

Drug Poisoning, Abuse & Dependence in Dane County

Scope of the Problem

Lisa Bullard-Cawthorne, MS, MPH

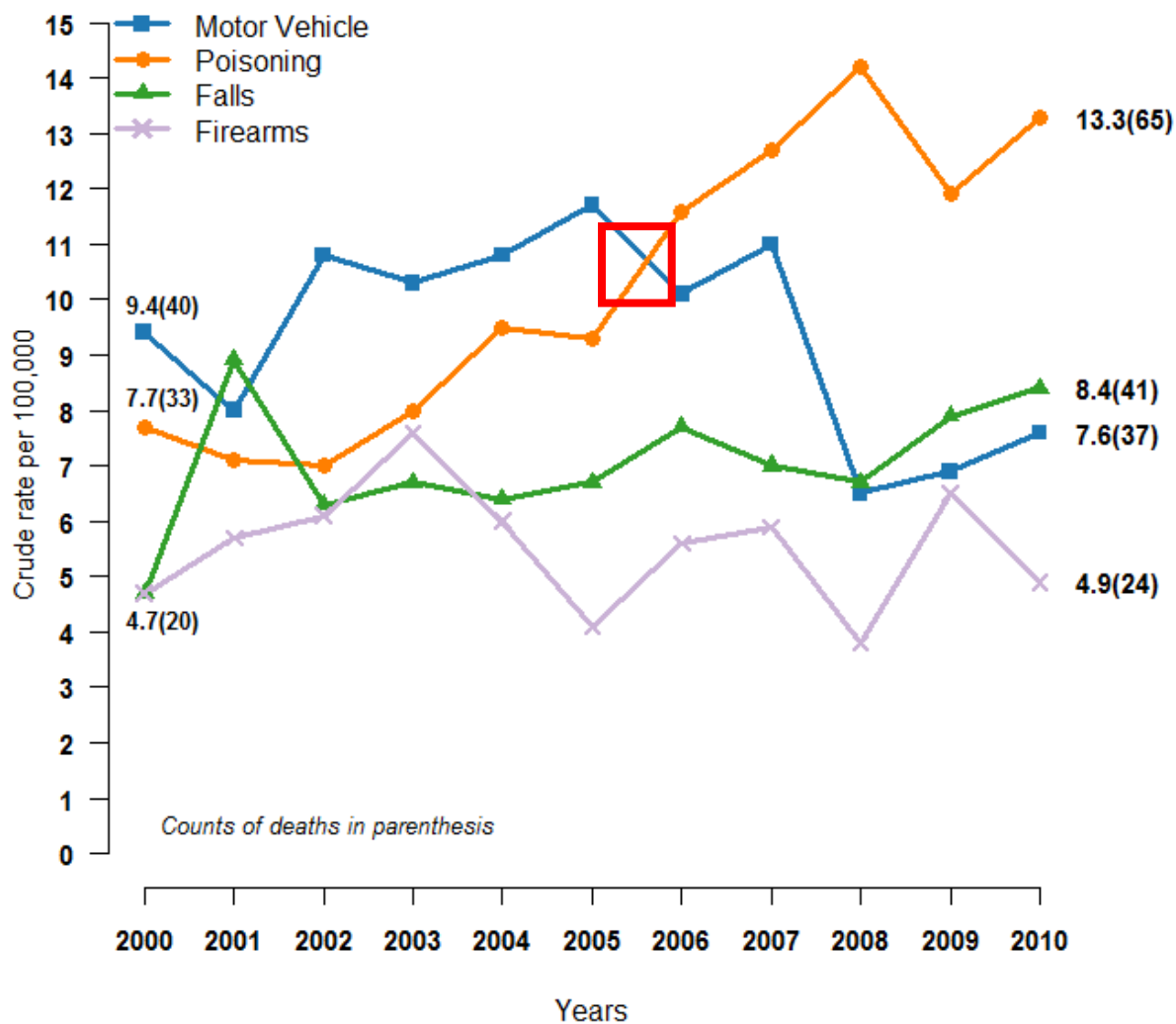
Mamadou Ndiaye, MD, MPH



Paint a Picture of Opiates in Our Community

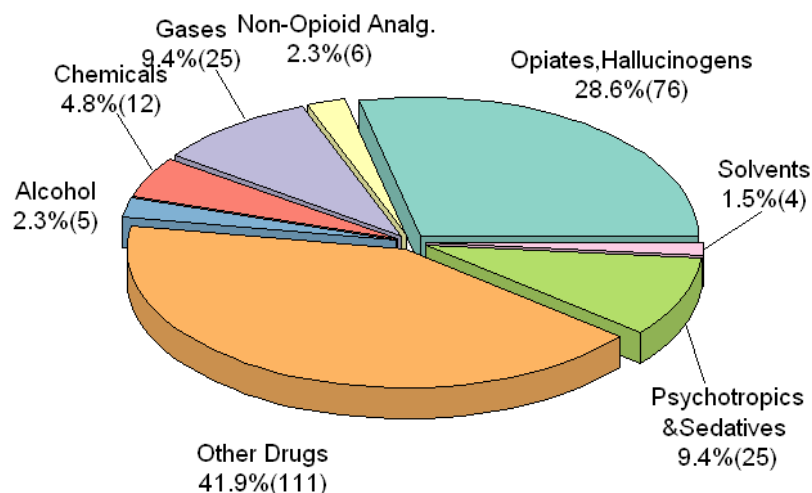
- Consequences
 - Death
 - Hospital Visits
 - Naloxone administered for Opiate Overdoses
- Non-Medical Use
- Source/Sales
- Treatment for Abuse and Dependence

Poisoning in Dane County Leading Cause of Injury Death



Most Poisoning Deaths & Hospitalizations Result from Drugs

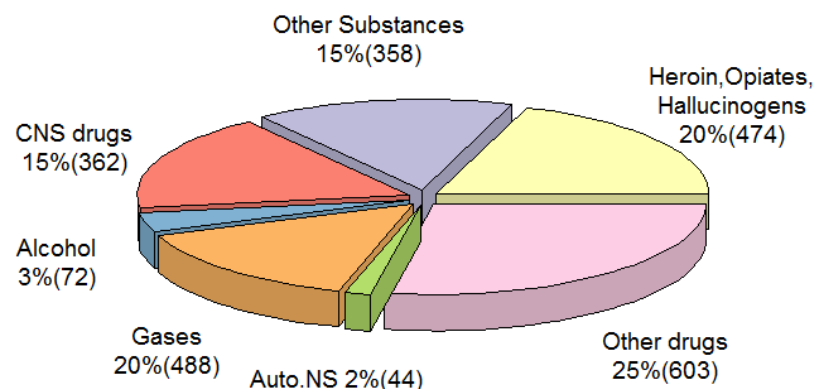
Poisoning Death by Substance
Dane County 2004-2008



Alcohol*
huge impact
on community

82% prescription, over-the counter, illicit drugs

Unintentional Poisoning ED visits and Hospitalization
By Substance-Dane County 2007-2011



62% prescription, over-the counter, illicit drugs

Large Numbers of People Go to the Hospital for Drug Poisoning in Dane County

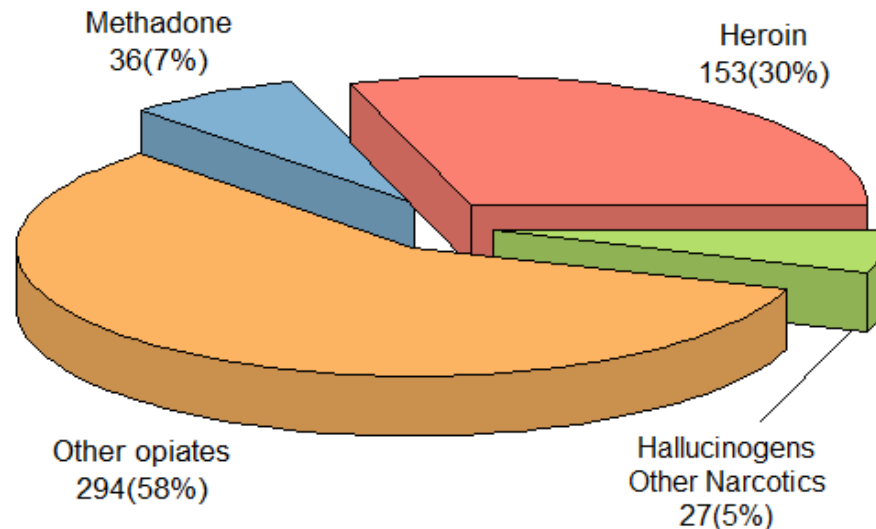
- In 2011, there were more than 1,200 visits to the hospital (admitted and emergency department visits) for drug poisoning (injuries).
 - 270 visits were opiate-related poisoning.
 - Teens and young adults more affected (15-24)

Opiates are a Special Concern: Highly Addictive and Abundant Supply

Unintentional Poisoning ED visits and Hospitalization for Opiates and other Narcotics Dane County, 2007-2011

Other opiates or opioid
analgesics:

- Oxycodone (Oxycotin & Percocet)
- Hydrocodone (Vicodin)
- Hydromorphone
- Meperidine (Demerol)
- Fentanyl
- Codeine
- Morphine
- Opium
- Propoxyphene (Darvon)
- Tramadol (Ultram or Tramal)

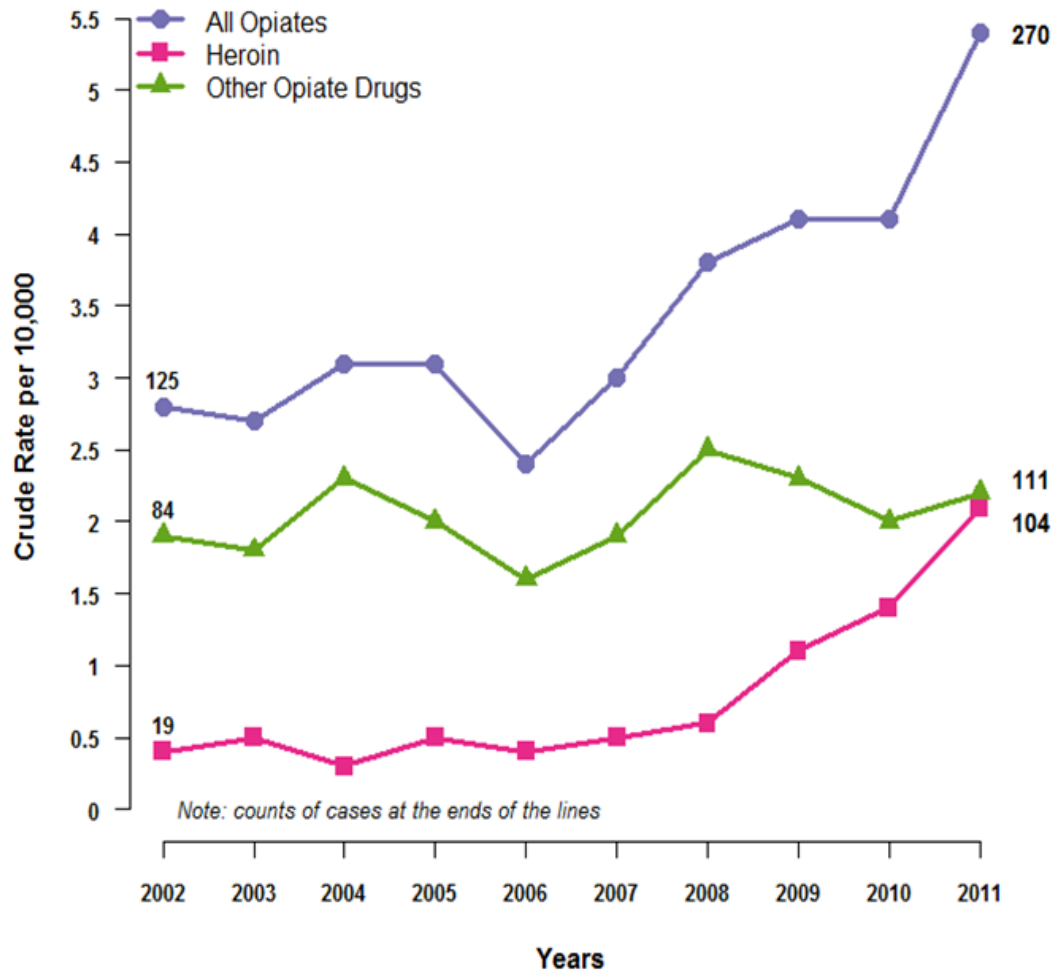


Other Opiates (mainly prescription pain medications) have biggest impact.
Can lead to Heroin (smoke or snort Injection).

* Main Diagnosis

Opiate* Hospitalizations and ED Visits Dramatically Increased in Past Decade

Opiate Hospitalization and ED visits
Dane County 2002-2011



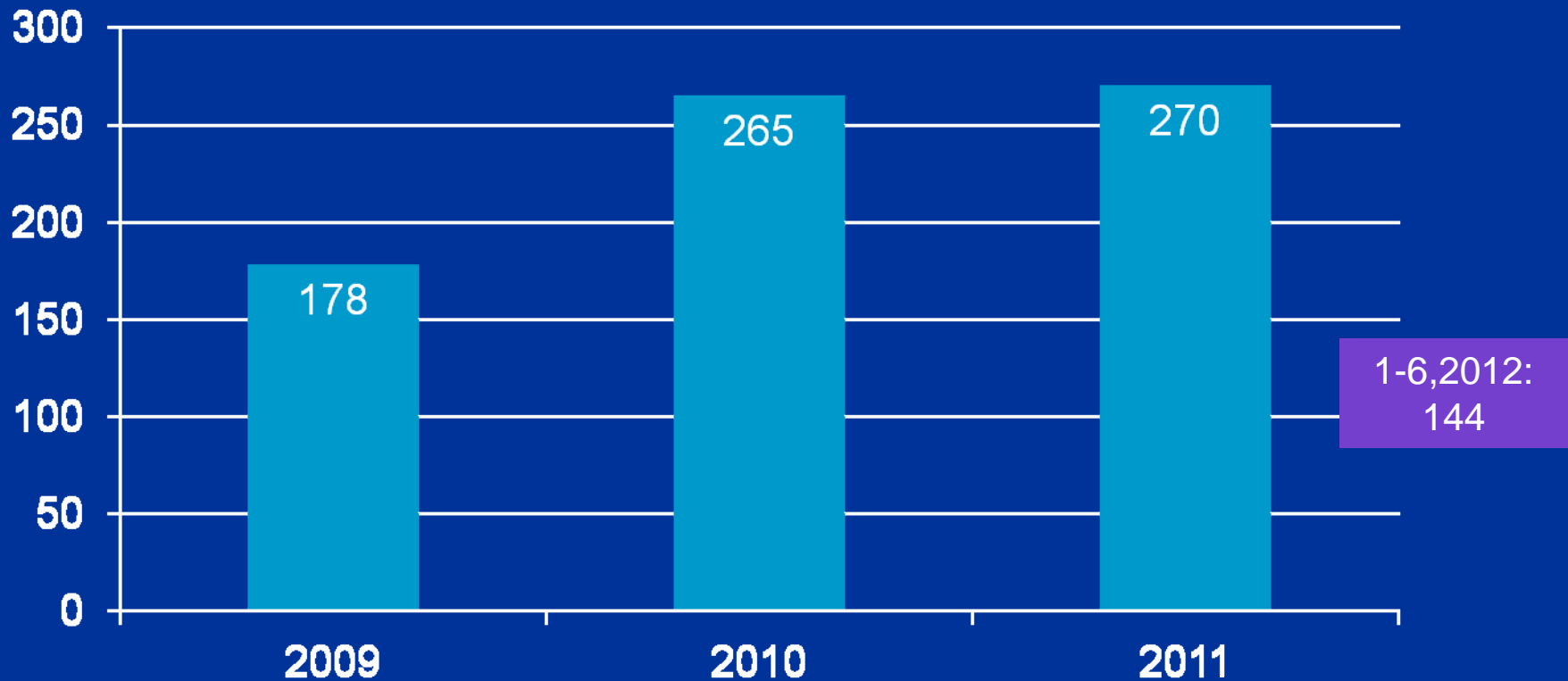
*Opiate -
any diagnosis

Additional People in Hospital with Substance (Drug) Related Disorder - Dane County

- In 2011, more than 3,500 people are in the hospital for substance (drug) related disorder
 - Non-dependent drug abuse (to detriment of his/her health or social functioning)
 - Dependence on drugs* (illicit and prescription)
 - Drug-induced mental disorder
- More than 1000 were for opioid-related drugs.

Increasing Number of Madison EMS Calls Naloxone (Narcan*) Administered

Narcan Administration



Madison Fire & EMS

* Narcan mostly used to reverse opiate overdose

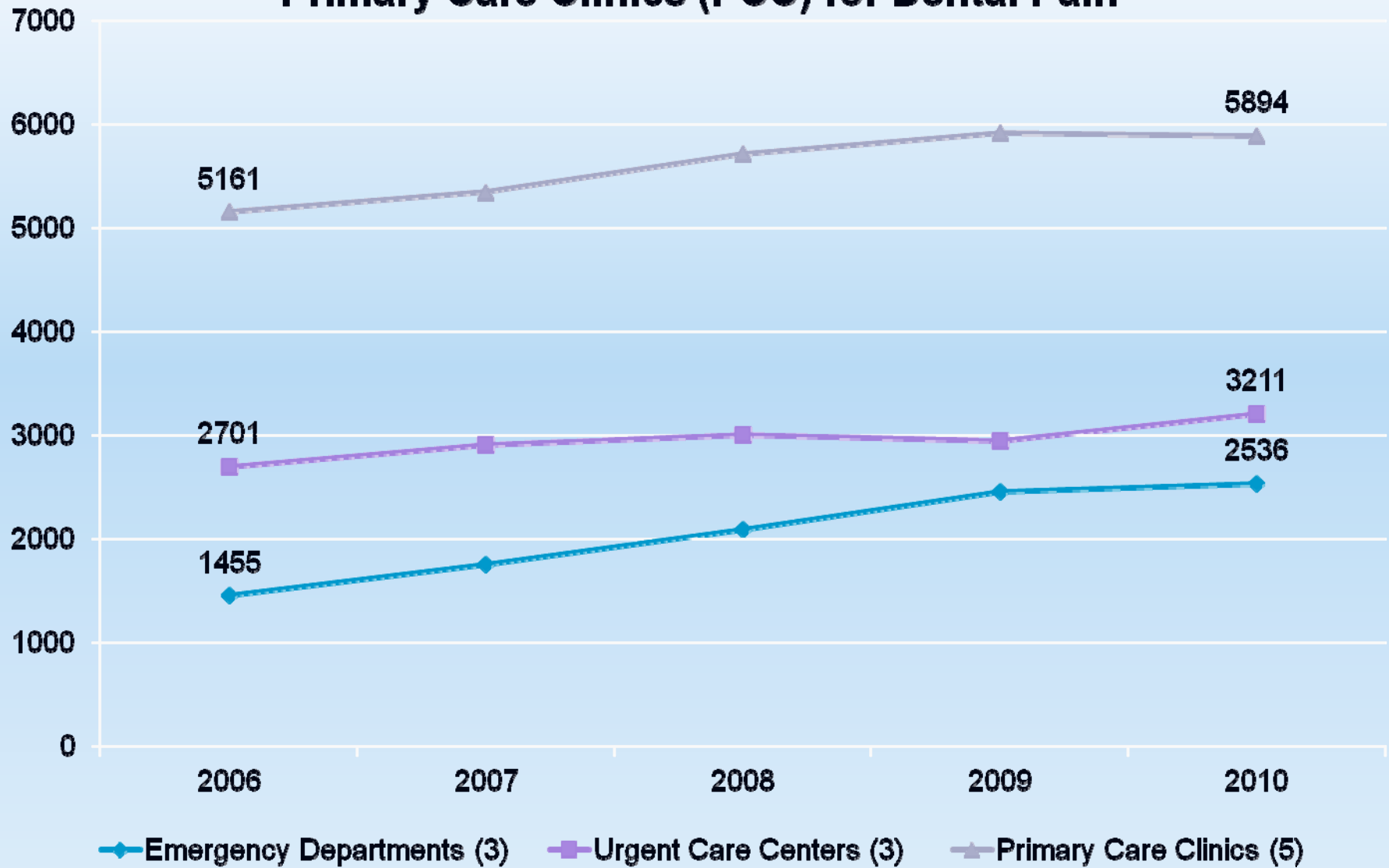
** Some Narcan injections were for accidental or other legitimate medical concerns.

“Non-Medical Use” of Prescription Opioids

- Where are these medications coming from?
How many patients who had an overdose ever had a legitimate prescription for the medication they overdosed on?
- What do persons report is the source of the prescription opioids that they’re using?
 - Their own doctor?
 - A family member who got it from their own doctor?
 - A friend who got it from their own doctor?
 - A dealer?
 - Multiple sources?

Thanks to Michael Miller, MD, Rogers Memorial Hospital

Opiates Prescribed at Visits to Dane County Emergency Departments (ED), Urgent Care Centers (UCC) & Primary Care Clinics (PCC) for Dental Pain



Increase in National **Retail Sales** of Opioid Medications (grams of medication 1997-2005)

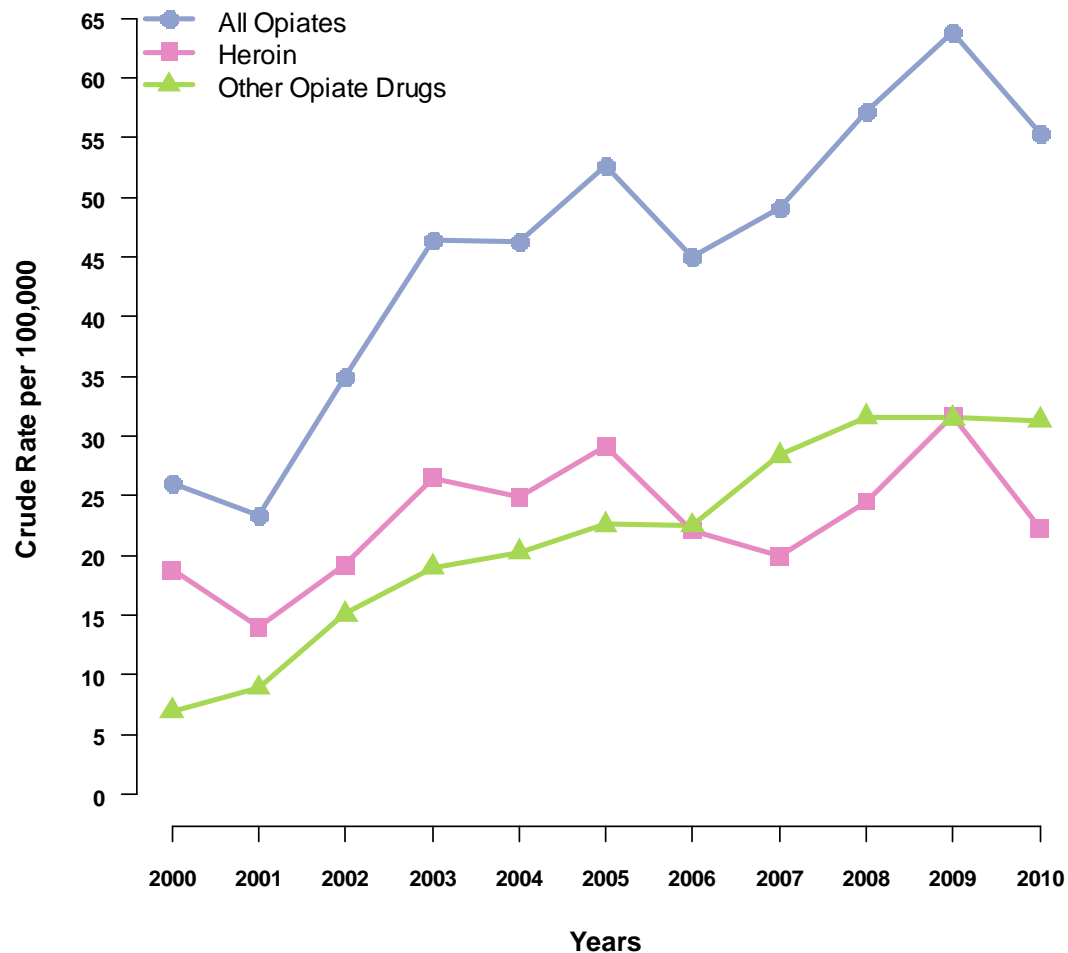
	1997	2005	% of Change
Methadone	518,737	5,362,815	933%
Oxycodone	4,449,562	30,628,973	588%
Fentanyl Base	74,086	387,928	423%
Hydromorphone	241,078	781,287	244%
Hydrocodone	8,669,311	25,803,544	198%
Morphine	5,922,872	15,054,846	154%
Meperidine	5,765,954	4,272,520	-26%
Codeine	25,071,410	18,960,038	-24%

http://www.deadiversion.usdoj.gov/arcos/retail_drug_summary/index.html

Table thanks to Marv Seppala, MD, Hazelden Foundation

Increase in Number of Dane County AODA Treatment Clients With Problematic Opiate Use

Dane Co. AODA Treatment for Opiate 2000-2010



2011:
316 opiate
clients