Risk Management Case Study: The RADARS® System

J. David Haddox, DDS, MD Vice President Risk Management & Health Policy Purdue Pharma L.P.

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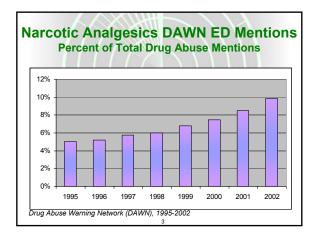
Purdue Pharma L.P. Position Risk Management Programs

Needed for all strong opioid medications Must be consistent within a given schedule under the Controlled Substances Act

Must balance the legitimate needs of patients against the abuse potential of the medicine

Must address four distinct populations:

- Patients (Goal: Facilitate Proper Use)
- Children (Goal: Avoid Pediatric Exposure)
- Abusers (Goal: Reduce Abuse)
- Criminals (Goal: Minimize Diversion)





Review of National Databases

National Survey on Drug Use and Health (formerly National Household Survey on Drug Abuse) Drug Abuse Warning Network (DAWN) Monitoring the Future Treatment Episode Data Set

> Not timely in reporting (9-12 month delay) Some questions antiquated Not reported geographically Limited data on specific branded drugs Little context to data in terms of rate

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Researched Abuse, Diversion and Addiction-Related Surveillance (RADARS®) System Goals

- Study the nature and extent of abuse of scheduled prescription opioid medications
- · Obtain data in a timely fashion
- Geospatially locate data
- Develop and suggest interventions to reduce diversion and abuse

The RADARS® System Drugs

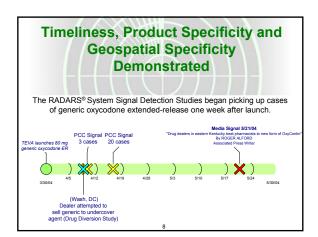
1. buprenorphine

- 2. fentanyl (e.g., Duragesic[®], Actiq[®])
- 3. hydrocodone (e.g., Vicodin[®])
- 4. hydromorphone (e.g., Dilaudid®)
- 5. methadone
- 6. morphine (e,g., MS Contin[®], MSIR[®])
- 7. oxycodone (e.g., OxyContin[®], Tylox[®])

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Signal Detection Studies

- Funded by Purdue Pharma L.P.
- Studies conducted at major research institutions under direction of Principal Investigators
- · Data independently housed at study site
- Data reports presented to the EAB and Purdue on at least a quarterly basis



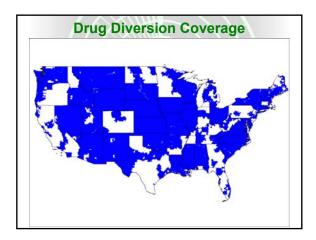
Law Enforcement Drug Diversion James Inciardi, PhD, Principal Investigator University of Delaware

Rationale

 Determine relative diversion of RADARS® System drugs compared to other drugs in a specific geographic locale

<u>Objective</u>

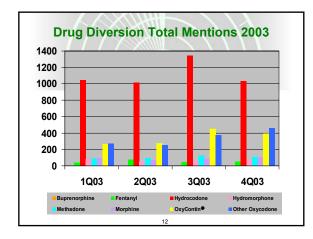
 Determine the extent of diversion from a national sample of police diversion units





	1Q03	2Q03	3Q03	4Q03
Sites Contacted	207	223	265	225
Sites Responding	147	144	167	169
Total Diversion Cases Reported	3075	2633	3278	3007



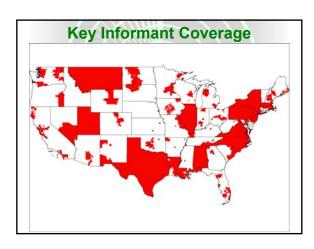




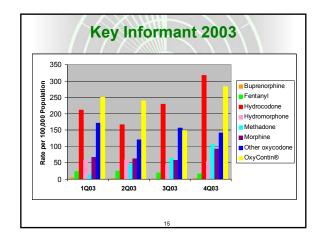


 Need to establish an extensive network of specialists to proactively seek out documented cases of abuse

- <u>Objectives</u>
 Use key informants to proactively count the cases of abuse & addiction of RADARS[®] System Drugs in specific geographic locations
- Monitor the number of cases of abuse and addiction of the RADARS[®] System Drugs over time 13











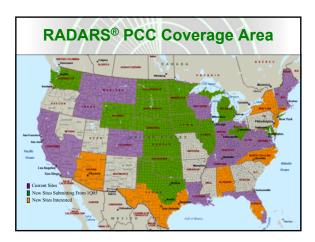
Objectives

manner

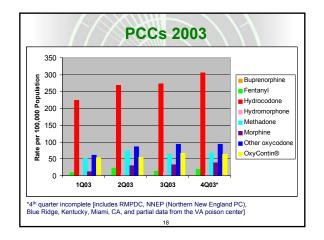
 Prospectively monitor exposure and information calls involving the RADARS[®] System Drugs reported to 17 Poison Control Centers

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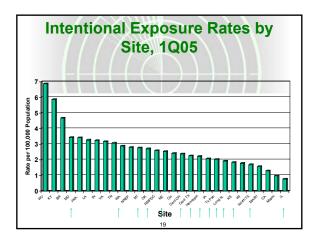
· Monitor the changes in these calls over time



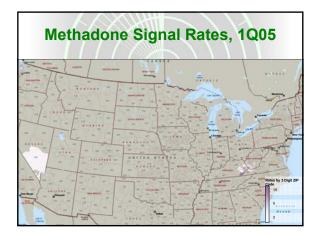






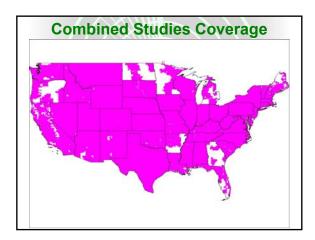














Preliminary Conclusions from Principal Investigators

- Abusers of a given opioid are similar to abusers of other prescription opioids
- Typically seen in those with a history of abuse of multiple drugs, both licit and illicit

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- · Generally not a problem of ethnic minorities
- · Endemic in some rural areas

