

Prescription opioid overdose in Oregon: A public health perspective



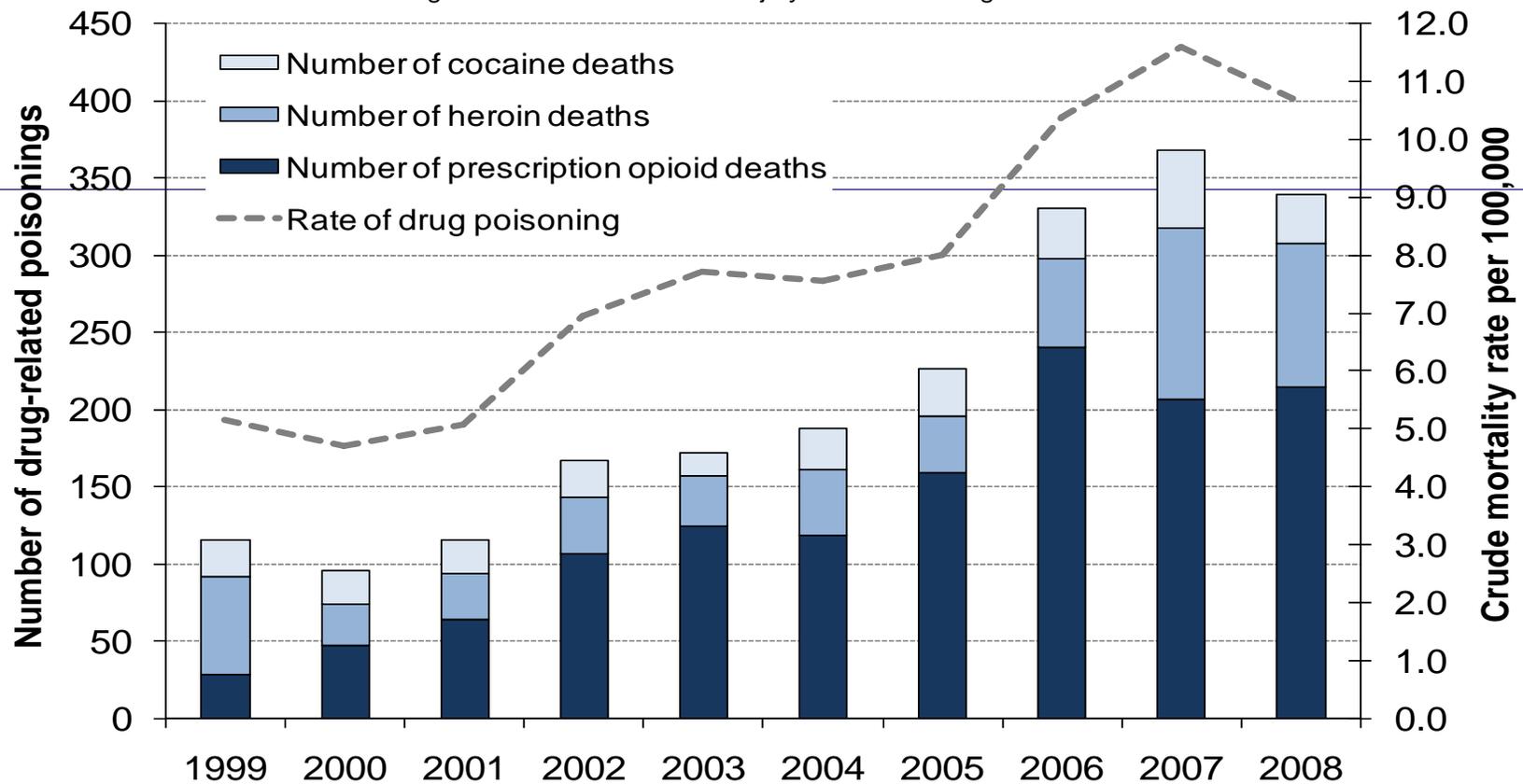
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Deaths

Drug poisoning mortality: rate and frequency by year and select drug type, Oregon, 1999-2008

Oregon Public Health Division- Injury Prevention Program

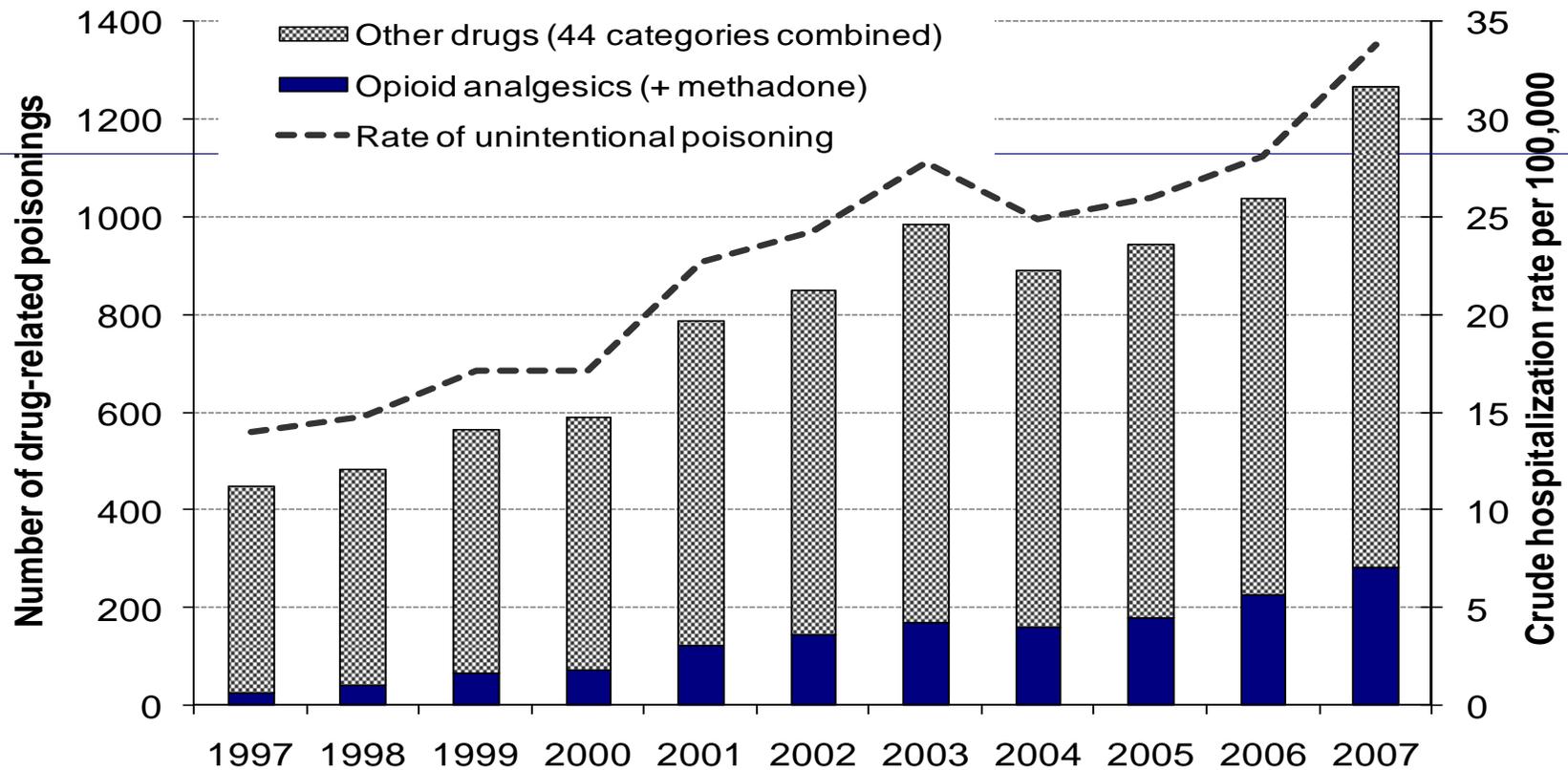


*2008 mortality data are preliminary; drug death categories are not necessarily mutually exclusive- deaths may involve multiple drugs. Includes unintentional and undetermined drug poisonings. Data source: Oregon Center for Health Statistics mortality data file.

Hospitalizations

Unintentional poisoning hospitalization- rate and frequency by drug category and year, Oregon 1997-2007

Oregon Public Health Division- Injury Prevention Program

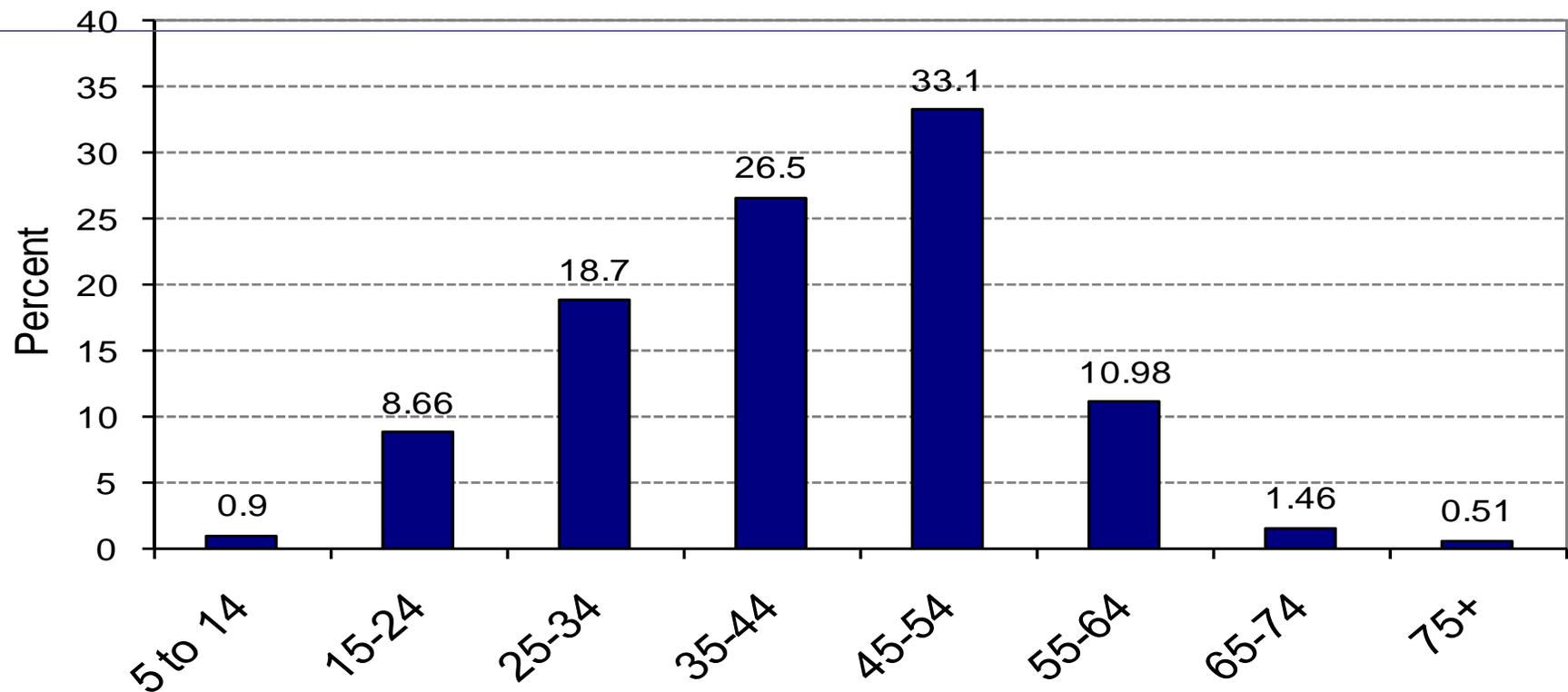


Data source: Oregon Hospital Discharge Index

Who is at risk?

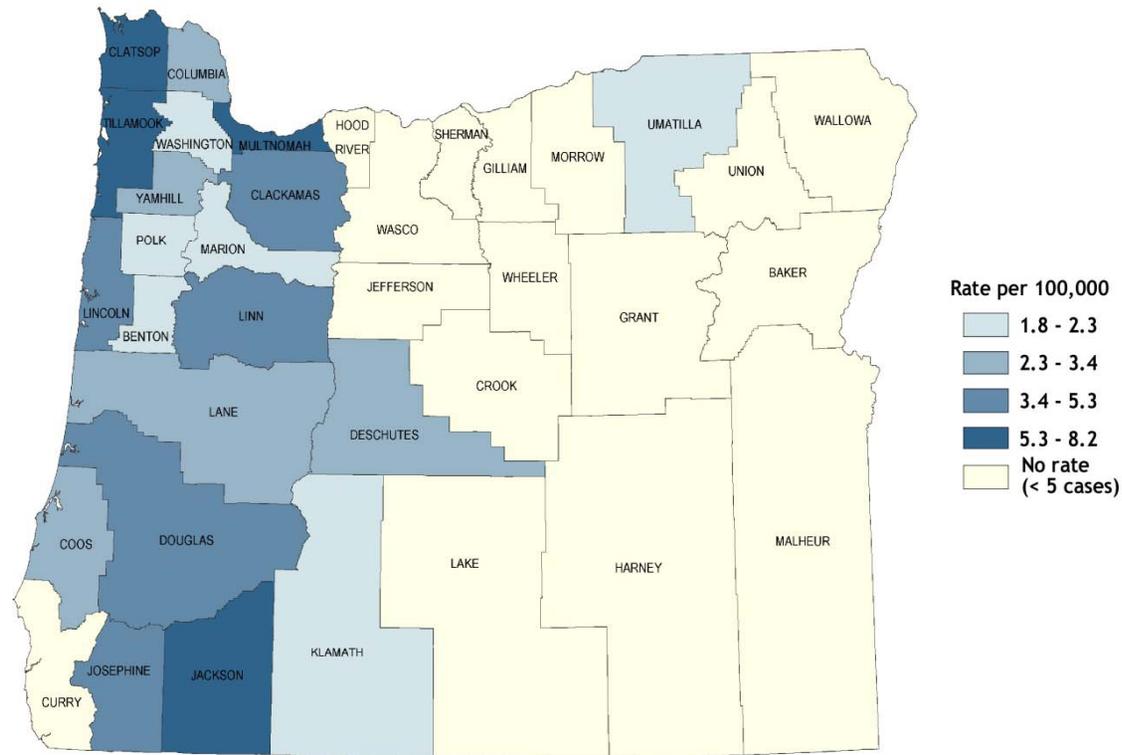
Age distribution of prescription opioid deaths, Oregon, 1999-2009

Oregon Public Health Division- Injury Prevention Program



Where are the Deaths?

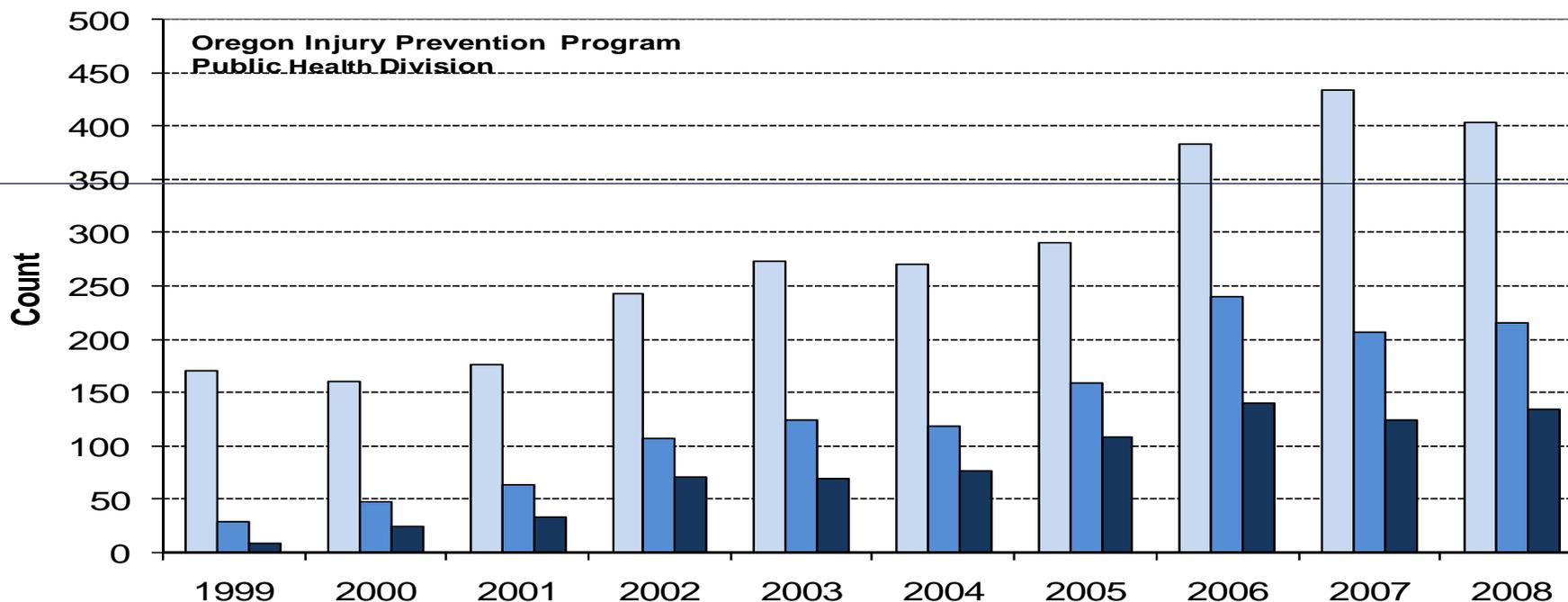
Prescription Opioid Overdose Mortality Rate by County, 2003-2007



Unintentional poisonings in ICD-10 range X40-X44.
Rates based on counts less than 20 may not be stable and should be interpreted with caution.

The Role of Methadone

Drug poisoning mortality: the role of methadone, Oregon, 1999-2008

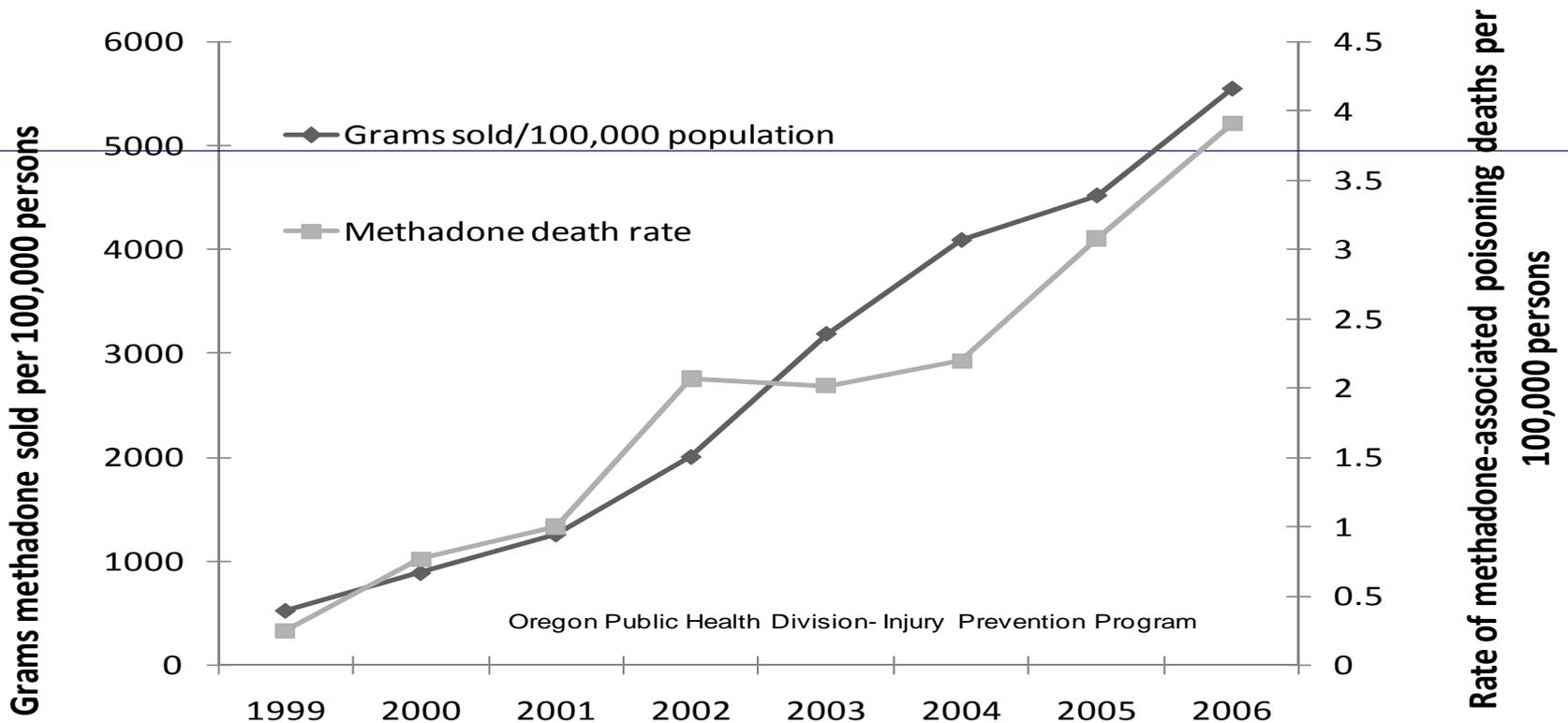


2008 data are preliminary. Categories are not mutually exclusive- many deaths simultaneously involve several types of drugs. Includes only deaths with an X40-X44 & Y10-Y14 ICD-10 code for underlying cause of death (unintentional and undetermined intent).

- All drug and medication-related deaths combined
- All prescription opioid-related deaths combined
- Methadone-related deaths

Methadone: Grams Sold & Death Rate

Retail distribution of methadone in Oregon and poisoning mortality rate associated with methadone in Oregon, 1999-2006



Note: grams sold on left axis, death rate on right axis

Sources: US Dept. of Justice, Drug Enforcement Administration, Office of Diversion Control, Automation of Reports and Consolidated Orders System (ARCOS); Oregon Center for Health Statistics mortality data files. Includes unintentional and undetermined intent deaths.

Factors Among Methadone Decedents

- 41% prescribed methadone; 30% no Rx
- Prescriptions: 43% pain; 26% methadone maintenance
- In 77%, abuse contributed to death
- 75% history of substance abuse
- 21% history of substance abuse treatment
- 52% history of mental illness

Sample N= 56

Pain Medication Misuse

- Oregon: 5th highest state for nonmedical use of prescription painkillers*
 - 6.6% of persons ≥ 12 years
 - 8.2% of persons 12-17 years
 - 17.9% of persons 18-25 years – highest in any US state

*SAMHSA- 2008 National Survey on Drug Use and Health, state level data

Summary

- 53% of drug overdoses in Oregon associated with prescription opioids
 - Overall: 540% increase in since 1999
 - Methadone: 1,500% increase in deaths since 1999
 - 33% of all drug-related deaths (licit and illicit) associated with methadone

Roles for Partners

- **Clinicians:**
 - Mandatory provider education; dosing guidelines ; Lock-in programs in Medicaid
- **Regulatory: Board of Pharmacy, DEA**
 - Single copy, serialized paper Rx forms; E-prescribing;
 - FDA black box warnings: methadone , OxyContin
- **Law Enforcement**
 - Drug take-back; Drug courts
- **Public Health**
 - Naloxone programs; PMPs

Oregon PDMP

- “...establish and maintain a prescription monitoring program for monitoring and reporting prescription drugs dispensed by pharmacies in Oregon that are classified in schedules II through IV under the federal Controlled Substances Act...”

Oregon PDMP: Overview

- Oregon Health Authority
- Web-based
- Authorized and authenticated users only
- Queriable by patient or DEA #
- 3-years prescription Hx
- Pharmacies upload data

Purposes of Oregon PDMP

- Provide data on 10 Million Prescriptions for 1,000 dispensers to:
 - 20,000 healthcare providers
 - Licensing boards
 - Law enforcement
 - Consumers
 - Evaluation & research

Information Collected

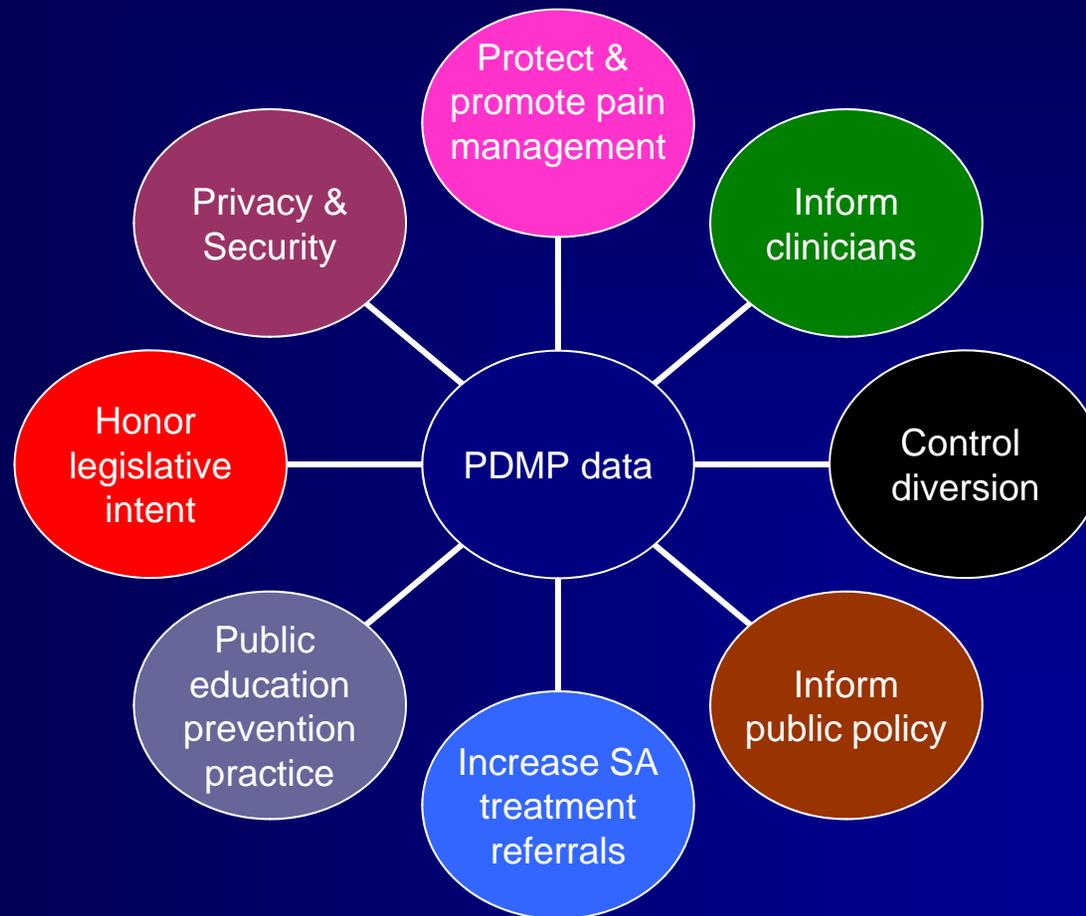
Patient information

- First, last names, middle initial
- Date of birth
- Full address
- Drug: date prescribed; date dispensed; quantity

Pharmacy and practitioner information

- Dispensing pharmacy ID
- Prescribing practitioner ID

Balance of Needs



Questions?

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