shortcomings of PMPs

Low utilization by health care

Solutions:

- Mandatory PMP registration (usually with license renewal)
- Mandatory PMP use (criteria vary)
- "One-Click Access"





Future Steps to Increase Utilization of PMP Data

- Add additional states to PMP InterConnect.
- Promote "one-click access" to a patient's PMP data within workflow for health care providers:
 - Health care systems or exchanges,
 - Electronic medical records,
 - Health information exchanges, and
 - Pharmacy software dispensing systems.



Changing the way PMP data is used

- PMP Gateway[®] is an interface that give "one-click" access to a patient's controlled substance prescription history from the PMP into health IT systems.
- Provides health IT systems a single access point to multiple state PMPs' data via PMP Interconnect, thus saving healthcare providers the cost of individual integrations with each state PMP.
- PMP Gateway is live with implementations in 21 states
- Currently integrated with many leading EMR Platforms (EPIC, Cerner, QS1)
- Two states (OH, MA) are providing "one-click access" for prescribers and pharmacists in their state.

NAB

Next goal – More "One Click Access" to PMP Data for Healthcare Providers

- No registration
- No extra usernames/passwords
- No data entry
- Better security
- No delay



State PMP Challenges

- · Getting the messages out
 - -PMPs are effective studies now show
 - PMPs are already working well in 49 states
 - States are able to experiment with innovations
 - Patient identity is best handled in smaller databases – local "investigation" can clarify.

Potential Initiatives To Be Considered

- Require practitioners and pharmacists to access the PMP data PRIOR to prescribing or dispensing a controlled substance.
- Encourage patients to get smaller quantities of controlled substances for acute situations.
- Provide for medication therapy management by pharmacists for drug abuse treatment.





Improving opioid safety: Insights from naloxone

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Harm Reduction Coalition

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Undermanagement of overdose risk in chronic opioid treatment?

Original Research Article

Opioid Overdose History, Risk Behaviors, and Knowledge in Patients Taking Prescribed Opioids for Chronic Pain

Annals of Internal Medicine

ORIGINAL RESEARCH

Opioid Prescribing After Nonfatal Overdose and Association With Repeated Overdose

A Cohort Study

Marc R. Larochelle, MD, MPH; Jane M. Liebschutz, MD, MPH; Fang Zhang, PhD; Dennis Ross-Degnan, ScD; and J. Frank Wharam, MB, BCh, BAO, MPH

- Roughly 20% of chronic pain patients receiving prescription opioids report lifetime history of overdose (Dunn et al., Pain Med. 2016)
- Over 90% of patients with non-fatal opioid overdose received a new opioid prescription, and 7% had a repeated overdose (LaRochelle et al., Ann Intern Med. 2016)

AM Academy of Managed Care Pharmacy*

Naloxone as an opioid safety tool

- Significant concerns regarding safety of longterm opioid treatment for chronic pain
- Limitations of existing patient selection and risk mitigation strategies
- Challenge of balancing need for opioids with management of risks
- Role for naloxone in reversing opioid-induced respiratory depression
- Potential for naloxone to promote opioid safety discussions with prescribers & patients

FOUNDATION

Naloxone overview

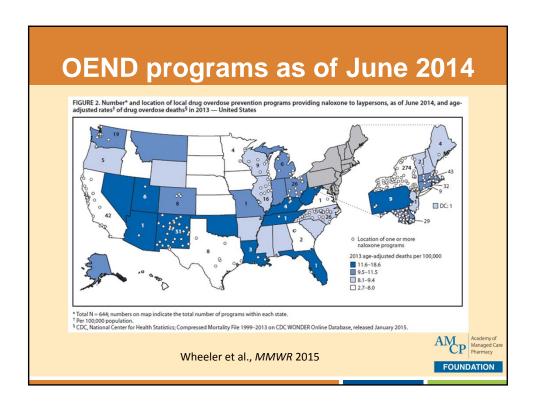
- FDA-approved opioid antagonist
- Quickly reverses opioid overdose and allows restoration of breathing
- Excellent safety profile
- Multiple formulations available (intramuscular, intranasal, autoinjector) – mix of branded & generic
- FDA labeling in newer formulations supports layperson administration





Community-based Overdose Education & Naloxone Distribution (OEND)

- Pioneered in the late '90s by harm reduction programs reaching out-of-treatment heroin users
- Diverse settings: syringe exchange, health departments, recovery organizations, parents groups, drug treatment, drug courts....
- Largest evidence base: feasibility, acceptability, impact, cost-effectiveness
- Through June 2014, OENDs provided over 150,000 naloxone kits & received reports of 26,463 overdose reversals



First responders & law enforcement

- Basic EMS (vs. Advanced) more common in rural areas (high overdose rates), but traditionally scope of practice has not allowed them to administer medications – now shifting to allow for naloxone
- Rapid uptake of naloxone by law enforcement (Department of Justice toolkit; grant support in Comprehensive Addiction & Recovery Act)

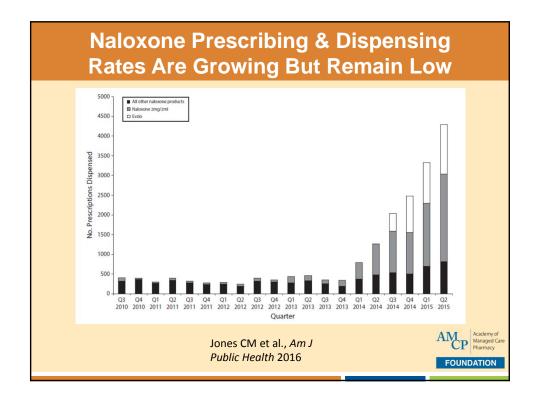


Naloxone Prescribing

Influential early adopters of naloxone prescribing to at-risk patients:

- Project Lazarus in North Carolina integrated naloxone co-prescribing for patients receiving opioids into a broader overdose prevention and opioid safety initiative (Albert et al., *Pain Med. 2011*)
- The Veterans Administration Opioid Overdose Education and Naloxone Distribution programs have provided trained and naloxone to over 12,000 veterans as of December 2015 (Oliva et al., Subst Abus. 2016)





Approaches to Naloxone Prescribing

- CDC Opioid Prescribing Guidelines: "consider offering naloxone when prescribing opioids to patients at increased risk for overdose"
- Prescribe to Prevent website with resources & tools for prescribers & pharmacists: http://prescribetoprevent.org/
- Opioid safety vs. overdose San Francisco Department of Public Health naloxone coprescription academic detailing



Naloxone co-prescribing & opioid safety, San Francisco

Selected San Francisco Health Network clinics began co-prescribing naloxone to patients on opioids in 2013.

"I had never really thought about [overdose] before...it was more so an eye opener for me to just look at my medications and actually start reading [about] the side effects, you know, and how long should I take them...I looked at different options, especially at my age."

—San Francisco patient¹⁷

Offering a naloxone prescription can increase communication, trust and openness between patients and providers.

"By being able to offer something concrete to protect patients from the danger of overdose, I am given an opening to discuss the potential harms of opioids in a non-judgmental way."

—San Francisco primary care provider

Source: SFDPH naloxone detailing provider's guide



Naloxone co-prescribing & health outcomes (Coffin et al., Ann Intern Med. 2016)

- Naloxone prescribed to 38.2% of 1985 patients on long-term opioid treatment in SF public primary care clinics
- 47% fewer emergency department visits among patients receiving naloxone after 6 months
- 63% fewer emergency department visits among patients receiving naloxone after 6 months
- Patients on higher opioid doses & those with prior overdose more likely to receive naloxone



Pharmacy access to naloxone

- Naloxone remains a prescription drug, but can be dispensed by pharmacists under some circumstances
- Pharmacy access to naloxone possible in many states under standing orders or collaborative practice agreements
- Large chains & independent pharmacies moving quickly in many states
- On-going dialogue about whether naloxone could/should be over-the-counter



Conclusions & Implications

- Naloxone prescribing can improve opioid safety
- Unresolved questions over patient selection:
 - higher opioid doses?
 - concomitant benzodiazepines?
 - mental health and/or substance use disorder diagnosis?)
- Clarity around coverage & formulary placement
- Reimbursement for third-party administration
- · Considerations on dose and formulation



Questions AMP Academy of Managed Care Pharmscy. FOUNDATION



Pharma, Payers and Physicians: Partnering to Advance Pain Treatment and Address Opioid Abuse

Tracy J. Mayne, PhD. Head of Medical Affairs Strategic Research Purdue Pharma L.P.

Three Projects

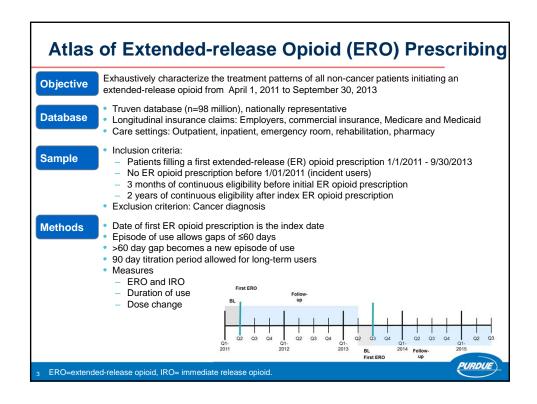
Pharma, Payers and providers have common goals:

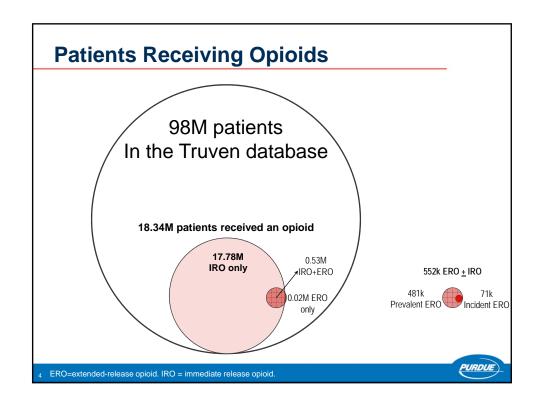
- Prevent opioid abuse and over use
- Adequately treat chronic pain and improve patients' lives

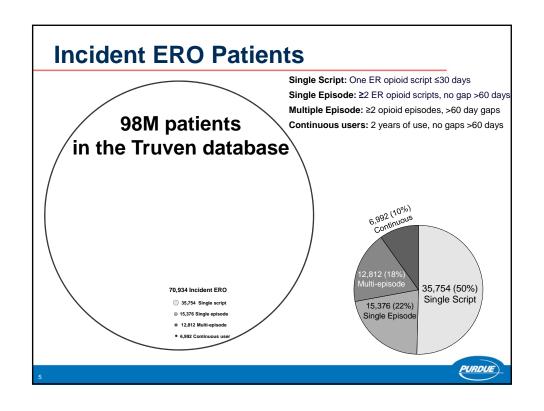
Three projects with 2 goals

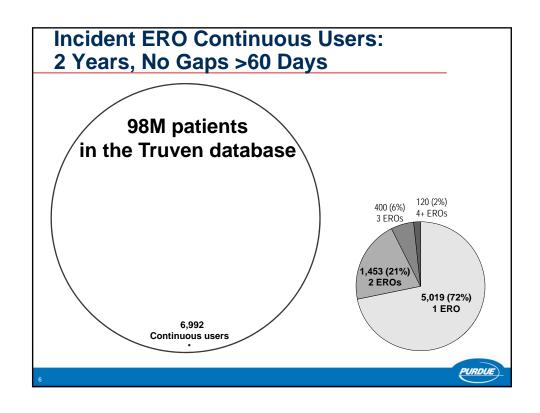
- Goal 1: Predictive algorithm
 - -An atlas of extended-release opioid (ERO) prescribing
 - -Define how cost unfold around first episode of opioid abuse
- Goal 2: Wearable Health Technology
 - -AppleWatch and pain app for the treatment of chronic pain

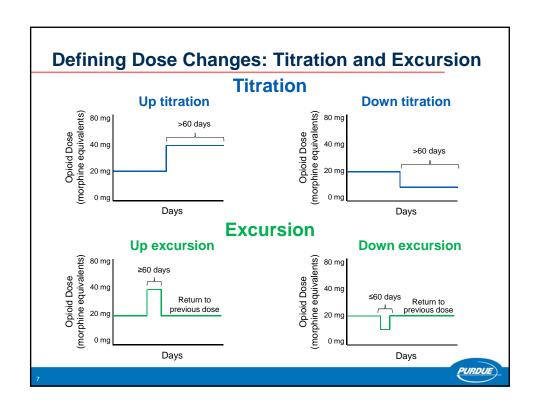


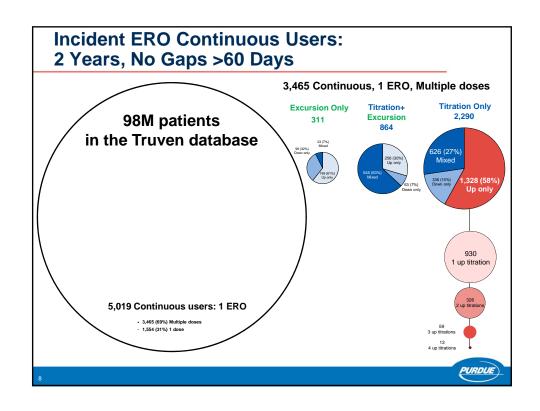


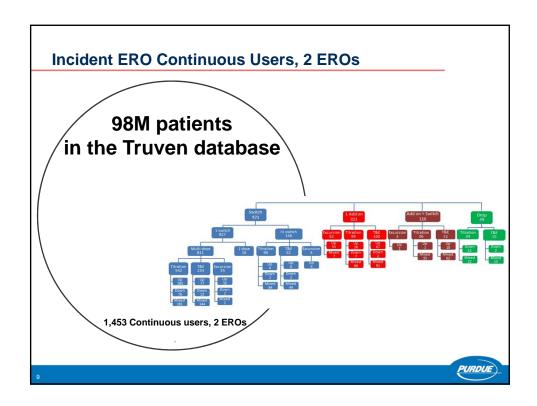










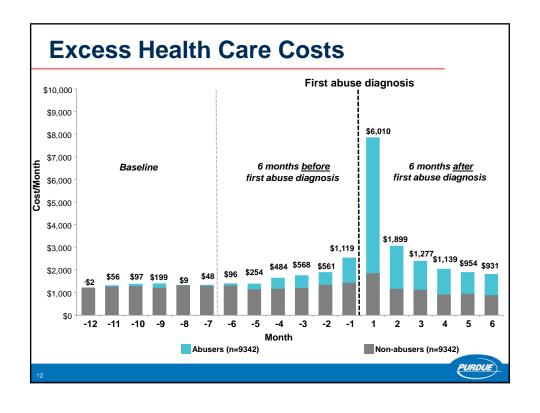


Potential Payer Use

- What does "usual prescribing" look like?
- What do outlier patients look like?
- What do outlier prescribers look like?
- Could we use these data to identify potential misuse/abuse
 - Escalation patterns
 - Futility analysis
 - Pill collecting

PURDUE

Costs of Abuse Quantify and characterize the incremental costs of opioid Objective abuse/dependence/overdose/poisoning from January 1, 2012 to March 31, 2015 Optum database (n=6.6 million) **Database** Longitudinal insurance claims: Employers, commercial insurance, Medicare supplemental Care settings: Outpatient, inpatient, emergency room, rehabilitation, pharmacy Sample Inclusion criteria: Ages 18-64 Continuous non-HMO eligibility Exclusion criterion Methadone or buprenorphine (other than transdermal) use during baseline ICD-9 code indicating remission (abuser cohort) Patients with a single outpatient diagnosis claim of substance dependence, who had received a prescription opioid from a provider in the previous 6 months Two cohorts identified for propensity score matching Methods Abusers ICD-9-CM codes for opioid abuse, dependence, or overdose/poisoning Index date: date of first abuse diagnosis Non-Abusers No diagnosis for opioid abuse/dependence/poisoning/overdose Index date: date of a randomly selected medical claim Measures Health care cost by place of service (ie inpatient, outpatient/other, emergency) Top diagnoses contributing to the excess medical costs among abusers PURDUE



otal health care costs \$3,084 Inpatient costs (total)	\$729	• \$3,084 in the 6 months
Alcohol dependence syndrome	\$89	before 1st diagnosis
Other diseases of lung	\$82	1
Drug dependence (excluding opioids)	\$67	1
Vascular insufficiency of intestine \$26 Curvature of spine \$25 Other cellulities and abscess \$24		 Drivers of excess cost
Emergency department costs (total)	\$1,431	 Non-opioid drug abuse & dependence
Other symptoms involving abdomen and pelvis	\$69	- Alcohol abuse & dependence
General symptoms	\$52	1
Diseases of pancreas	\$46	1
Septicermia \$3.3 Other cellulitis and abscess \$32 Symptoms involving respiratory system and other chest symptoms \$31		_
Rehabilitation facility costs (total)	\$274	7
Drug dependence (excluding opioids)	\$152	1
Alcohol dependence syndrome	\$102	1
Episodic mood disorders	\$11	1
Certain adverse effects not elsewhere classified \$3 Adjustment reaction \$2 Nonspecific findings on examination of blood \$2	•	_
Outpatient/other costs (total)	\$584	1
Drug dependence (excluding opioids)	\$183	1
Alcohol dependence syndrome	\$123	1
Other and unspecified disorders of back	\$75]
Other symptoms involving abdomen and pelvis \$37 Multiple myeloma and immunoproliferative neoplasms \$28		7
Prescription drug costs	\$66	

\$2,880 \$700 \$242 \$173 \$2,306 \$189 \$135 \$125	\$11,726 in the 6 months after 1st diagnosis Drivers of excess cost Opioid dependence & poisoning Non-opioid drug abuse & dependence Alcohol abuse & dependence
\$242 \$173 \$2,306 \$189 \$135	Drivers of excess cost Opioid dependence & poisoning Non-opioid drug abuse & dependence
\$173 \$2,306 \$189 \$135	Drivers of excess cost Opioid dependence & poisoning Non-opioid drug abuse & dependence
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	Opioid abuse/dependence costs
\$2,324	Non-opioid + alcohol abuse/
\$1,077	dependence costs
\$607	
\$339	Overall cost drivers:
	-34% Opioid abuse/dependence/overdo
\$3,906	-27% Non-opioid drug and alcohol abuse
\$1,487	dependence/overdose
\$1,026	-39% Without a specific abuse/
\$398	dependence/overdose ICD-9 code
*	_
	\$1,077 \$607 \$339 \$3,906 \$1,487 \$1,026

Potential Payer Use

Could economic and diagnosis criteria be used to identify abuse before it happens (predictive algorithm)?

- Increase in healthcare resource use
- Diagnosis of other substance abuse/dependence/overdose
- Non-specific ER symptoms (Drug seeking? Constipation?)

PURDUE

Limitations of claims data analyses

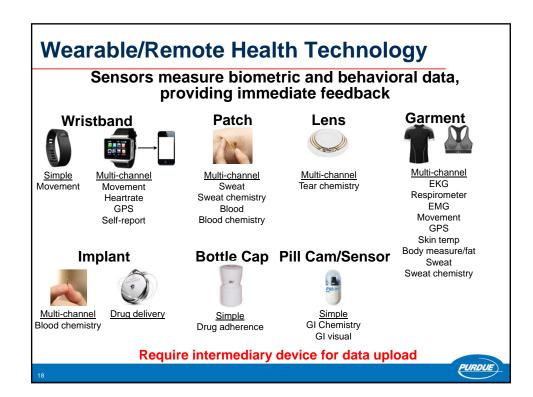
- Analysis relies on the accuracy of claims data; miscoding in the underlying data could affect results
- Undiagnosed opioid abusers may be included in the "non-abuser" cohort, which may understate the actual excess cost differential between abusers and controls without diagnosed opioid abuse
- The study focuses on the commercially insured population, thus the results may not generalize to other populations

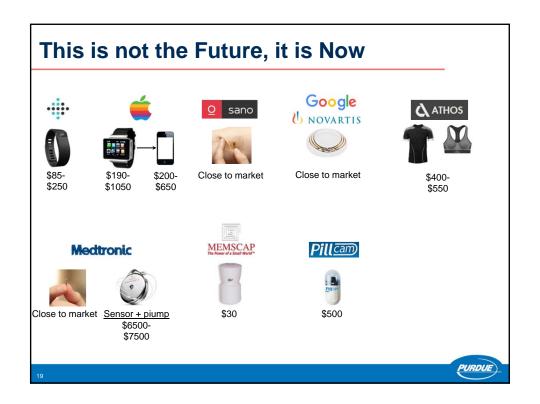
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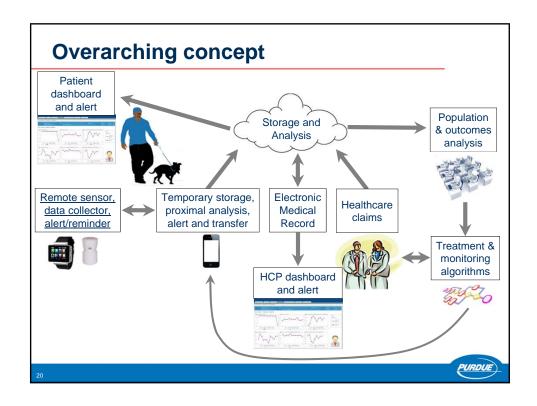
Wearable health technology to treat chronic pain

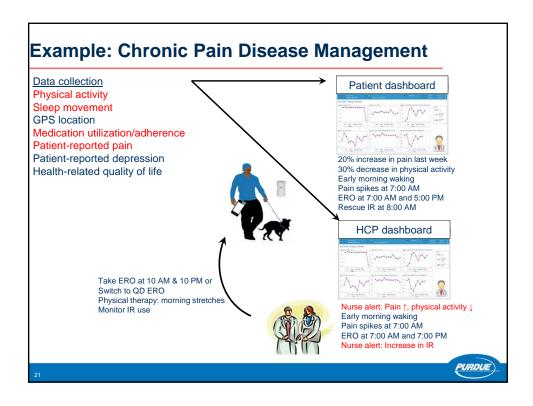
Can wearable health technology improve care AND decrease cost?

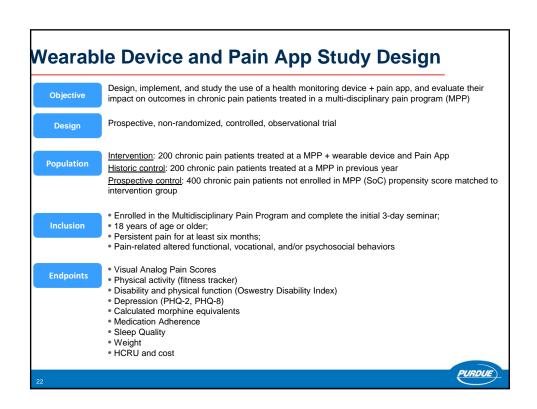












Overall Summary

- Partnering with payers and providers, use these findings to develop a predictive algorithm that identifies patients with abuse potential and/or in the early stages of abuse
- Partnering with integrated disease network to develop wearable health technologies to improve care (including lower opioid use) and decrease cost

PURDUE

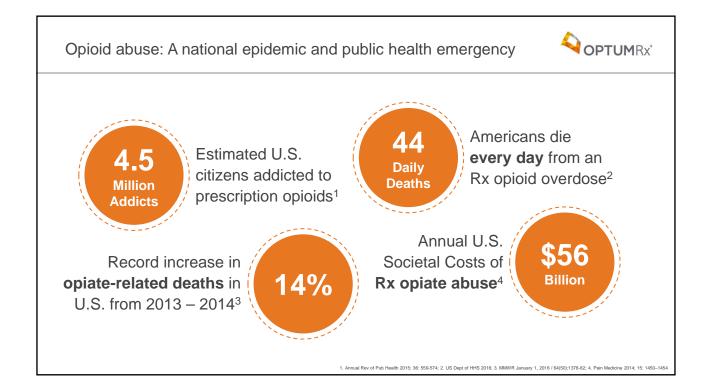


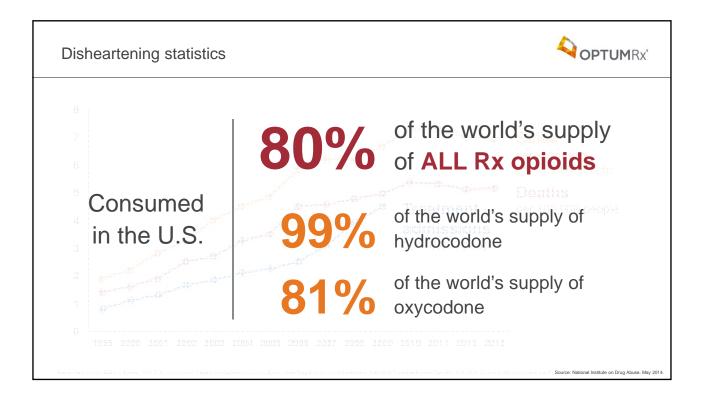
Total Opioid Management

David Calabrese, R.Ph., MHPChief Pharmacy Officer



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What systematic reviews of the cumulative opioid evidence suggests



- Effectiveness is limited
- » Significant side effects
- » Risks are substantial
- Effects on human function are very small



CMAJ. 2006; 174
 Clin J Pain. 2008; 24
 Cochrane Database Syst Rev. 2010; 372



















People

Technology

Data

Action

Total Opioid Management: Where We Are Headed "Five for Life"











Prevention & Education

Minimizing
Early Exposure

Provider Surveillance

ID & Support At-Risk Populations Manage Afflicted Population



Prevention & Education

Patient

- National & local public awareness campaigns
- 1st-fill patient education
- "Take-Back" programs

Provider

- Targeted provider education (e.g., SCOPE)
- Ac tively promoting routine Prescription Drug Monitoring Program adoption/use

Organizational

 Revisiting key internal operational functions (e.g., opiate dispensing via mail)





Minimizing Early Exposure

Concurrent DUR Edits

- Concomitant therapy (e.g., opiate + benzodiazepine)
- Tighter refill window limits (90-95%)
- Pregnancy screening

Expanded UM Edits

- Much tighter 1st-fill QLs on all opioids: brand & generic; short- and long-acting
- Limited subsequent fills and quantities w/o PA
- Age edits (children and elderly)
- Morphine-milligram equivalent dosing edits
- More aggressive and expanded PA limits, particularly in opioid naïve patients
- Specialist prescribing limits (e.g., dentist)
- Urine testing reqs w/ chronic usage





Provider Surveillance

Prescriber

- Enhanced monitoring and restrictions on providers with state-level prescribing sanctions
- · Opiate prescriber 'scoring' system
- Specialty-level provider profiling
- More proactive collaboration and data sharing with state & federal regulatory & licensing bodies

Pharmacy

- Advanced analytics to identify disproportionate opiate dispensing patterns at pharmacy level
- Enhanced auditing





ID & Support At-Risk Populations

- Sophisticated patient-level analytic assessment; risk stratification & scoring
- Multidimensional R-DUR monitoring & intervention
- Substance abuse support 'hot-line'
- Behavioral Health risk assessment
- Medication Assistance Treatment (MAT) education and referral
- Pain Management referral and CM support

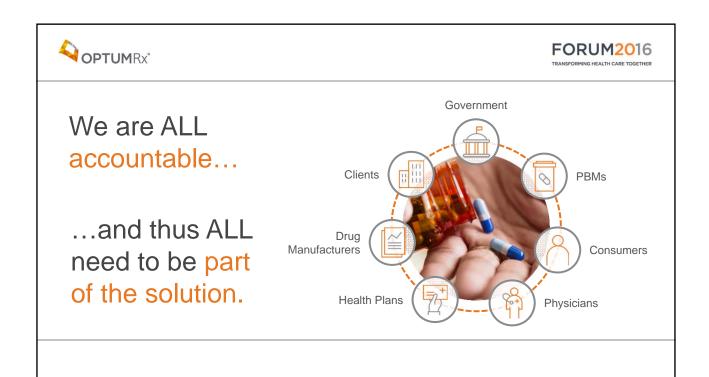




Manage Afflicted Population

- Utilizing historic medical/pharmacy claims and EMR data to flag pts in our claims system with recent or past history of OD or SUD treatment
- Pharmacy and/or prescriber 'lock-in' programming
- Post-discharge relapse prevention support
- Medication Assistance Treatment
- Restricted access (via PA) to opiates in those actively undergoing opiate abuse treatment
- Physician guidance on proper naloxone prescribing





Balancing Access and Harms in Opioid Use for Managing Acute and Chronic Pain

PCORI's Commitment to Improving the Evidence Base

Penny Mohr, MA, Senior Program Officer, Improving Healthcare Systems, PCORI

October 3, 2016



PATIENT-CENTERED OUTCOMES RESEARCH INSTITUTE

About Us

- An independent research institute authorized by Congress in 2010 and governed by a 21-member Board of Governors representing the entire healthcare community
- Funds comparative clinical effectiveness research (CER) that engages patients and other stakeholders throughout the research process
- Seeks answers to real-world questions about what works best for patients based on their circumstances and concerns



pcori".

Our Mission and Strategic Goals

PCORI helps people make informed healthcare decisions, and improves healthcare delivery and outcomes, by producing and promoting high-integrity, evidence-based information that comes from research guided by patients, caregivers, and the broader healthcare community.

Our Strategic Goals:



Increase quantity, quality, and timeliness of useful, trustworthy research information available to support health decisions



Speed the implementation and use of patient-centered outcomes research evidence



Influence research funded by others to be more patient-centered



PATIENT-CENTERED OUTCOMES RESEARCH INSTITUTE

Why is this topic important to patients and other key stakeholders?

- Opioid abuse resulted in more than 18,000 deaths from prescription opioids in 2014 (NIH, 2015)
- Pain advocacy community has expressed concerns about the unintended harms to pain sufferers that may occur by restricting access to opioids

Any policies in this area must strike a balance between our desire to minimize abuse of prescription drugs and the need to ensure access for their legitimate use.

- What stakeholder groups have identified this as an important question?
 - Payers; specifically, National Association of State Medicaid Directors
 - Friends and family members who lost someone to prescription opioid abuse; patients with chronic pain; worker's compensation organizations; state and federal policymakers



Abundance of Evidence Gaps

- Wide variation among states in opioid prescribing rates; indicating a lack of consensus about when to prescribe opioids (CDC, 2016).
- Little evidence exists on how to improve safe prescribing of opioids (Dy et al, 2016)
- No studies examined the comparative effectiveness of opioids vs. non-opioid therapies (pharmacological or non-pharmacological) for outcomes >1 year
- Little available evidence on the effectiveness of dose escalation, withdrawal/tapering strategies, short/long acting opioids
- A number of strategies targeted to providers and/or patients to promote safe opioid prescribing have been developed but not rigorously evaluated (HHS, 2014).
- Guidelines recommend use only when alternatives are ineffective (CDC, 2016; Dy et al., 2016).



PATIENT-CENTERED OUTCOMES RESEARCH INSTITUTE

PCORI Can Add to the Funding and Policy Landscape

- Broad set of initiatives across a number of agencies
 - The President's Budget
 - DHHS Secretary's Initiative
 - Trans-Agency Initiative, IOM National Pain Strategy
 - CDC Guideline for Prescribing Opioids for Chronic Pain
 - FDA Action Plan

These initiatives are being rolled out rapidly without strong evidence.

- Research agenda just being developed
 - Federal Pain Research Strategy Committee
 - NIH Pathways to Prevention



Evaluation of a Health-Plan Initiative to Mitigate Chronic Opioid Therapy Risks

Potential Impact

 Could determine best practices to stem the epidemic of opioid addiction and overdose that results from long-term use in treating chronic pain

Engagement

 Patients and advocates make up a patient advisory panel that will guide the investigators

Methods

 Large patient survey and evaluation of health outcome data



PATIENT-CENTERED OUTCOMES RESEARCH INSTITUTE

Evaluates a health-plan initiative to reduce risks of long-term opioid use for chronic pain. The initiative includes reduced prescribing of high opioid doses and increased care planning and monitoring of chronic opioid therapy patients. The study will determine if the initiative influenced pain outcomes, patient-reported opioid benefits and problems, and opioid-related adverse

Michael Von Korff, ScD, Group Health Cooperative Seattle, WA

Improving Healthcare Systems, awarded December 2013

PCORI Targeted Opioid Initiatives

Title	Actual or Expected Award Date	# of Projects	Budget	
Treatment Strategies for Managing and Reducing Long-Term Opioid Treatment for Chronic Pain (awarded)	July 2016	2	\$21M	
Strategies to Prevent Unsafe Opioid Prescribing in Primary Care among Patients with Acute or Chronic Non-cancer Pain	May 2017	Up to 8	Up to \$30M	
Treatment Strategies for Managing and Reducing Long-Term Opioid Treatment for Chronic Pain (Re-release)	August 2017	TBD	Up to \$19M	



Clinical Strategies for Managing and Reducing Long-term Opioid Use for Chronic Pain

Research Questions

- » Among patients with chronic noncancer pain on moderate/highdose long-term opioid therapy, what is the comparative effectiveness of strategies for reducing/eliminating opioid use while managing pain?
- » Among patients with chronic noncancer pain on moderate/low-dose long-term opioid therapy, what is comparative effectiveness and harms of strategies used to limit dose escalation?
- Goal: manage patient pain first while also reducing risks and harms of long-term opioid use



PATIENT-CENTERED OUTCOMES RESEARCH INSTITUTE

Comparative effectiveness of patient-centered strategies to improve pain management and opioid safety for Veterans

Potential Impact

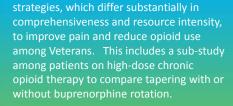
 Could provide evidence to support the use of replicable strategy to improve pain and reduce opioid use

Comparators

 telecare collaborative medication management led by clinical pharmacist versus interdisciplinary pain management team emphasizing non-pharmacological alternatives

Design

 RCT of 1400 primary care patients at 9 VA sites receiving moderate to highdose opioids.



Compares two systems of care

Erin Krebs, MD, MPH, University of Minnesota Minneapolis/St. Paul, MN

Awarded 2016



Strategies to improve safe opioid prescribing in primary care among patients with acute or chronic non-cancer pain

Research Questions

- » What is the comparative effectiveness of different payer or health system strategies that aim to prevent unsafe opioid prescribing while ensuring access to non-opioid methods for pain management with the goal of reducing pain and improving patient function and quality of life outcomes, while reducing patient harm?
- » What is the comparative effectiveness of different patient and provider facing interventions that facilitate improved knowledge, communication and/or shared decision making about the harms and benefits of opioids and alternative treatments on prevention of unsafe prescribing and improved patient outcomes?



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Anticipated Challenges In Sustainability and Adoption

- How do we adapt models that have proven to be successful in highly-integrated systems into more fragmented care delivery?
- Among these complex, multi-component systems
 approaches, what is the most efficient way to meet the dual
 goals of improving pain management and reducing unsafe
 opioid use?
 - Which aspects of these strategies are the most important?



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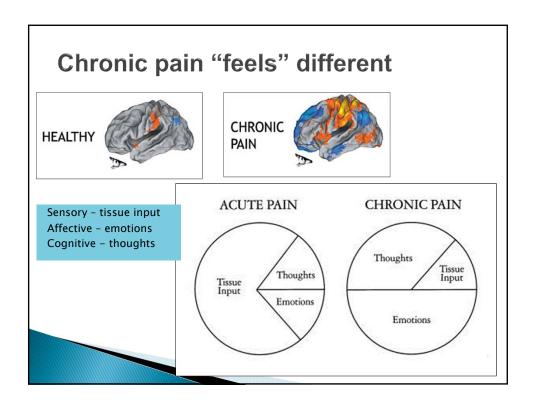
Treating Chronic Pain with Opioids: Where are we?

2016 AMCP Foundation 6th Annual Research Symposium October 3, 2016

Peggy Compton, RN, PhD, FAAN Georgetown University School of Nursing & Health Studies

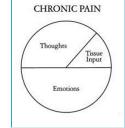
Chronic Pain: a prevalent chronic disease

- Chronic pain impacts the daily lives of fully onethird of Americans over the age of 45
- Based on data from the 2012 National Health Interview Survey (NHIS), 25 million U.S. adults had daily chronic pain, and 23 million more reported severe pain.
- Prevalence will increase as population ages
- Estimated that between 5 and 8 million Americans use opioids on a daily basis from chronic pain management



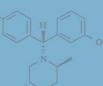
Chronic Pain Management

- Analgesic medication is less important
- For tissue, focus on physical restoration
 - Exercise, physical therapy, stretching, yoga
 - Weight loss



- Manage affective and cognitive components of pain
 - cognitive-behavioral therapy
 - mindfulness-based therapy
 - acceptance and commitment therapy
- Functional outcomes are key
 - Quality of life the ability to do what is important to the pt

GUIDELINE FOR PRESCRIBING OPIOIDS FOR CHRONIC PAIN



Provides recommendations on:

- when to initiate or continue opioids for chronic pain
- opioid selection, dosage, duration, follow-up and discontinuation
- assessing risk and addressing harms of opioid use



Consensus across guidelines

- Assessment
 - pain
 - Indication for opioid therapy
- Risk Stratification
 - approaches for selecting patients for opioid therapy
 - identify patients who are likely to have difficulty adhering to opioid therapy
 - those with a history of substance use disorder are at high risk for poor treatment response

Risk Assessment Tools

- SOAPP-R® (Screener and Opioid Assessment for Patients with Pain)
 - (Butler et al., 2008)
 - 24 items, self-report
- ▶ ORT (Opioid Risk Tool) (Webster, 2005)
 - 5 items, self-Report
- ▶ BRI (Brief Risk Interview) (Jones et al., 2013)
 - 12 items, clinician administered



Consensus across guidelines

- Informed consent and mutually agreed upon treatment plan
 - Understand risks associated with opioid use
 - "trial" of opioid therapy
 - Include family
- Treatment agreement
 - Single primary provider
 - Refill policy
- Ongoing assessment
 - Pain and function
 - Adherence monitoring



Adherence monitoring Risk for abuse, addiction, diversion

Low Risk

- Random pill counts
- Random urine toxicology
- Prescription monitoring programs (PMPs)
- Use of monitoring tools

High risk

- Increase visit frequency
- Shorter/smaller prescriptions
- Bring in addiction expertise

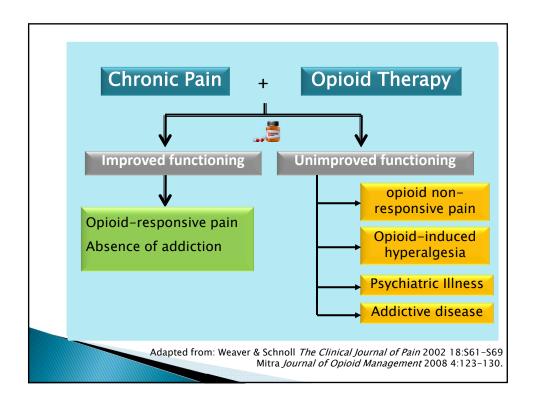
Monitoring Tools

- ► COMMTM (Current Opioid Misuse Measure)
 (Butler et al, 2007)
- PDUQ (Prescription Drug Use Questionnaire) and self-report version PDUQ-p (Compton, et al., 1998; 2008)
- ▶ ABC (Addiction Behaviors Checklist) (Wu et al., 2006)
- ▶ PMQ (Pain Medicine Questionnaire)
 (Adams et al., 2004)
- ▶ POAC (Prescription Opioid Abuse Checklist) (Chabal et al., 1997)

Monitoring Tools

Composite Tools

- ABDI (Aberrant Drug Behavior Index)
 (Wasan et al, 2009)
 - high PDUQ score + positive UDT
- DMI (Drug Misuse Index)
 - High SOAPP score + High COMM score
 - High POTQ score + positive UDT (Wasan et al., 2007)
 - High PDUQ or High ABC score + positive UDT (Jamison et al., 2010)
- * measure aberrant behaviors & behaviors in violation of treatment agreement, not substance use disorder





GUIDELINE FOR PRESCRIBING OPIOIDS FOR CHRONIC PAIN

Recommendations: Assessing Risk and Addressing Harms of Opioid use

- ▶ Utilization of PMP q 1-3mo
- Urine drug testing at initiation of opioid therapy and at least annually
- Avoid prescribing opioid analgesics to those on benzodiazepines
- If opioid use disorder is present, refer to or arrange evidence-based treatment, perhaps including MAT



harms

GUIDELINE FOR PRESCRIBING OPIOIDS FOR CHRONIC PAIN

Recommendations: Evaluate Risk factors for opioid-related

- Sleep discorded breathing, sleep apnea
- Pregnant women
- Renal or hepatic insufficiency
- Over 65 years of age
- Mental health conditions
- Substance use disorders
- Previous opioid overdose

Offer naloxone when present.

GUIDELINE FOR PRESCRIBING OPIOIDS FOR CHRONIC PAIN



Key Question 4 What is:

- "the accuracy of instruments for predicting risk for opioid overdose, addiction, abuse or misuse;
- the effectiveness of risk mitigation strategies;
- the effectiveness of risk management strategies;
- and comparative effectiveness of treatment strategies for managing patients with addiction"



Risk Mitigation Strategies

- Use of risk prediction instruments
- Use of opioid management/treatment agreement
- Patient education
- Urine toxicology
- Prescription Drug Monitoring Programs (PDMP)
- Monitoring tools or instruments
- Pill counts
- Use of abuse-deterrent formulations

REVIEW

Annals of Internal Medicine

The Effectiveness and Risks of Long-Term Opioid Therapy for Chronic Pain: A Systematic Review for a National Institutes of Health Pathways to Prevention Workshop

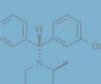
Roger Chou, MD; Judith A. Turner, PhD; Emily B. Devine, PharmD, PhD, MBA: Ryan N. Hansen, PharmD, PhD;

Outcome	Studies	Limitations	Consistency	Directness	Precision	Reporting Bias	Strength of Evidence
Risk assessment and risk mitigation	on strategies						
Diagnostic accuracy of instrument considered for long-term opi		overdose, addicti	on, abuse, or mis	suse in patien	ts with chronic	pain being	
Opioid Risk Tool	3 studies of diagnostic accuracy (n = 496)	Moderate	Inconsistent	Direct	Imprecise	Undetected	Insufficient
SOAPP, version 1	2 studies of diagnostic accuracy (n = 203)	High	Consistent	Direct	Imprecise	Undetected	Low
Effectiveness of risk prediction ins	struments on outcomes related	to overdose, add	ction, abuse, or	misuse in pat	ients with chron	nic pain	
Outcomes related to abuse	None	-	-		-	-	Insufficien
	ategies, including opioid mana ta, use of monitoring instrumer s, on outcomes related to overd	its, more frequent	monitoring inter			prescription	
Outcomes related to abuse	None	-	-	-	-	-	Insufficient
Comparative effectiveness of trea	trnent strategies for managing	patients with addi	ction to prescrip	tion opioids			
Outcomes related to abuse	None			-		-	Insufficien

Poor validity of Risk Assessment Tools:

- GRADE 3 (observational studies)
- Sensitivity and specificity vary widely:
 - ORT sens 0.58, 0.75; spec 0.54, 0.86
 - SOAPP-R sens 0.53, 0.25; spec 0.62, 0.73
 - BRI sens 0.73, 0.83; spec 0.43, 0.88
- Likelihood ratios essentially noninformative

GUIDELINE FOR PRESCRIBING OPIOIDS FOR CHRONIC PAIN



- > Emphasis on Responsible Prescribing
- Strong Recommendation for Opioid-sparing
- Community concern that will have a general chilling effect on opioid prescribing for chronic pain patients



Responsible opioid prescribing:

- Minimize opioids in community
- Minimize diversion
- Detect and address misuse and abuse
- Refer those with an opioid use disorder to treatment
- Increase focus on non-medication interventions
- **SAVE LIVES**

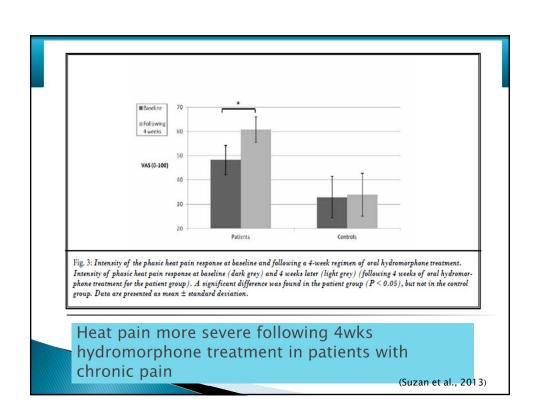


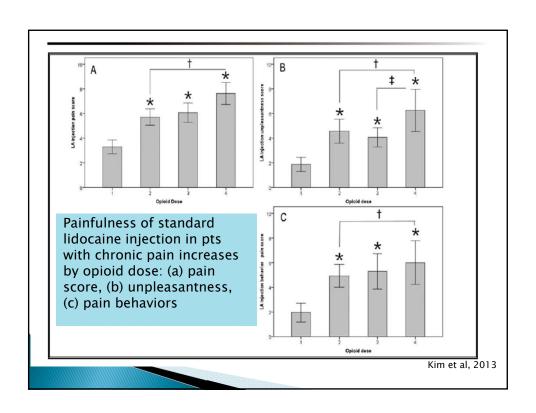
Opioid-sparing Strategies:

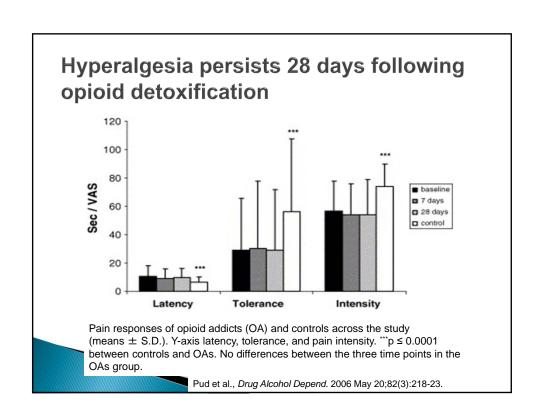
- ▶ Taper to lowest dose tolerable
- Increase vigilance ≥50 morphine milligram equivalents (MME)/day



- Avoid increasing dosage to ≥90 MME/day Limit length of prescription following acute pain
- Utilize non-opioid analgesics
 - NMDA antagonists
 - GABA agonists
 - Anti-inflammatory analgesics
 - Low dose opioid antagonists

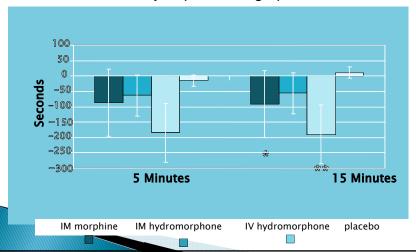






Opioid taper

- "withdrawal hyperalgesia"
 - o increased sensitivity to pain during opioid withdrawal



Treat Psychiatric Symptoms

- Rates of depression and anxiety disorders are high in chronic pain patients
- Chronic pain can worsen depression symptoms and is a risk factor for suicide in people who are depressed.
- Hypothesized association between chronic pain, central pain amplification, and psychological distress.



http://www.nimh.nih.gov/health/publications/depression-and-chronic-pain/index.shtml

Interventions for Chronic disease management

- Motivational interviewing
- Cognitive behavior therapy
- Psychiatric assessment
- Stress management
- Functional Assessment



Thank you!

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