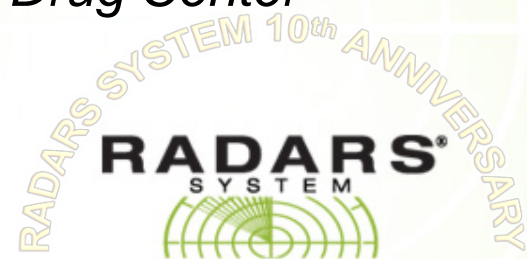


Pain Care Forum – RADARS System Update

June 14, 2012

Eric Lavonas, MD

Associate Director, Rocky Mountain Poison and Drug Center



RADARS System – 2012

**Poison
Center**

Acute Events
49 Centers
46 States

**Drug
Diversion**

Criminal Justice
280 investigator
50 states

**Opioid Tx
Program
(OTP)**

Patients in Tx
73 programs
33 states

SKIP
Survey of Key
Informant Pts

Patients in Tx
125 practices
50 states

**College
Survey**

**2000
students**
50 States

StreetRx
www.streetrx.com

**Users/Buyers
Crowdsource**
50 states



RADARS System – 2012

- **Drugs Of Interest**
 - **13 API Level Categories**

OXYCODONE

HYDROMORPHONE

MORPHINE

TRAMADOL

METHADONE

HYDROCODONE

FENTANYL

TAPENTADOL

OXYMORPHONE

AMPHETAMINES

HEROIN

BUPRENORPHINE

METHYLPHENIDATE

- **120 Individual Substances**
- **24 Specific Products**

Reformulated OxyContin: Pre and Post-Analysis



**OxyContin
OC**

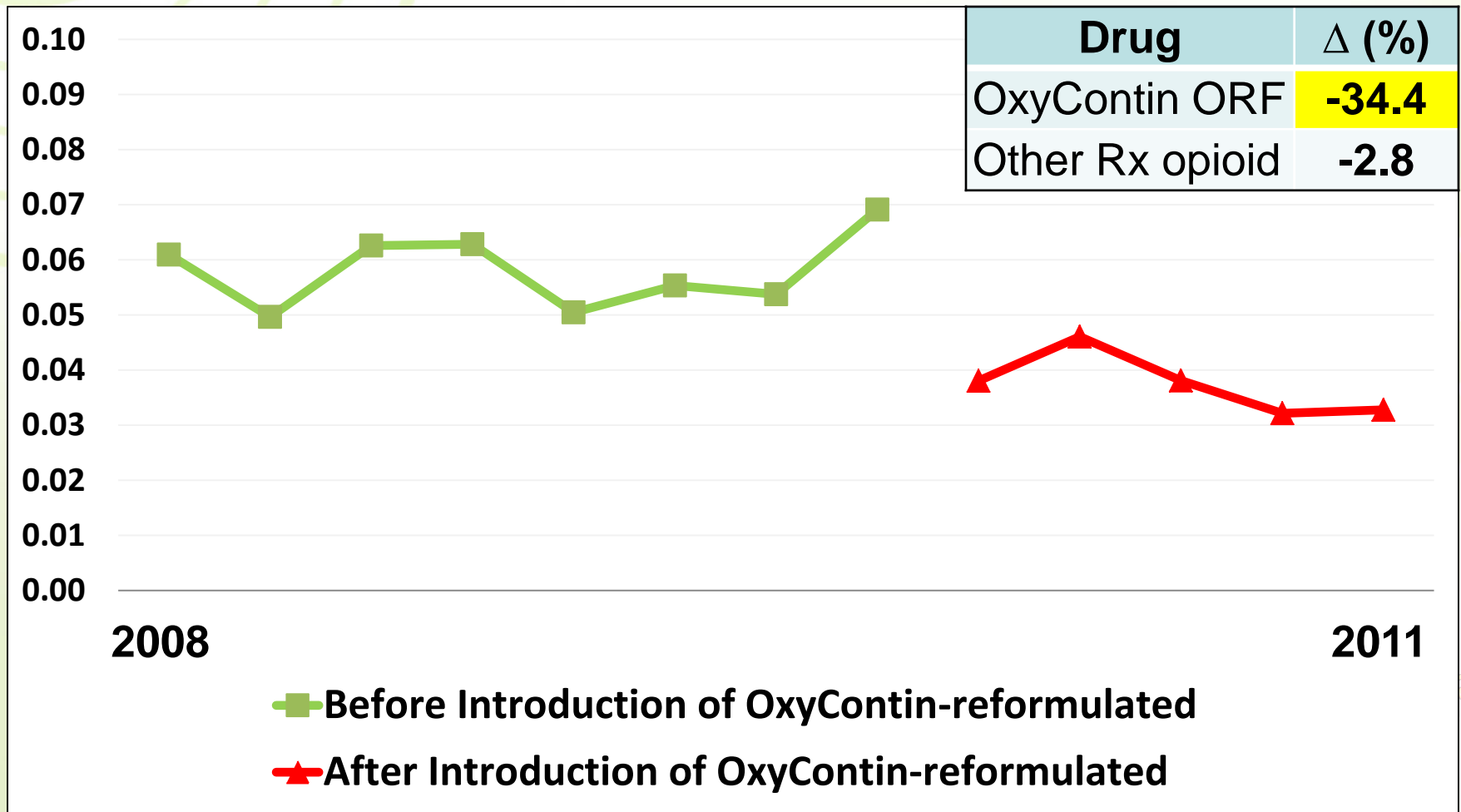


**OxyContin
OP**

Poison Center Program - Intentional Abuse

Population Rate for OxyContin

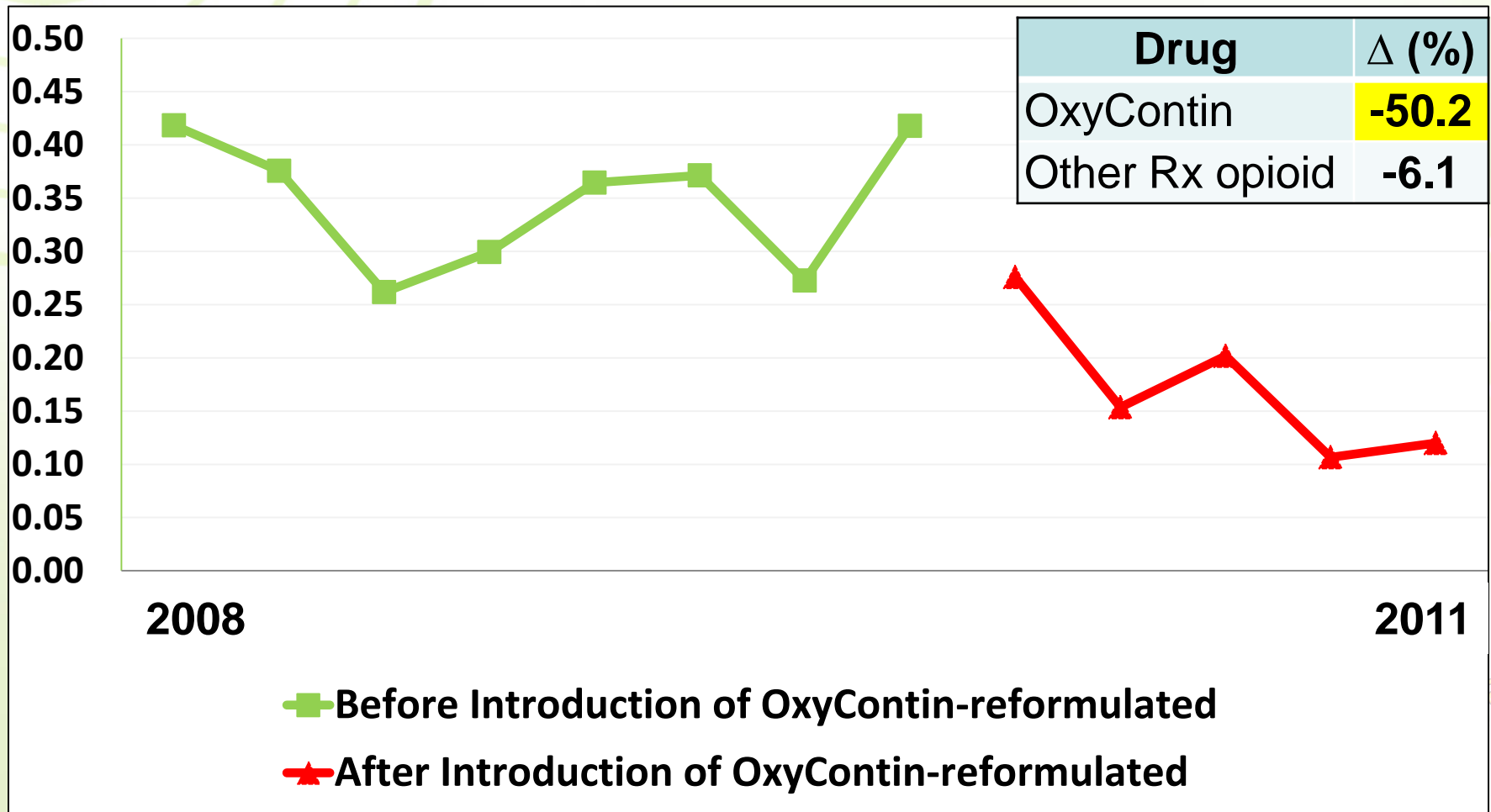
2008 Q4 - 2011 Q4



Drug Diversion Program

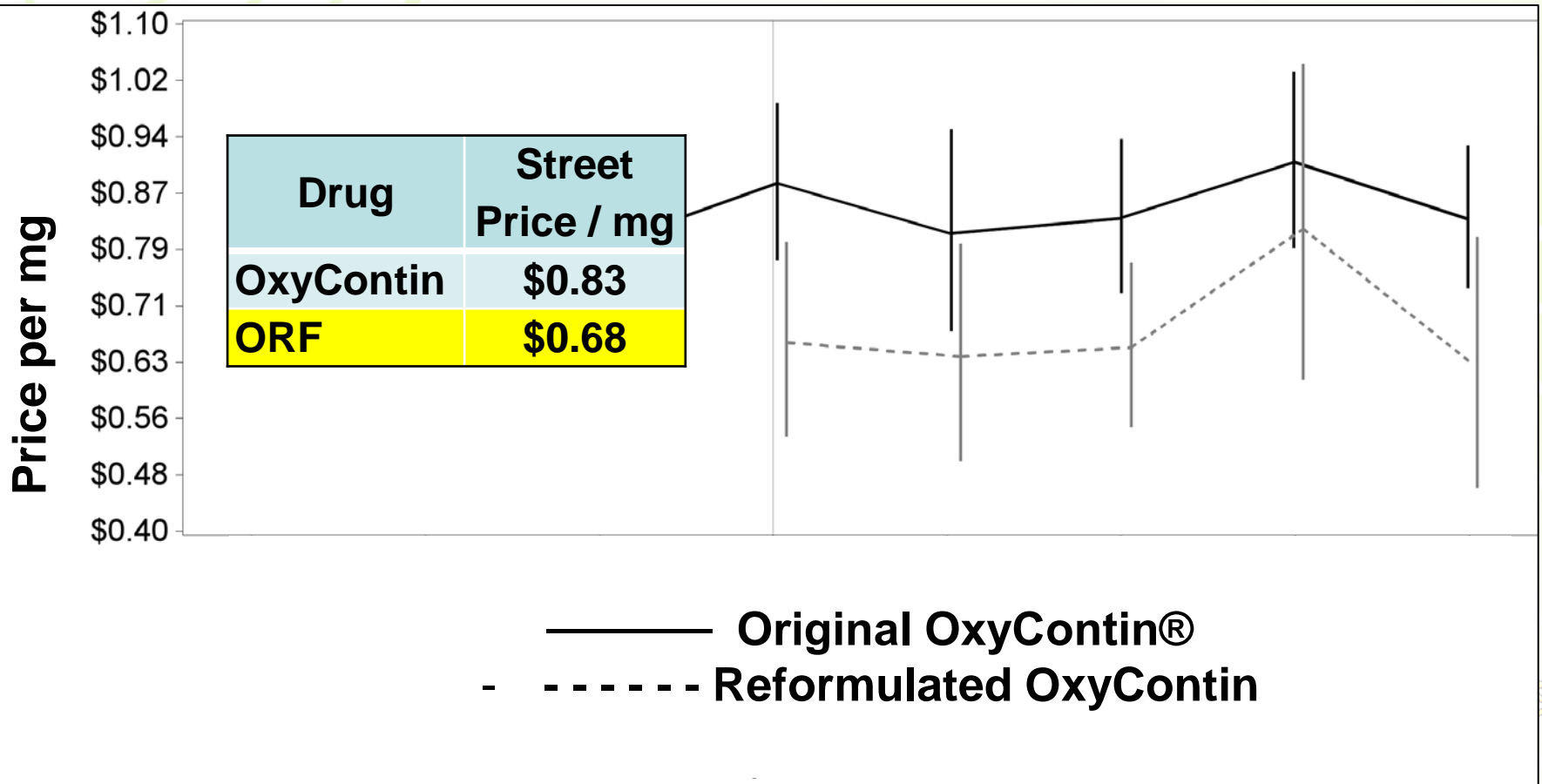
Population Rate for OxyContin

2008 Q4 - 2011 Q4



Drug Diversion Program

OxyContin Street Price 2010 Q1 - 2011 Q4

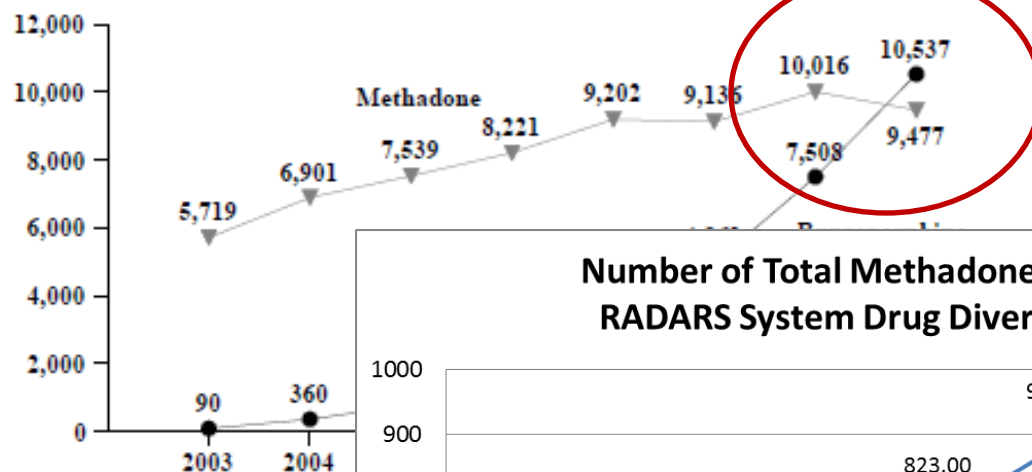


Single-Ingredient Buprenorphine and Buprenorphine + Naloxone

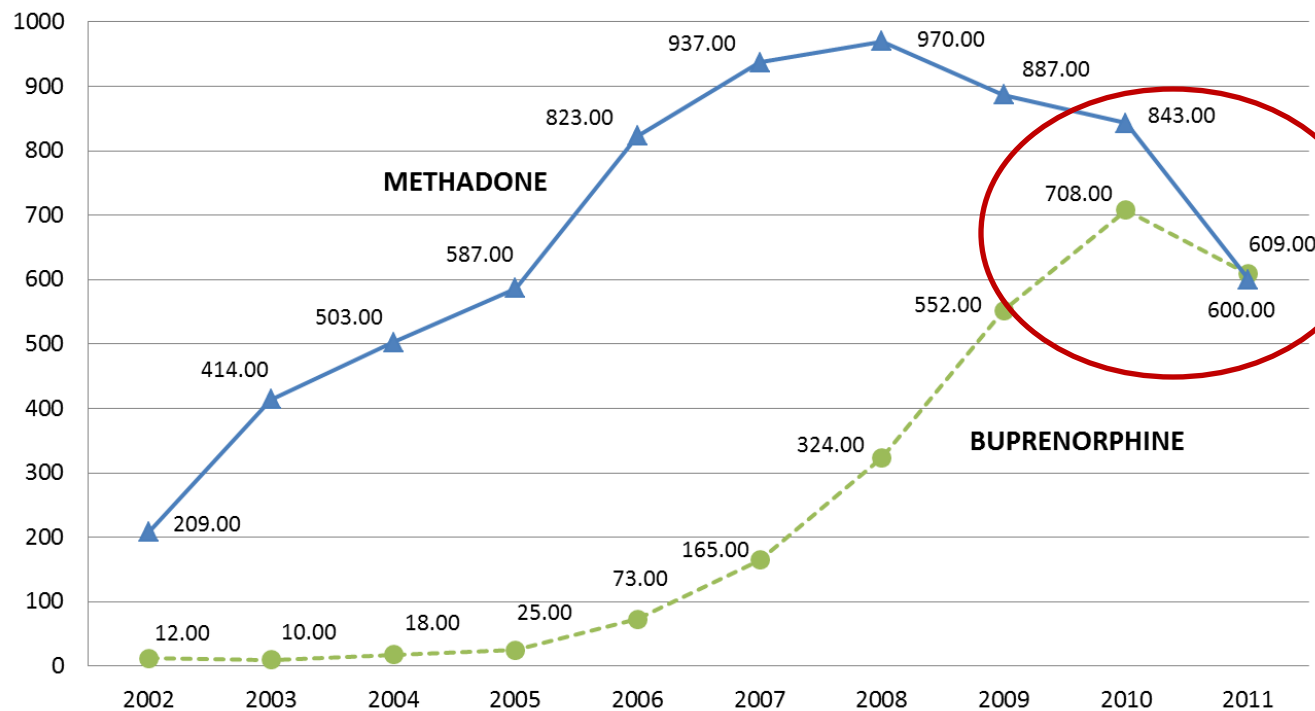
Buprenorphine Data Comparison

RADARS System & CESAR Fax

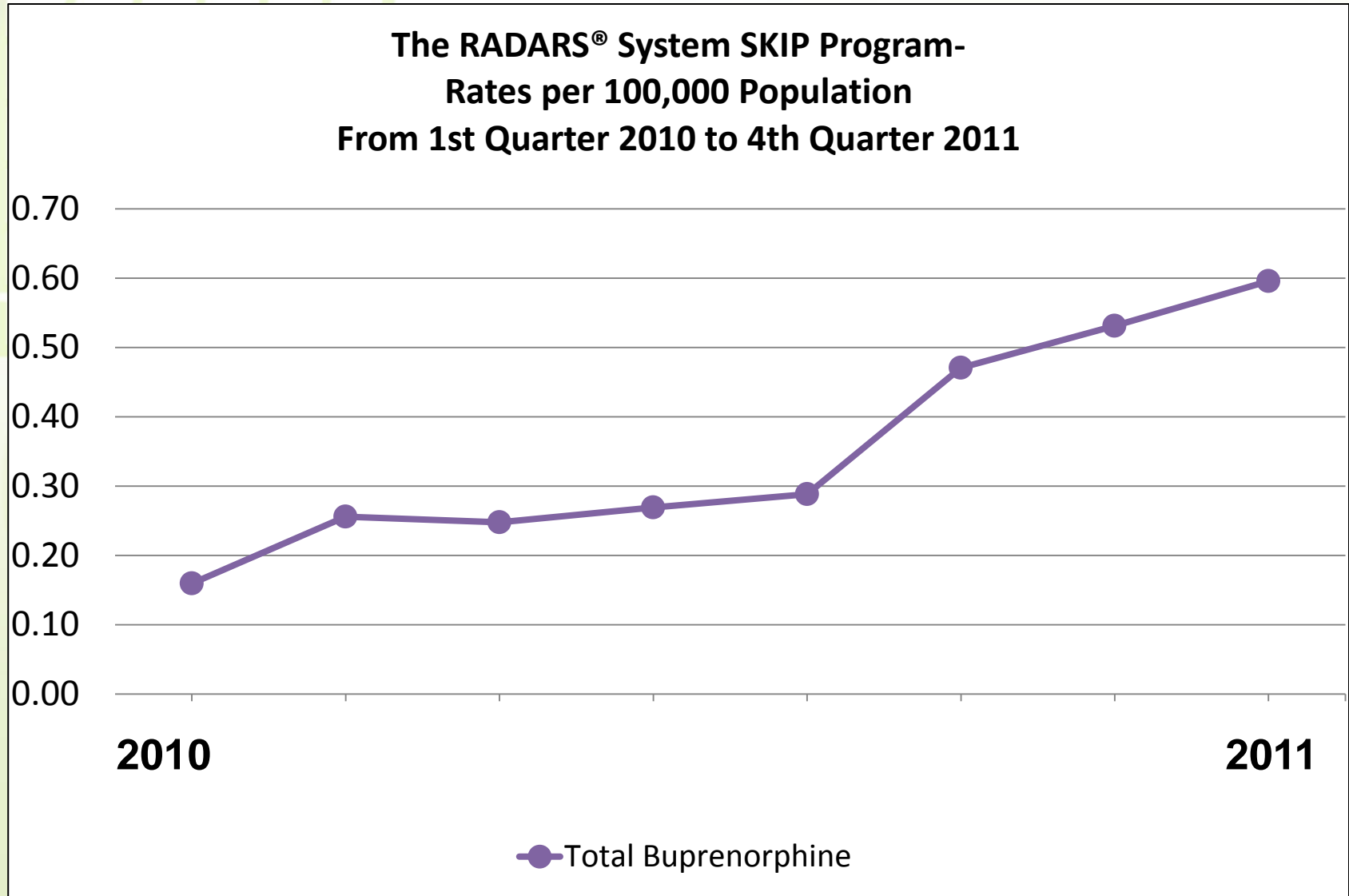
Estimated Number of Total Methadone and Buprenorphine Reports,
U.S. Law Enforcement-Seized Drug Exhibits Analyzed by Forensic Laboratories, 2003-2010



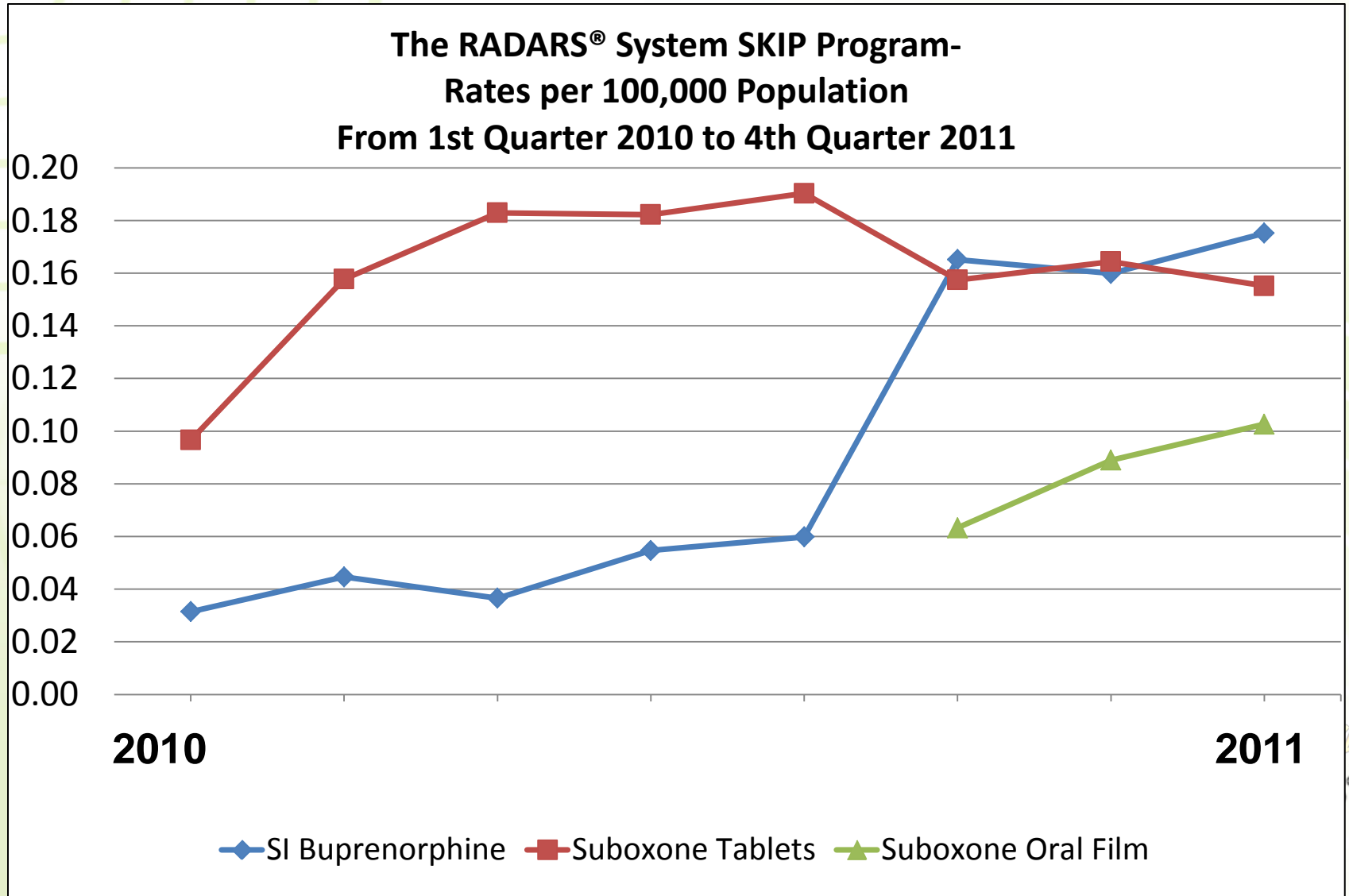
Number of Total Methadone and Buprenorphine Cases,
RADARS System Drug Diversion Program, 2002 - 2011



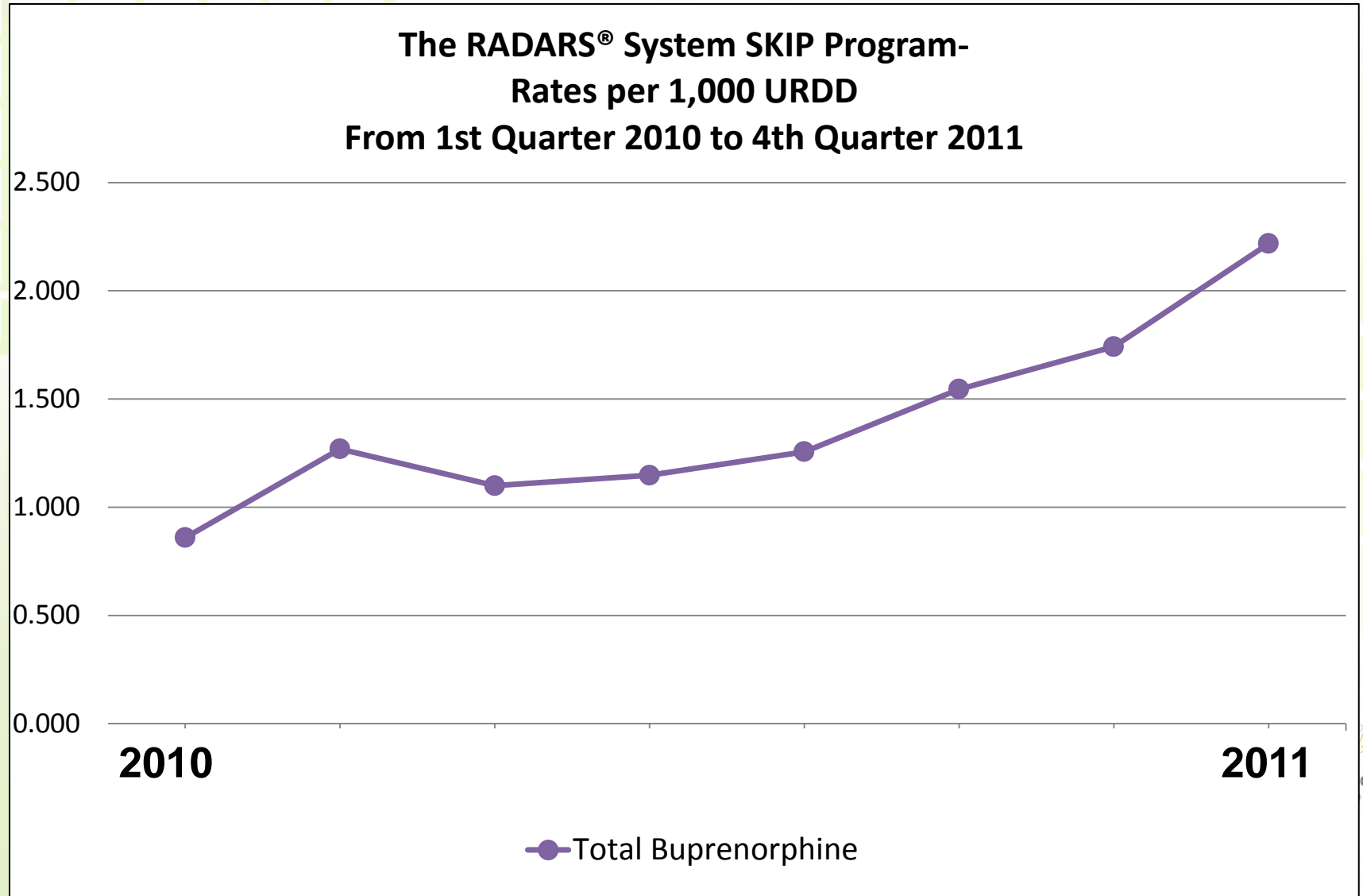
Buprenorphine Abuse: Importance of Product Specificity



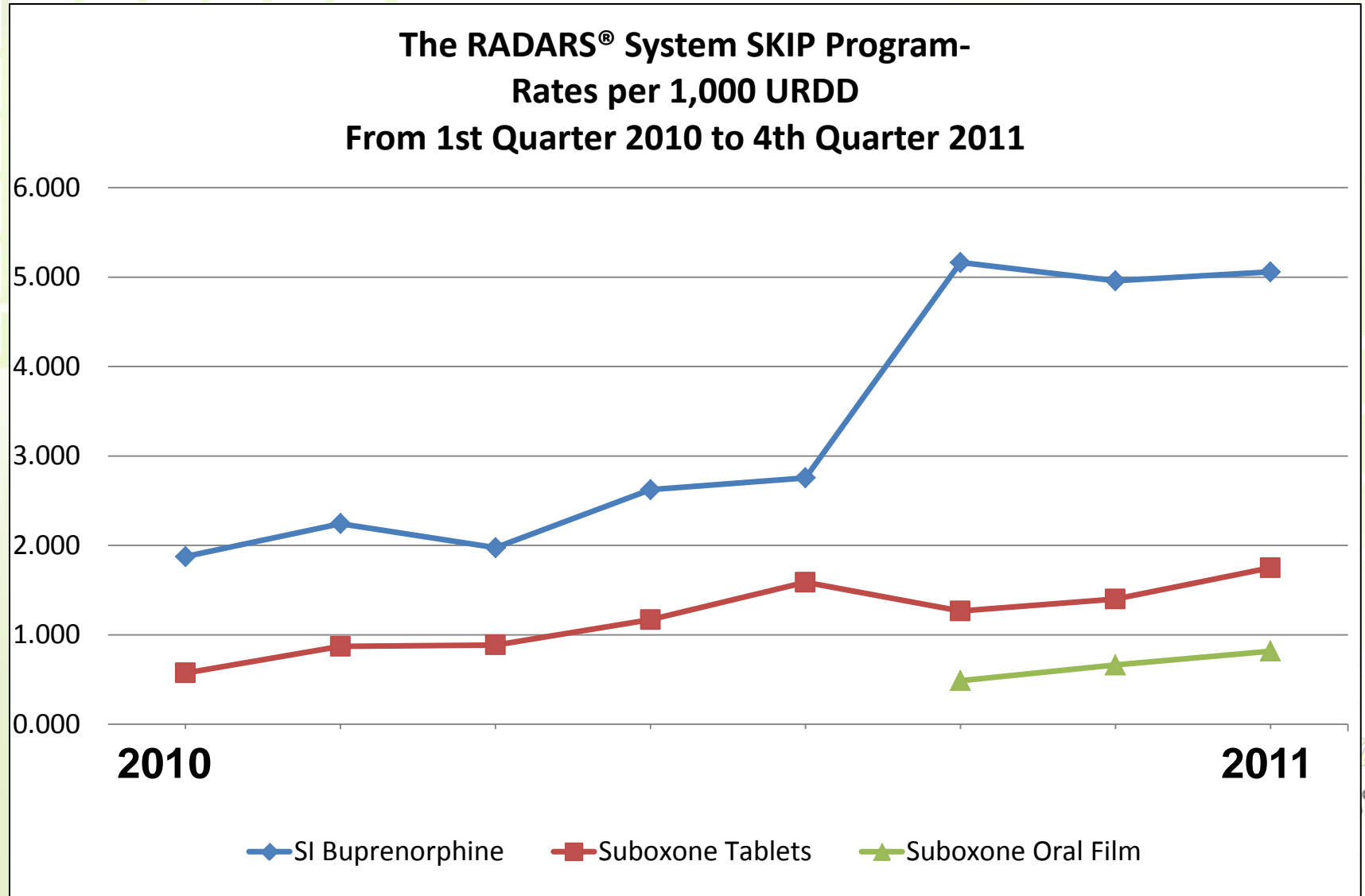
Buprenorphine Abuse: Importance of Product Specificity



Buprenorphine Abuse: Importance of Product Specificity



Buprenorphine Abuse: Importance of Product Specificity

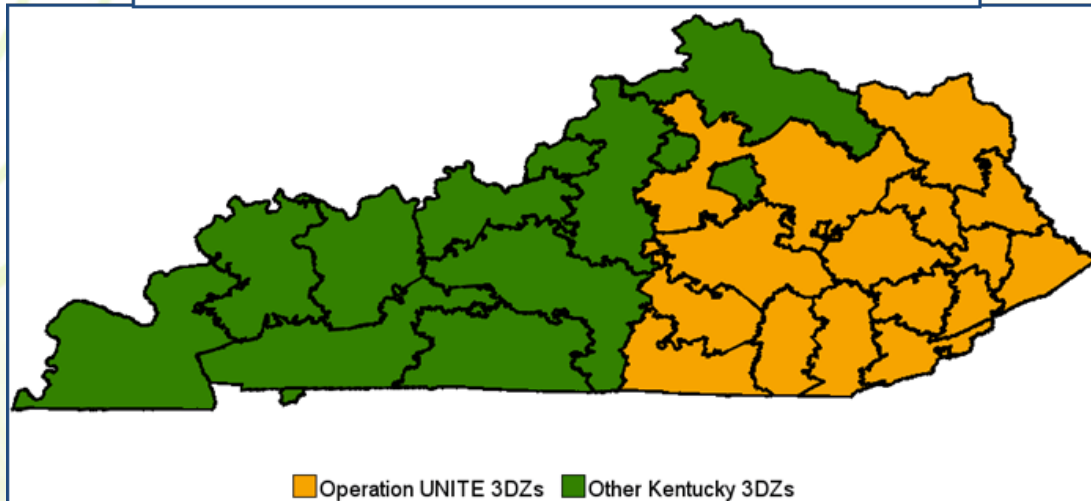


Intervention Analysis: OperationUNITE



OperationUNITE

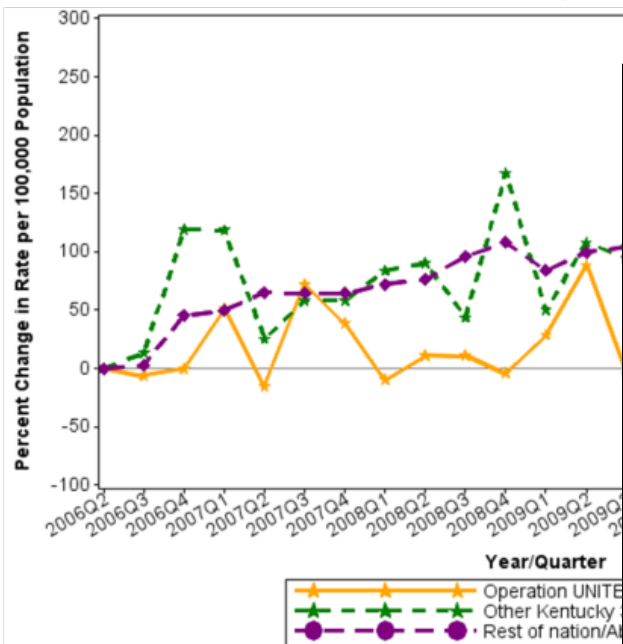
Kentucky 3-Digit Zip Codes



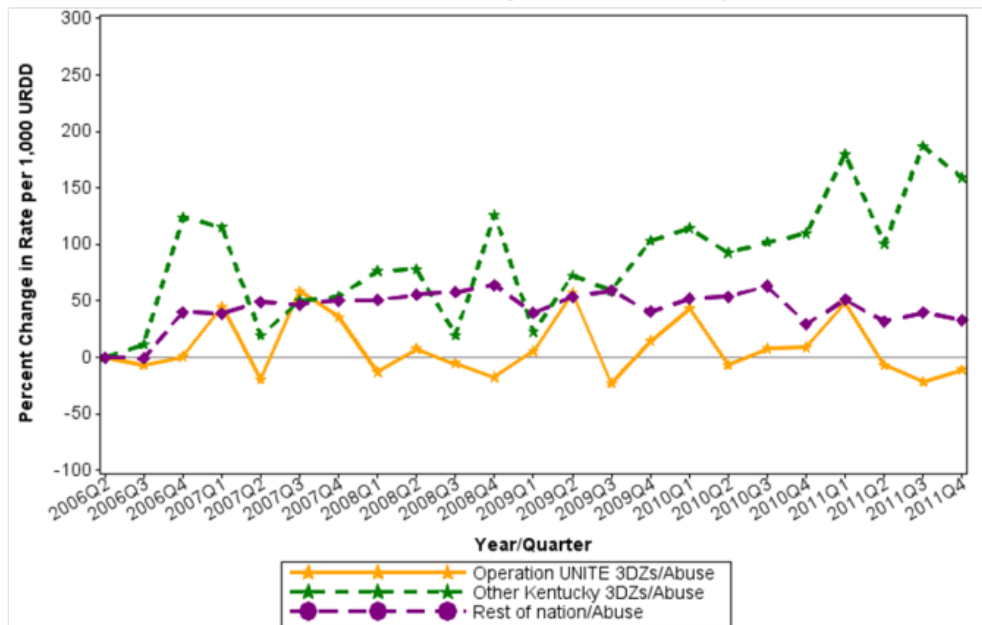
- **Narcotics Investigations**
 - Arrested over 3700 individuals
 - Total value of seized substances = \$11.6 Million
- **Treatment**
 - Voucher program providing over \$7.3 million for residential treatment
 - Drug Court created to support recovery and education rather than incarceration
- **Education**
 - 30 Community Coalitions
 - Drug Free Workplace Trainings
 - UNITE Service Corps volunteers to tutor, mentor, and educate

RADARS System Analysis of OperationUNITE

**The RADARS® System Poison Center Program –
Intentional Abuse Prescription Opioid Mentions
Percent Change in Rates: Kentucky v. Rest of United States
Population Rate 2008 Q4 through 2011 Q3 by time period**



**The RADARS® System Poison Center Program –
Intentional Abuse Prescription Opioid Mentions
Percent Change in Rates: Kentucky v. Rest of United States
URDD Rate 2008 Q4 through 2011 Q3 by time period**



RADARS® System Summary

- 10 years of data
- Capture data on multiple facets of drug abuse (mosaic approach)
- Product Specificity
 - Over 120 drugs of interest
 - Critical in understanding full scope of misuse and abuse issues
- Offer comparator data to other prescription opioids over the same period of time
- Provide data that are timely and comprehensive

