Conflict of Interest Statement

- Most manufacturers of prescription opioids or stimulants subscribe to RADARS System.
- RADARS System is the property of Denver Health and Hospital Authority, a political subdivision of the State of Colorado.
- Subscribers receive information, but do not participate in developing the System, data collection, or analysis. They do not have access to the raw data.
- Employees are prohibited from personal financial relationships with any company.
Mosaic Surveillance of Prescription Drug Abuse

- Acute Health Events
- Poison Center Program
- Entering Treatment
- Opioid Treatment Program
- Survey of Key Informants’ Patients (SKIP)
- Entering Treatment
- Survey of Non-Medical Use of Prescription Drugs (NMURx)
- Drug Diversion Program
- StreetRx.com
- Drug Culture
- Web Monitoring Program
- Advanced Users/Targeted Studies
- Researcher & Patients Interacting Directly (RAPID)

Non-Medical Use
Drug Transactions
Illicit Market Price
Data Needs

Substance Abuse
• Timely
• Geographic specificity
• Accuracy
• Trending

Regulatory
• Substance Abuse, plus
  o Product specificity
  o Faster
  o Subpopulations
Data Available

Single Perspective

- Federal
  - Drug Abuse Warning Network (DAWN)
  - National Survey of Drug Use and Health (NSDUH)
  - Treatment Episode Dataset (TEDS)
  - National Vital Statistic System (NVSS)
  - National Forensic Laboratory System (NFLIS)
- National Poison Data System (NPDS)
- IQVIA
- Symphony Health

Multiple perspective

- RADARS System
  - IQVIA
  - Poison Centers
  - Substance abuse treatment centers
  - Drug diversion investigators
  - Nationally representative survey
  - StreetRx
  - Researchers and Patients Interacting Directly (RAPID)
  - Web monitoring
  - Coroner/NDI/DIM
- Inflexxion Navippro
  - Treatment Centers
If you can’t be with the one you love, love the one you’re with.

Billy Preston
How do we put this information together?
Is Rx Drug Abuse Decreasing?

IQVIA Transactional Data Warehouse
Unanticipated Consequences

The NEW ENGLAND JOURNAL of MEDICINE

Perspective
No Shortcuts to Safer Opioid Prescribing

Deborah Dowell, M.D., M.P.H., Tamara Haegerich, Ph.D., and Roger Chou, M.D.

https://healthprofessionalsforpatientsinpain.org/
Is Rx Drug Abuse Decreasing?

Poison Center Program

Drug Diversion Program

Opioid Treatment Program

Survey of Key Informant Patients

Analgesics: oxycodone, hydrocodone, hydromorphone, fentanyl, morphine, and tramadol
Medical Examiner Data
National Vital Statistics System, CDC
Deaths from Prescription Opioids are Decreasing Substantially
Data from multiple systems indicate that Rx abuse and mortality are decreasing
Do abuse deterrent opioid formulations work?

Richard C. Dart, MD, PhD; Janetta L. Iwanicki, MD; Nabarun Dasgupta, PhD; Theodore J. Cicero, PhD; Sidney H. Schnoll, MD, PhD
Opioid Rx Dispensed in US, 2009 - 2015

OxyContin v. Comparators in 4 Programs
Drug Diversion, Drugs Involved 2009 - 2015

• 250 law enforcement investigators in 49 states

Reformulation
Separation occurs in first 18 months
OxyContin v. Comparators in 4 Programs
Past Year Nonmedical Use of OxyContin®
NSDUH, 2006 – 2014
The ADF version of OxyContin has decreased abuse, non-oral abuse in multiple systems in 3 different countries.
Understanding the Opioid Epidemic

National Vital Statistics System, Centers for Disease Control, 2017
Is Total Substance Abuse Increasing?

National Survey of Drug Use and Health. US Centers for Disease Control, 2017
Opioid Epidemic Epidemic of Opioid Deaths

National Vital Statistics System, Centers for Disease Control, 2017
Recomendations

• John Peppin
  o Required Pain/opioid Education for Medical Boards.
  o Standardized requirements for Medical Examiners for all states:
  o Updating of Death Certificates.

• John Coleman
  o HHS should adopt clinical modifications to address the ambiguities in the current ICD-10-T-codes for categorizing drug-related mortality.
  o The Public Health Service Act should be amended to require states to use CDC-supplied error-avoidance software in preparing and submitting copies of e-Vital electronic death certificates via a restricted CDC portal.

• Rick Dart
  o ADFs should be promoted and compensated by payers
  o US drug policy should focus on demand reduction like Health Communities and Project Lazarus
  o Supply reduction will be even more difficult in the age of fentanyl
Questions?

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