

# Welcome

Office for State, Tribal, Local and Territorial Support  
*presents . . .*

## **CDC Vital Signs** **Prescription Painkiller Overdoses Among Women**

July 9, 2013

2:00–3:00 pm (EDT)



Centers for Disease Control and Prevention  
Office for State, Tribal, Local and Territorial Support

# Agenda

2:00 pm	<b>Welcome &amp; Introductions</b>	<b>Richard Schieber, MD</b> Coordinator, CDC <i>Vital Signs</i> Program, CDC
2:04 pm	<b>Presentations</b>	<b>Karin Mack, PhD</b> Senior Behavioral Scientist, Prescription Drug Overdose Team, Division of Unintentional Injury Prevention, National Center for Injury Prevention and Control, CDC  <b>Anne Rogers, MEd</b> Data and Research Manager, Maine Office of Substance Abuse, Maine Department of Health and Human Services  <b>Hal Johnson, MPH</b> Behavioral Health Epidemiologist, Florida Department of Children and Families, Substance Abuse Program Office
2:30 pm	<b>Q&amp;A and Discussion</b>	<b>Richard Schieber, MD</b>
2:55 pm	<b>Wrap-up</b>	
3:00 pm	<b>End of Call</b>	



**CDC**  
**Vital**signs™ Teleconference  
to support STLT efforts and build  
momentum around the monthly  
release of **CDC Vital Signs**





# Prescription Painkiller Overdoses Among Women

**Karin A. Mack, PhD**

Division of Unintentional Injury Prevention

**CDC Vital Signs Town Hall**

July 9, 2013

## Key Findings

- In 2010, drug overdoses in the United States caused 15,323 deaths among women
  - Opioid pain relievers (prescription painkillers) were involved in 6,631 deaths
- Deaths from prescription painkiller overdoses among women have increased more than 400% since 1999, compared to 265% among men

Centers for Disease Control and Prevention

**MMWR**

Morbidity and Mortality Weekly Report

Early Release / Vol. 62

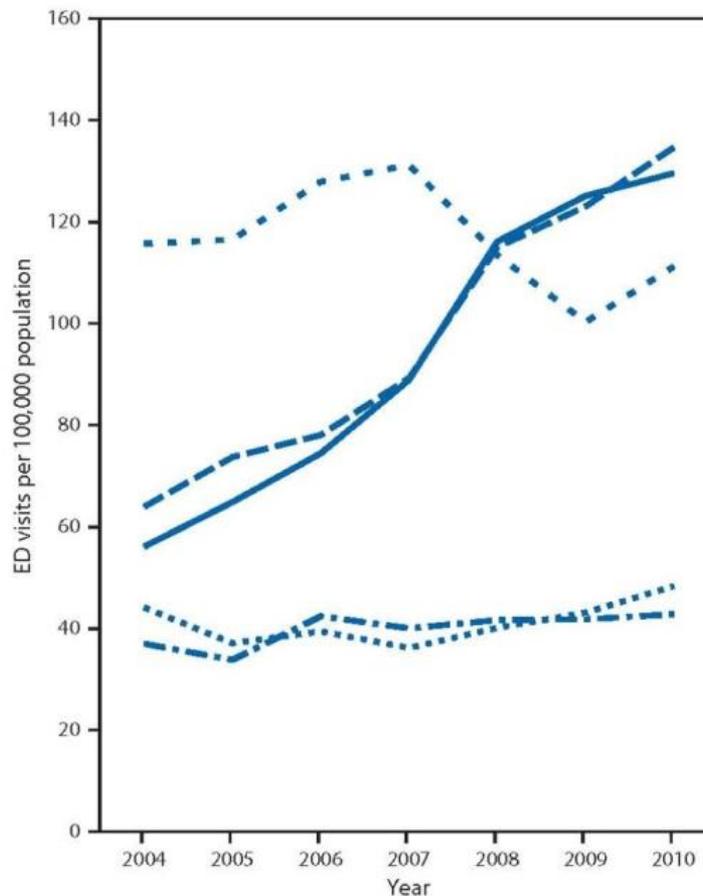
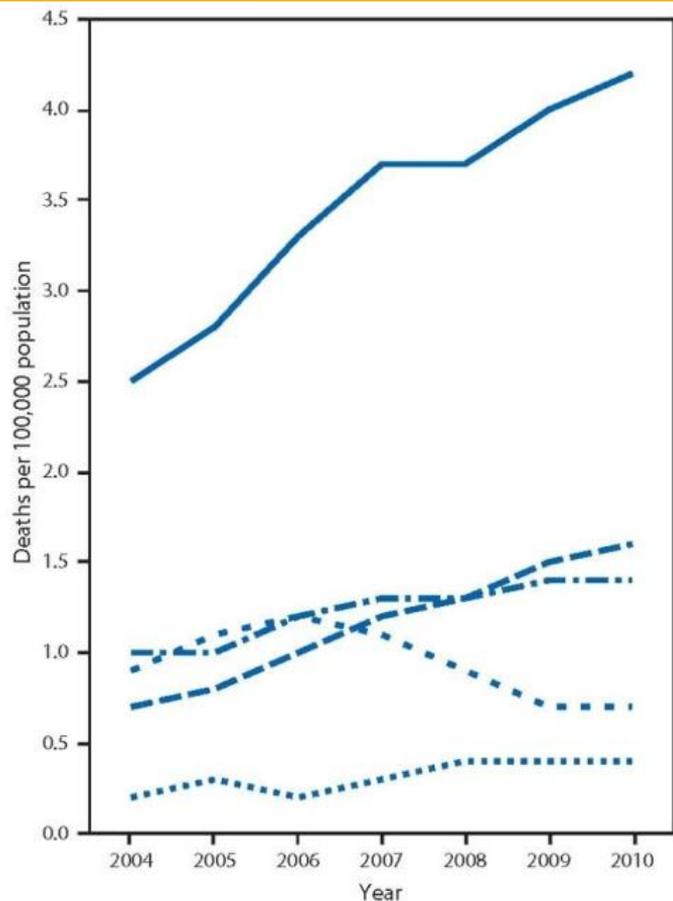
July 2, 2013

**Overdoses of Prescription Opioid Pain Relievers and Other  
Drugs Among Women — United States, 1999–2010**

# Women and Selected Drugs 2004–2010

## Drug overdose deaths

## Emergency department visits for misuse or abuse



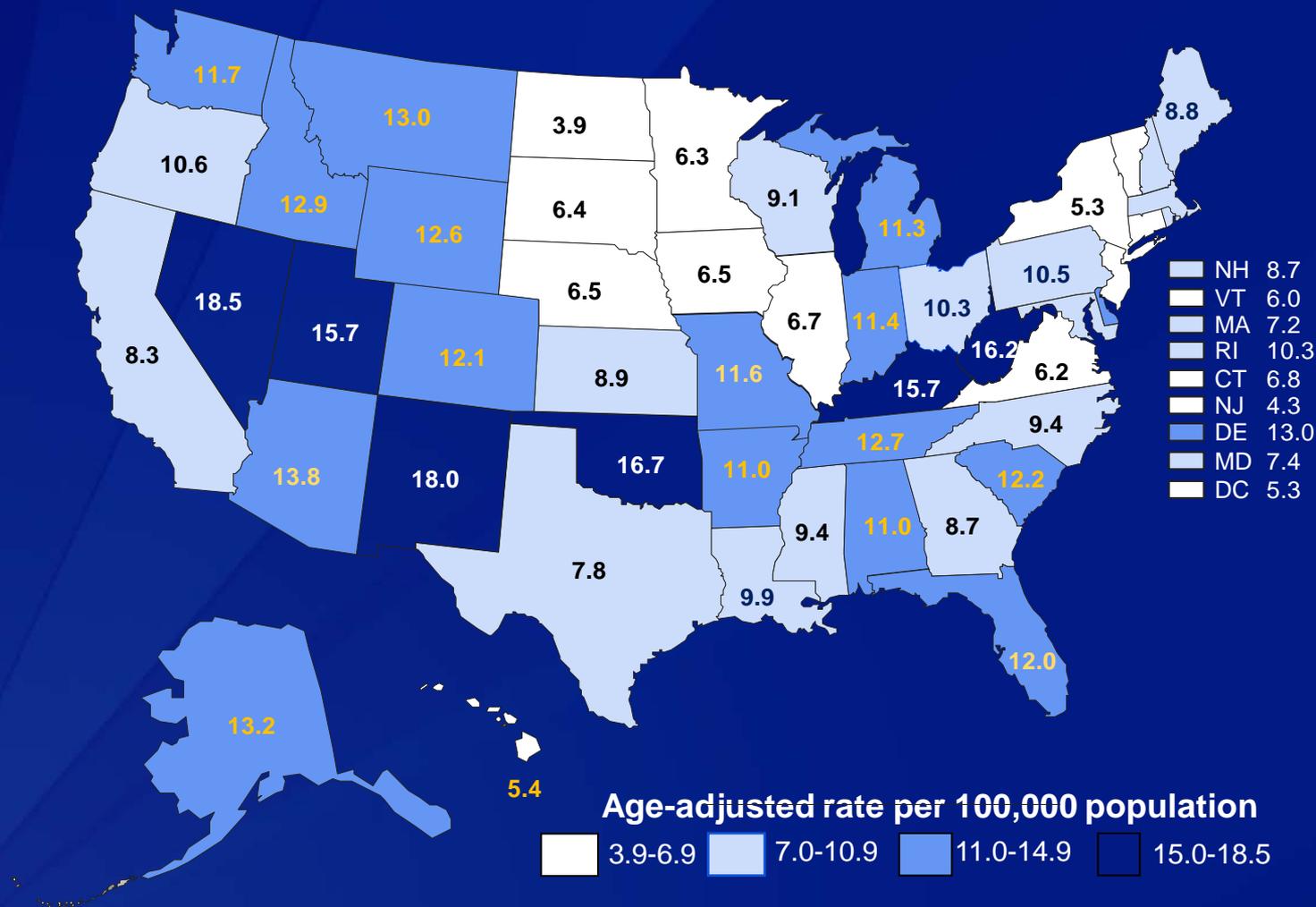
— Antidepressants   
 — Benzodiazepines   
 — Cocaine   
 — Heroin   
 — Opioids

\* Scales differ for deaths and emergency department visits.

## Prescription Painkiller Overdoses Are a Serious Problem Among Women

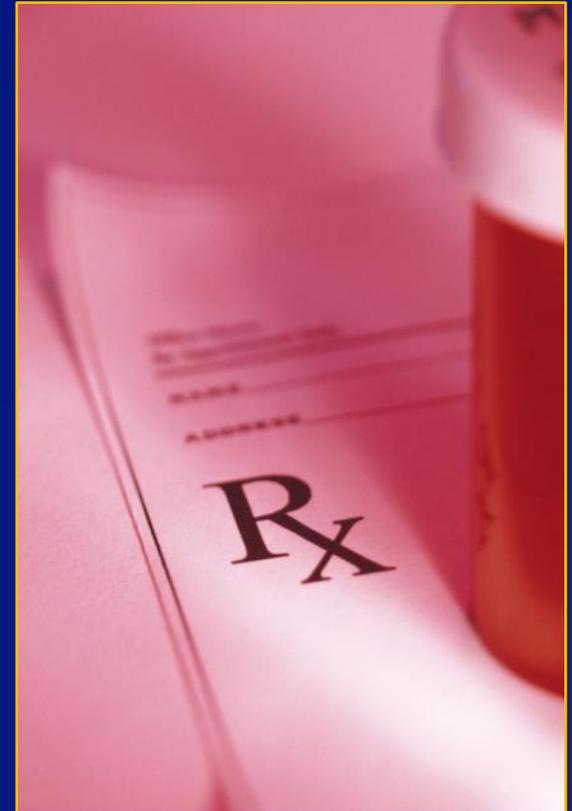
- In 2010 approximately 18 women died every day of a prescription painkiller overdose
- Women ages 45 to 54 are at the highest risk of dying of a prescription painkiller overdose
- Non-Hispanic white and American Indian or Alaska Native women have the highest risk of prescription painkiller overdose death
- For every woman who dies of a prescription painkiller overdose, 30 go to the emergency department for painkiller misuse or abuse

# Female Death Rates of Drug Overdose by State, 2009–2010



## To Reverse this Epidemic, States Can...

- Take steps to improve prescription drug monitoring programs (PDMPs)
- Use PDMP, Medicaid, and workers' compensation data to identify improper prescribing of painkillers
- Consider setting up programs for Medicaid, workers' compensation programs, and state-run health plans that identify and address improper patient use of painkillers



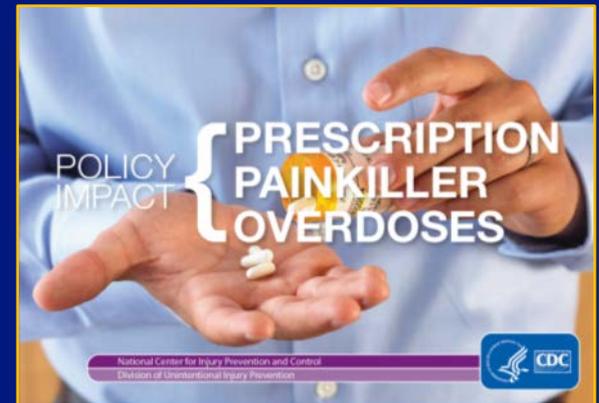
## To Reverse this Epidemic, States Can...

- Consider pill mill, doctor shopping, and other laws that can reduce prescription painkiller abuse
- Increase access to substance abuse treatment, including immediate access to treatment for pregnant women
- Consider steps to reduce barriers to substance abuse treatment for women



## State Resources

- Policy Impact: Prescription Painkiller Overdoses
  - A short issue brief on promising state policies that CDC recommends for prevention of prescription painkiller overdoses



[www.cdc.gov/HomeandRecreationalSafety/rxbrief](http://www.cdc.gov/HomeandRecreationalSafety/rxbrief)

- State legislative strategies governing prescription drug abuse and diversion
  - CDC selected seven types of laws addressing this issue and surveyed the laws of all 50 states and the District of Columbia to see if they had enacted them as of August 31, 2010

[www.cdc.gov/homeandrecreationalafety/Poisoning/laws](http://www.cdc.gov/homeandrecreationalafety/Poisoning/laws)



**For more information please contact Centers for Disease Control and Prevention**

1600 Clifton Road NE, Atlanta, GA 30333

Telephone: 1-800-CDC-INFO (232-4636)/TTY: 1-888-232-6348

E-mail: [cdcinfo@cdc.gov](mailto:cdcinfo@cdc.gov) Web: [www.cdc.gov/injury](http://www.cdc.gov/injury)

*The findings and conclusions in this report are those of the authors and do not necessarily represent the official position of the Centers for Disease Control and Prevention.*





# Use and Abuse of Prescription Drugs by Women in Maine

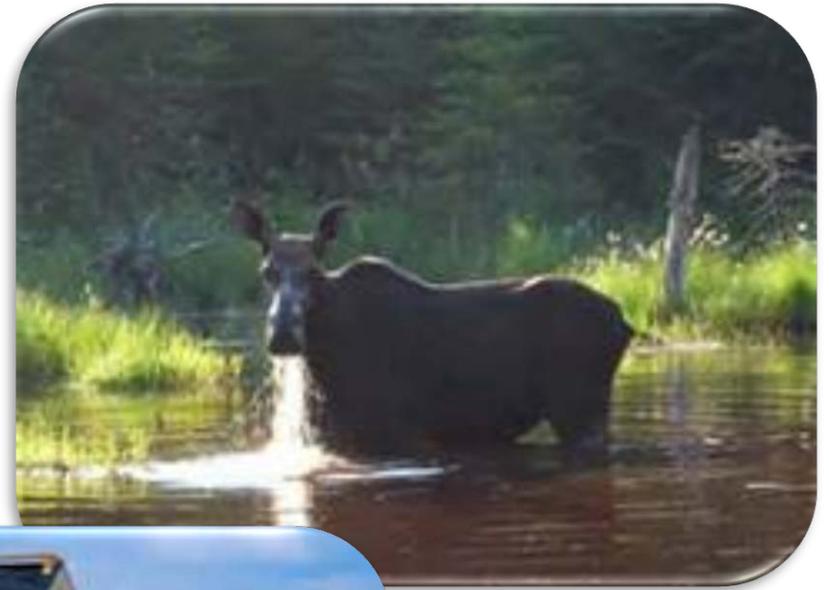
**Anne Rogers, MEd, ABD, CHES**  
**Data and Research Manager**



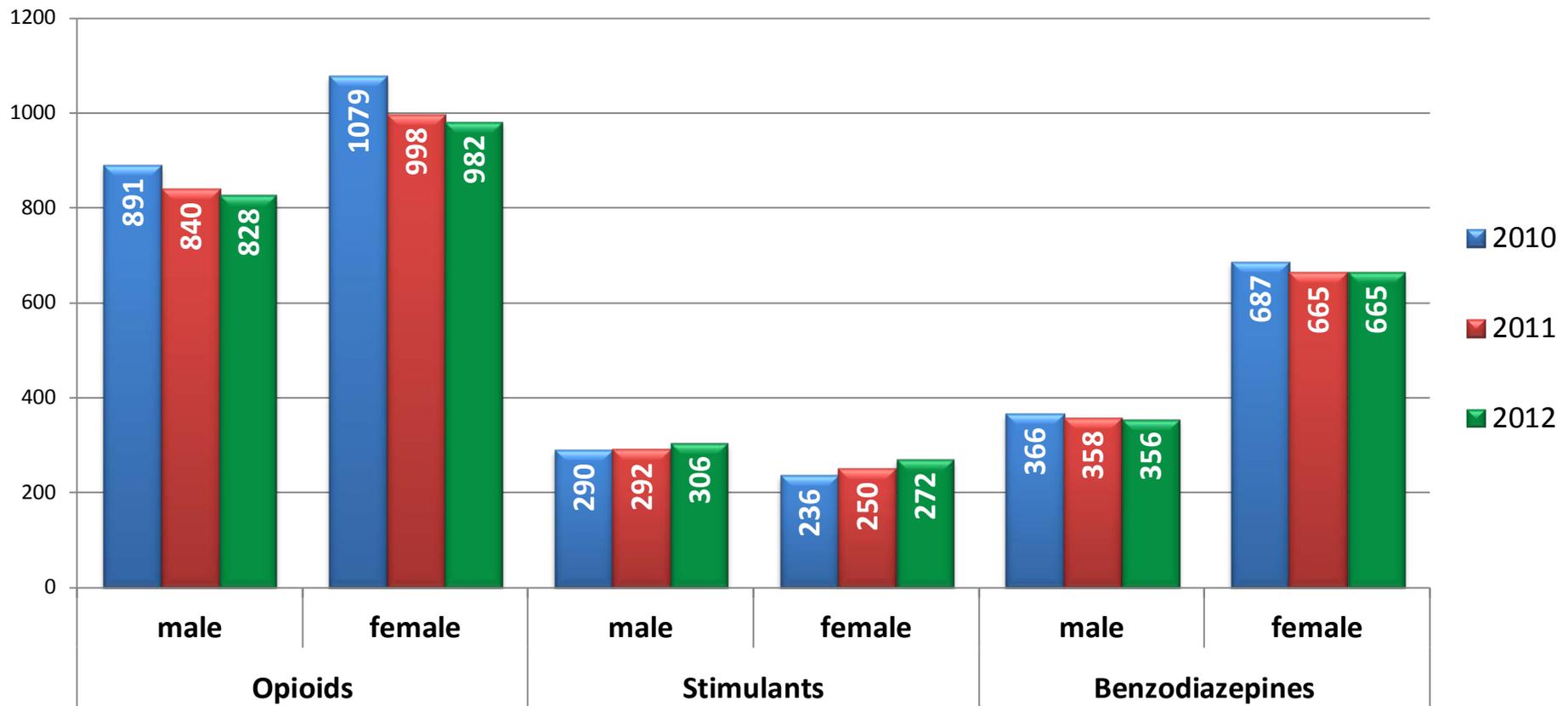
*Substance Abuse  
and Mental Health Services*  
*An Office of the  
Department of Health and Human Services*

*Paul R. LePage, Governor*

*Mary C. Mayhew, Commissioner*



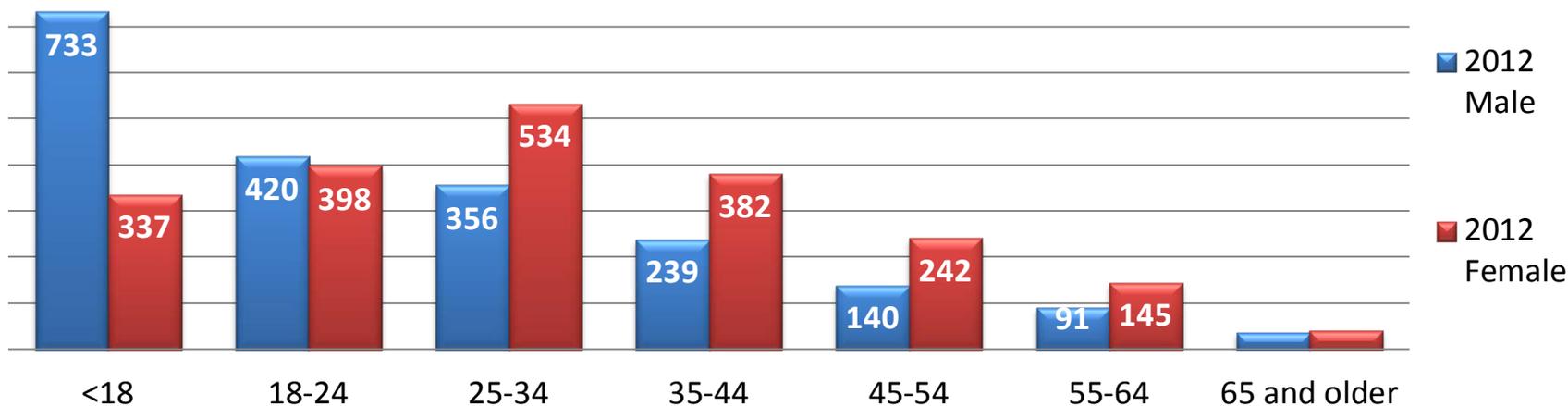
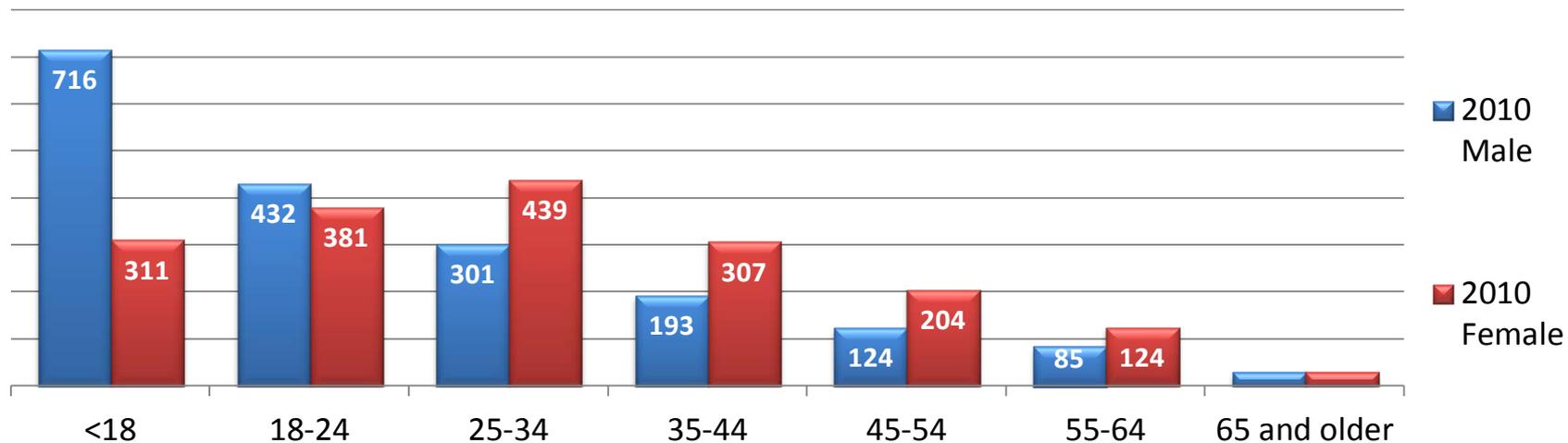
# Prescriptions Filled per 1,000 Maine Residents by Drug by Gender by Year, 2010-2012



Source: Maine Prescription Monitoring Program, Office of Substance Abuse and Mental Health Services.  
Data ran by Brandeis Center of Excellence, June 2013.

# Stimulant Prescriptions Filled

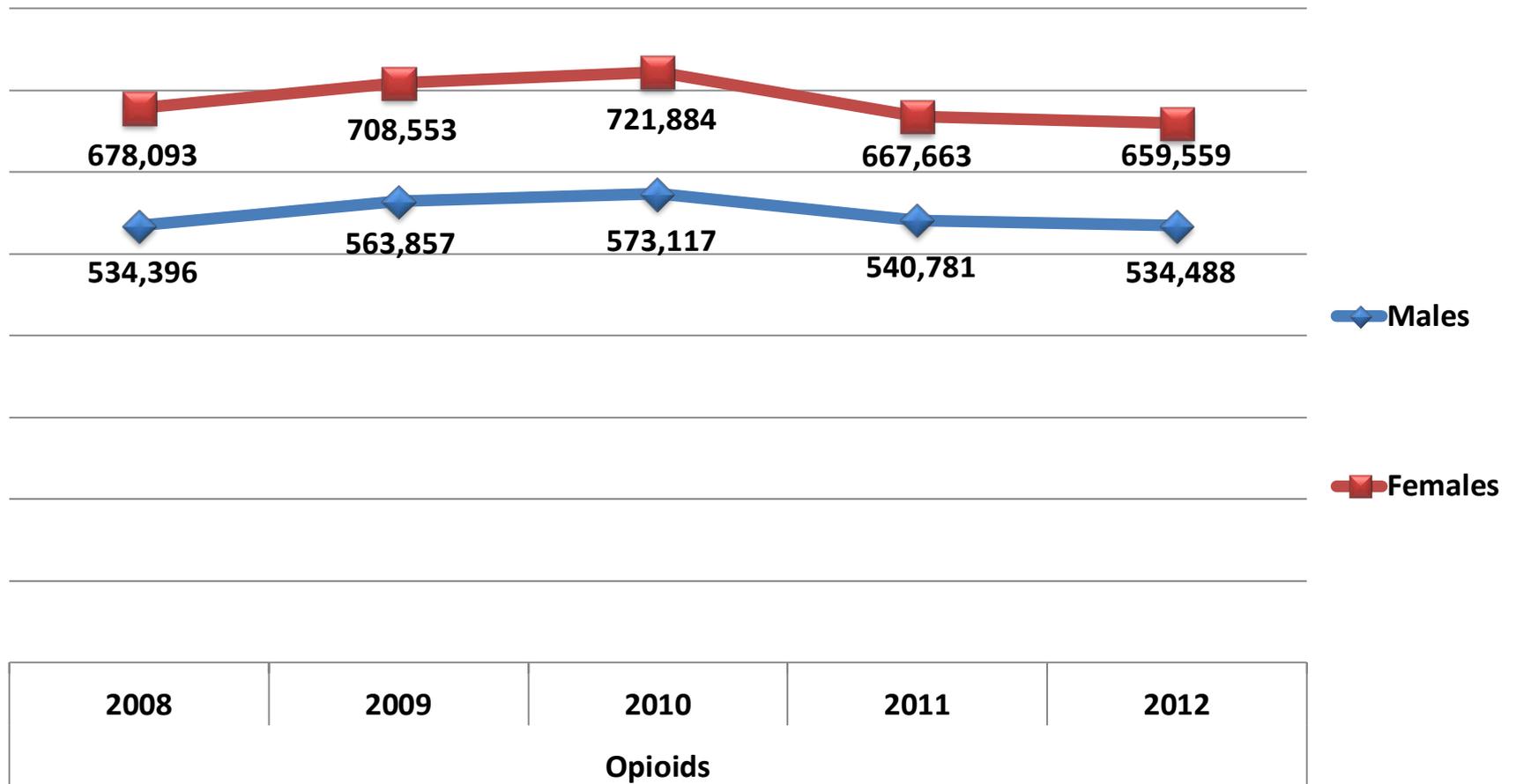
Maine Residents, by gender, by age group, per 1,000



Source: Maine Prescription Monitoring Program, Office of Substance Abuse and Mental Health Services. Data ran by Brandeis Center of Excellence, June 2013.

# Number of Opioid Prescriptions Dispensed

Maine residents 20 and older, by gender, by year

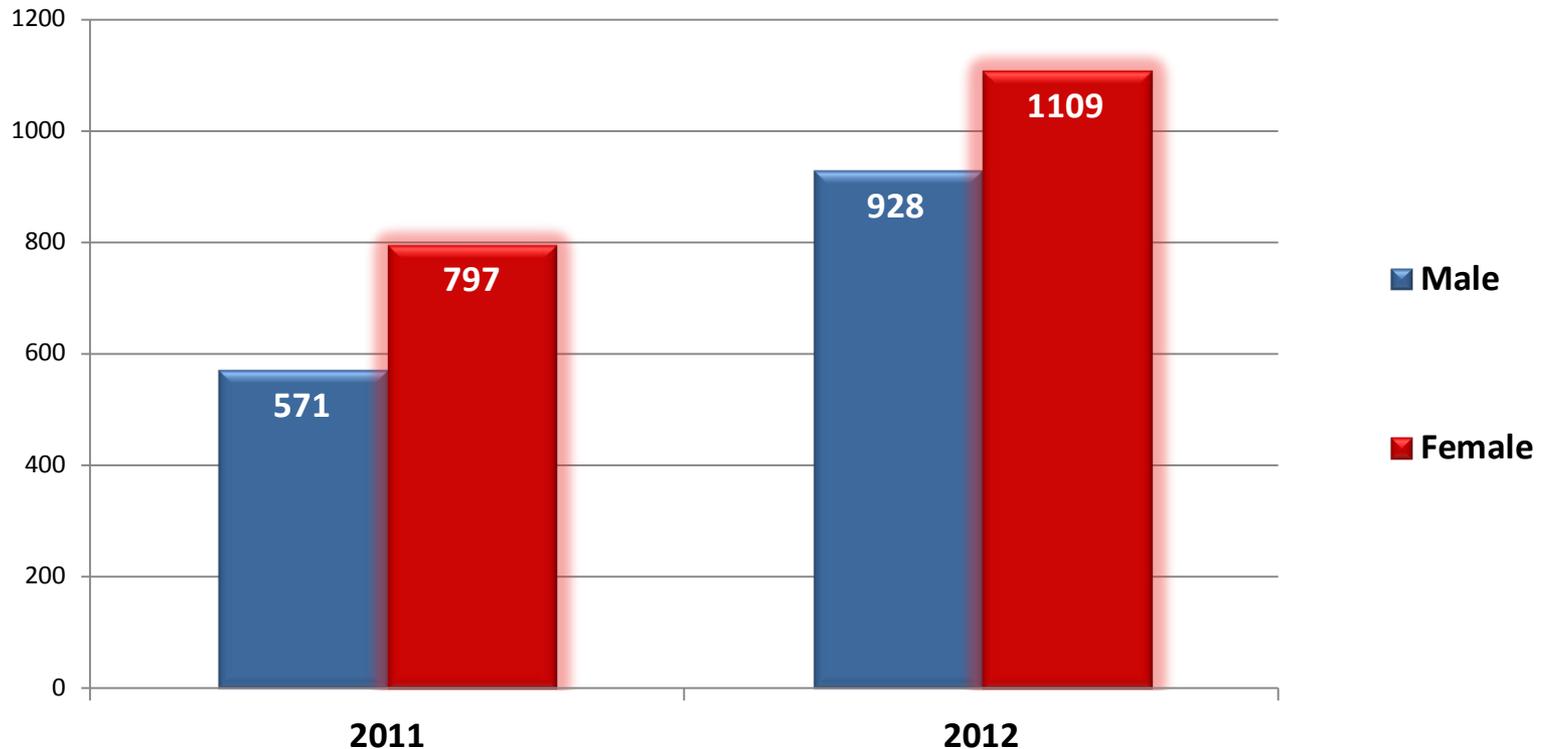


Source: Maine Prescription Monitoring Program, Office of Substance Abuse and Mental Health Services. June 2013.

# Medication Overdoses

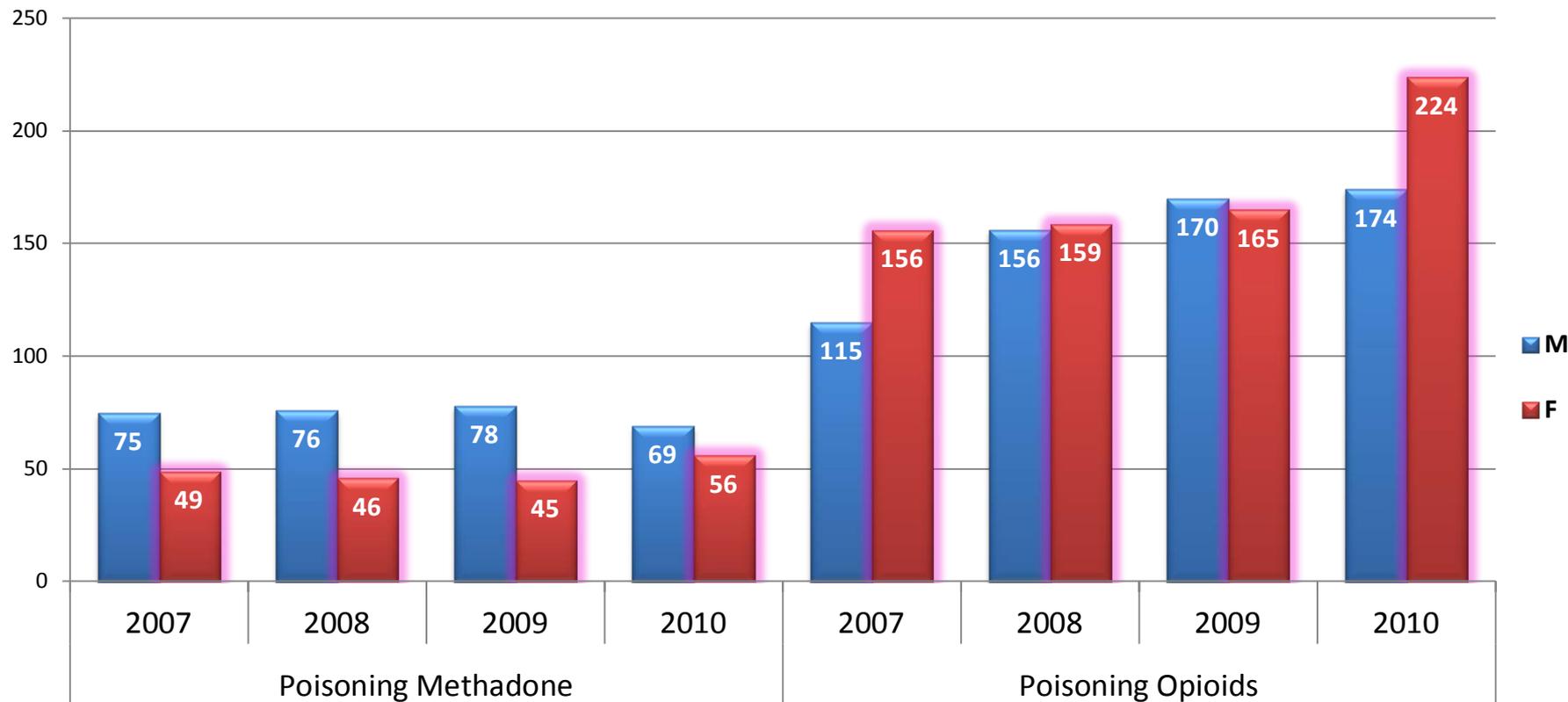
by sex, by year, Maine EMS 2011-2012

Maine EMS Drug/Medication Overdose Response



# Hospital Visits for Opioid Analgesic Poisoning

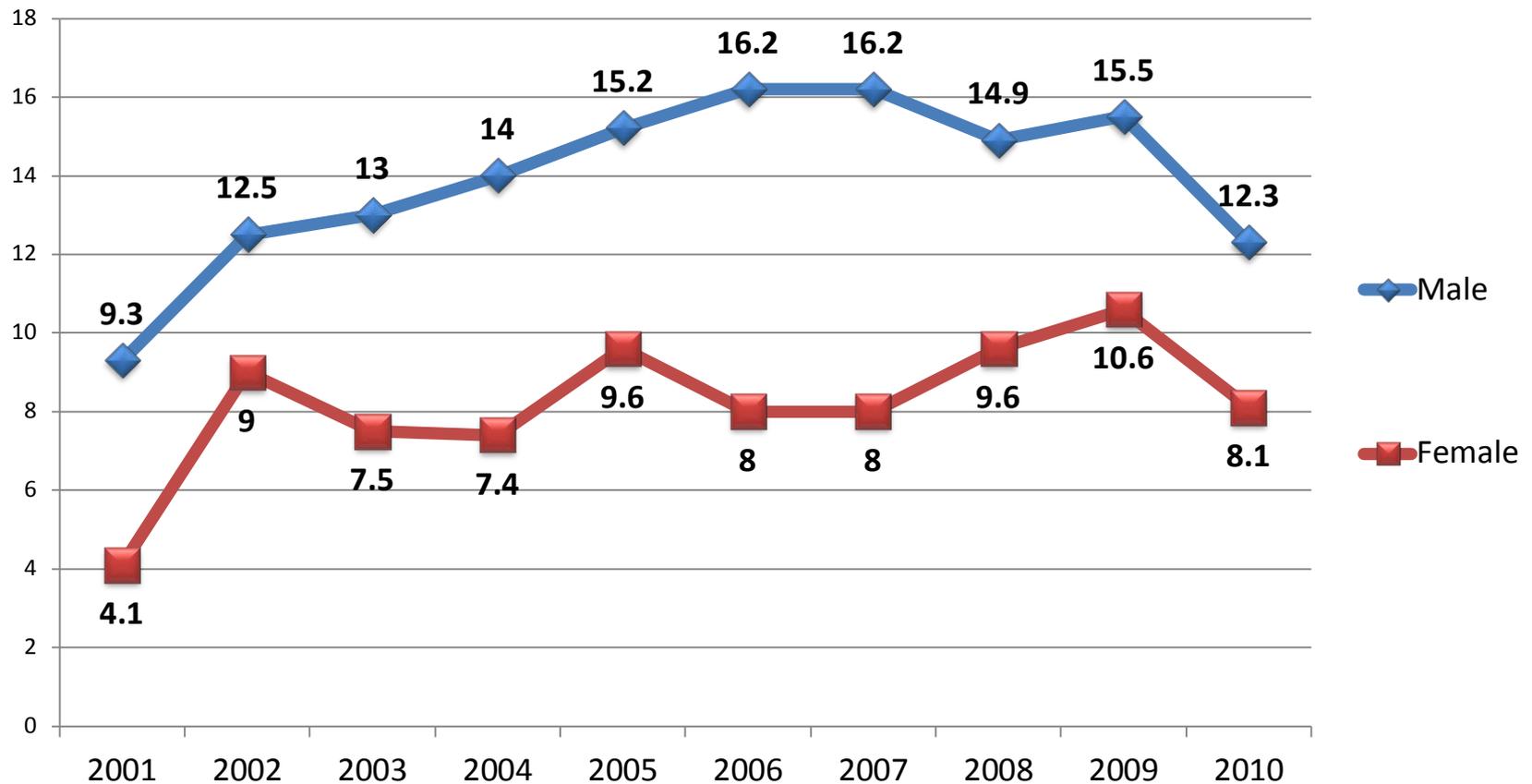
by sex, drug type, and year 2007-2010



Source: Maine Center for Disease Control, Maine Health Data Organization. Combined in-patients and out-patients by discharge diagnosis. ICD-9 96502 and 96509. Calendar Year

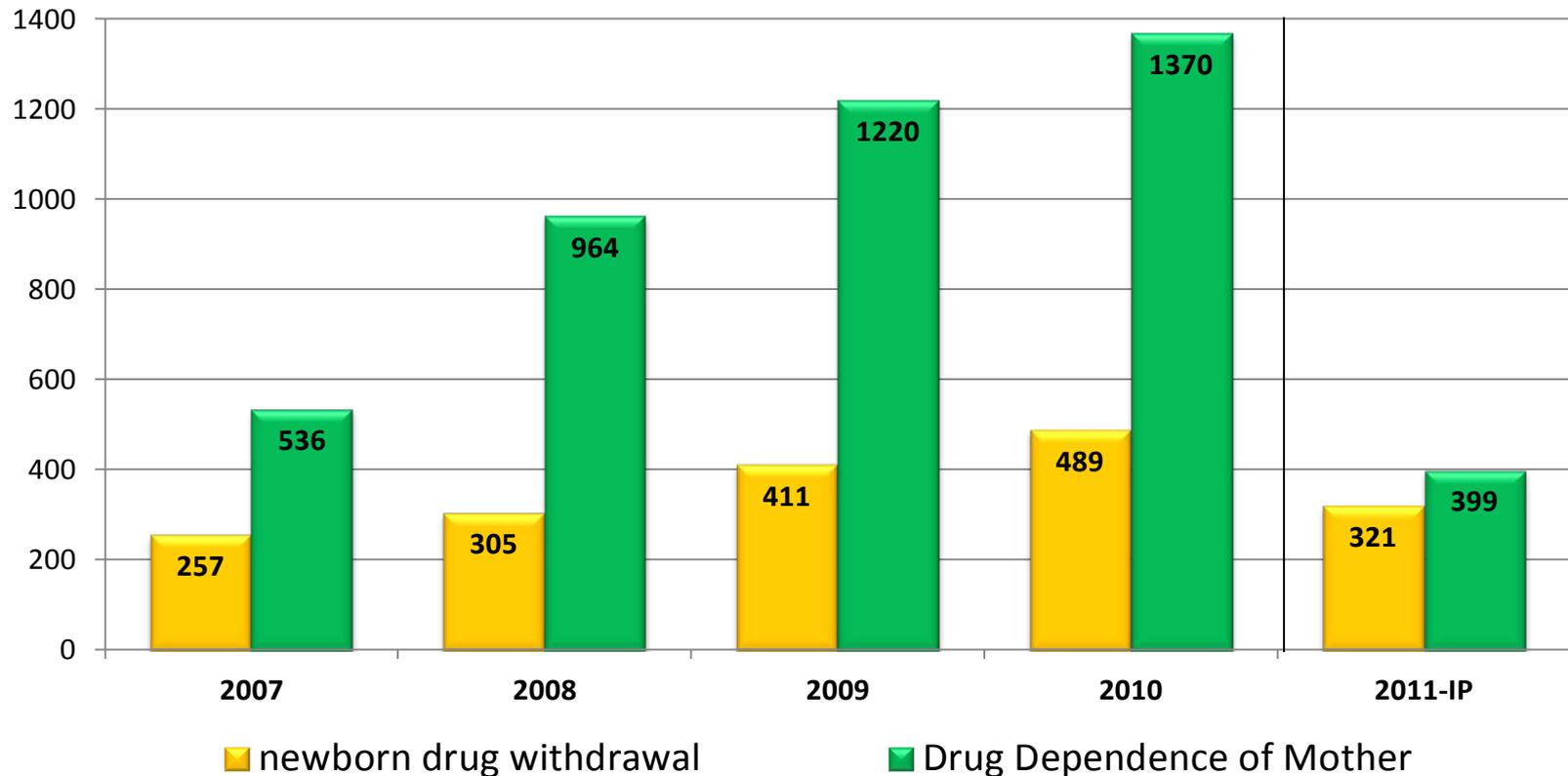
# Drug-related Overdose Deaths

by gender, by year, per 100,000, 2001-2010



Source: Suggested Citation: Centers for Disease Control and Prevention, National Center for Health Statistics. Compressed Mortality File 1999-2010 on CDC WONDER Online Database, released January 2013. Data are compiled from Compressed Mortality File 1999-2010 Series 20 No. 2P, 2013. Accessed at <http://wonder.cdc.gov/cmfi-icd10.html> on Jun 25, 2013 11:37:19 AM

# Number of Hospital/ED Discharges for Newborn Withdrawal Syndrome and Maternal Drug Dependence, Maine, 2007–10

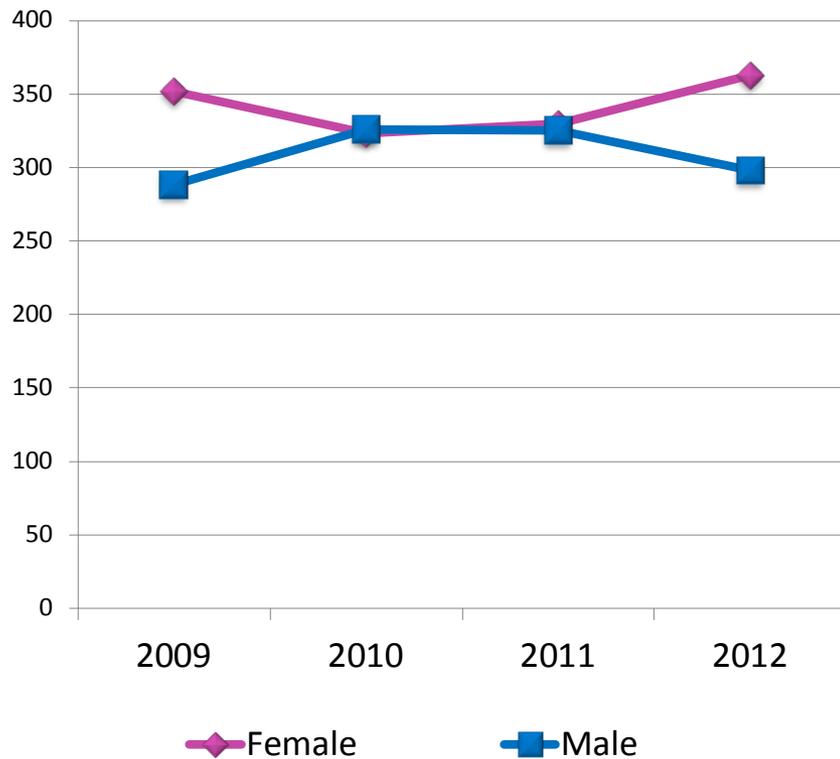


Source: Maine Center for Disease Control, Maine Health Data Organization. Combined in and outpatient by discharge diagnosis. CY2007-2010. CY2011 in-patient (IP) only ICD-9 :7795; 64830-4.

# Substance Abuse Treatment

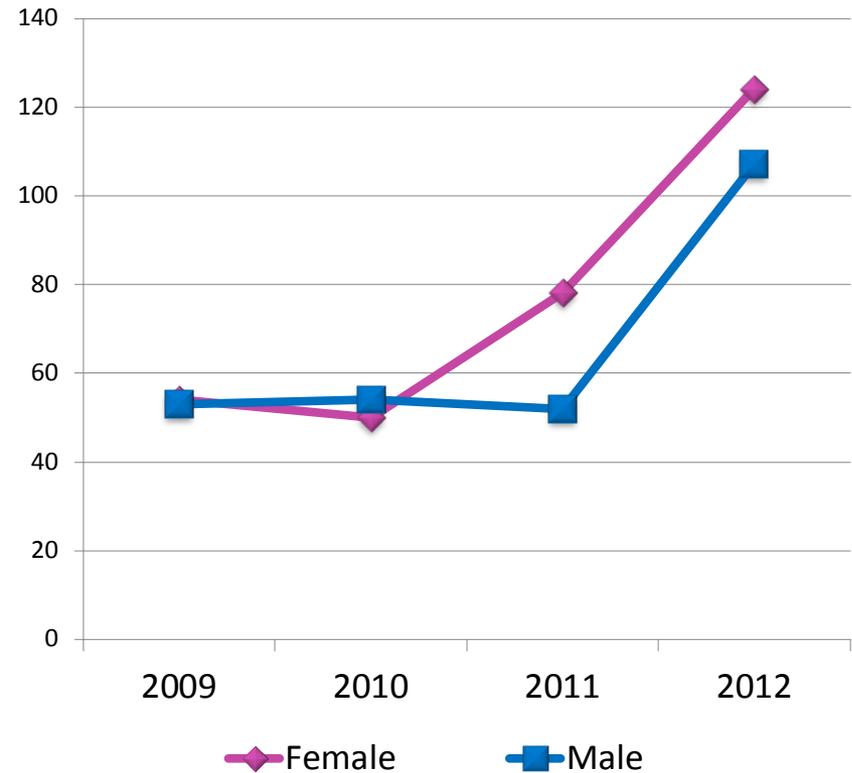
## Benzodiazepine Addiction Tx

By SFY, Gender



## Stimulant Addiction Tx

By SFY, Gender



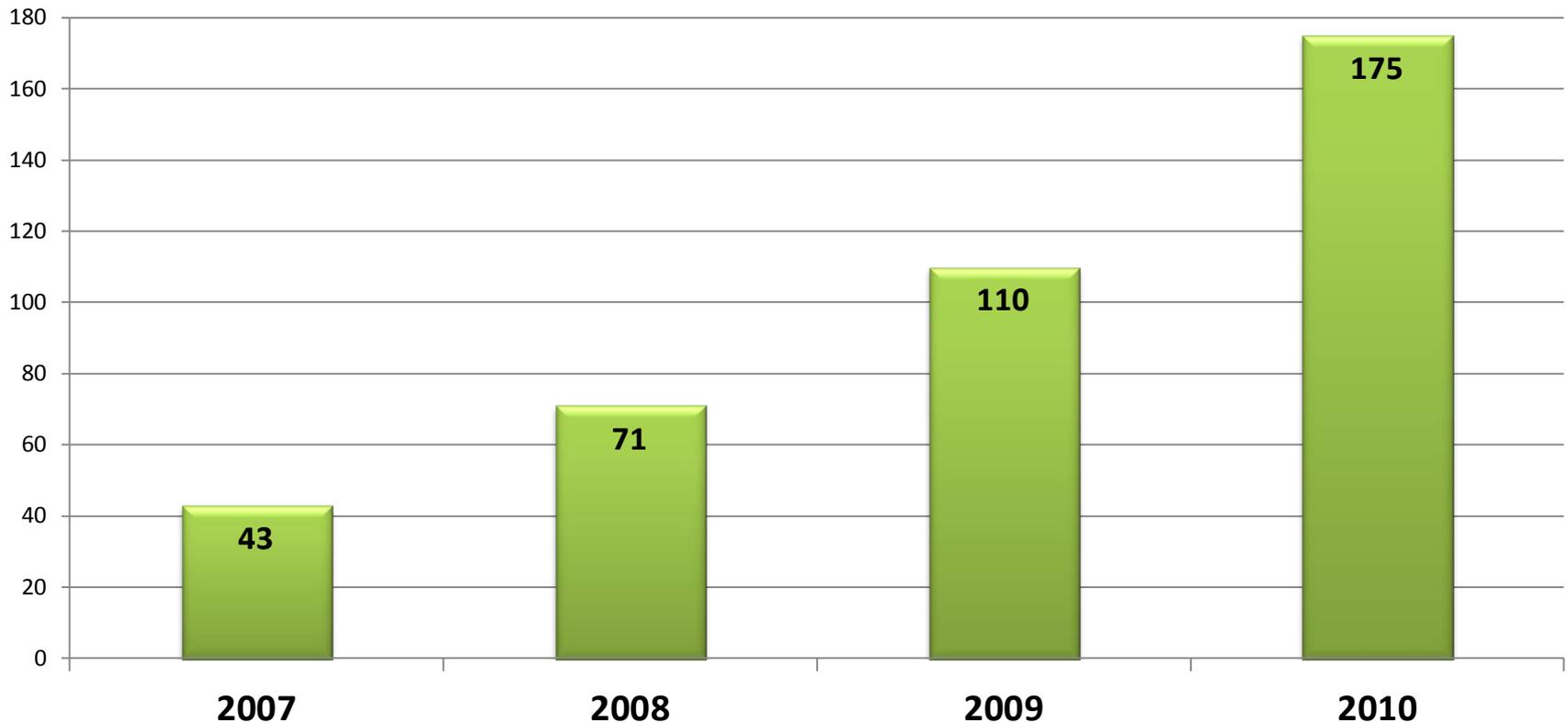
Source: Maine Substance abuse and Mental Health Services, Treatment data System.  
12 months of data per SFY 2009-2012.

# Prescription Drug Abuse: Maine's Efforts

- Working to increase use of Prescription Monitoring Program (PMP)
- Identifying problem areas
- Contract for women's residential treatment services
- Fetal alcohol spectrum disorders and drug addicted babies

# Number of Fetal/Newborns Affected by Narcotics through the Placenta, Maine, 2007–2010

**Narcotics affect fetus or newborn via placenta**



Source: Maine Center for Disease Control, Maine Health Data Organization. Combined IP/OP by discharge diagnosis. CY2007-2010 only. ICD-9:76072.

<http://www.maine.gov/pmp>



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*Substance Abuse  
and Mental Health Services*  
An Office of the  
Department of Health and Human Services

Paul R. LePage, Governor

Mary C. Mayhew, Commissioner

# Gender Differences in Prescription Drug Epidemiology in Florida

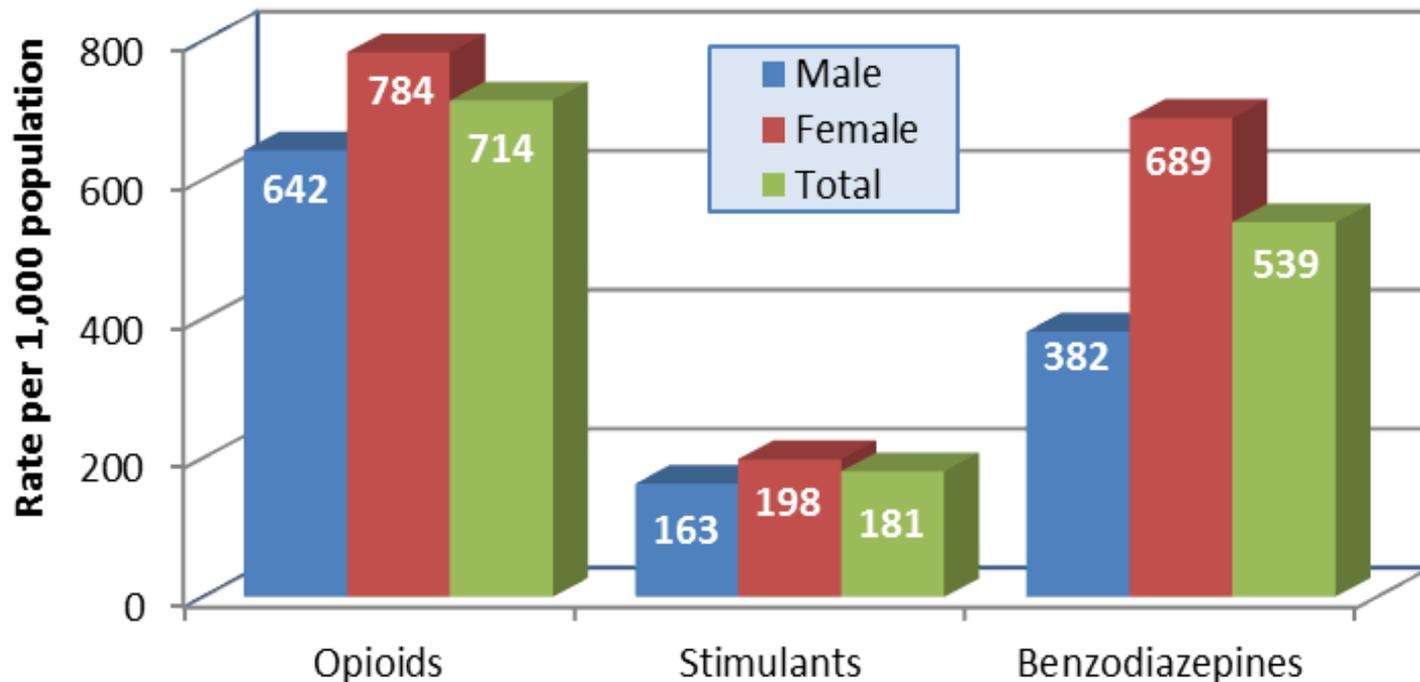


**Hal Johnson, MPH**

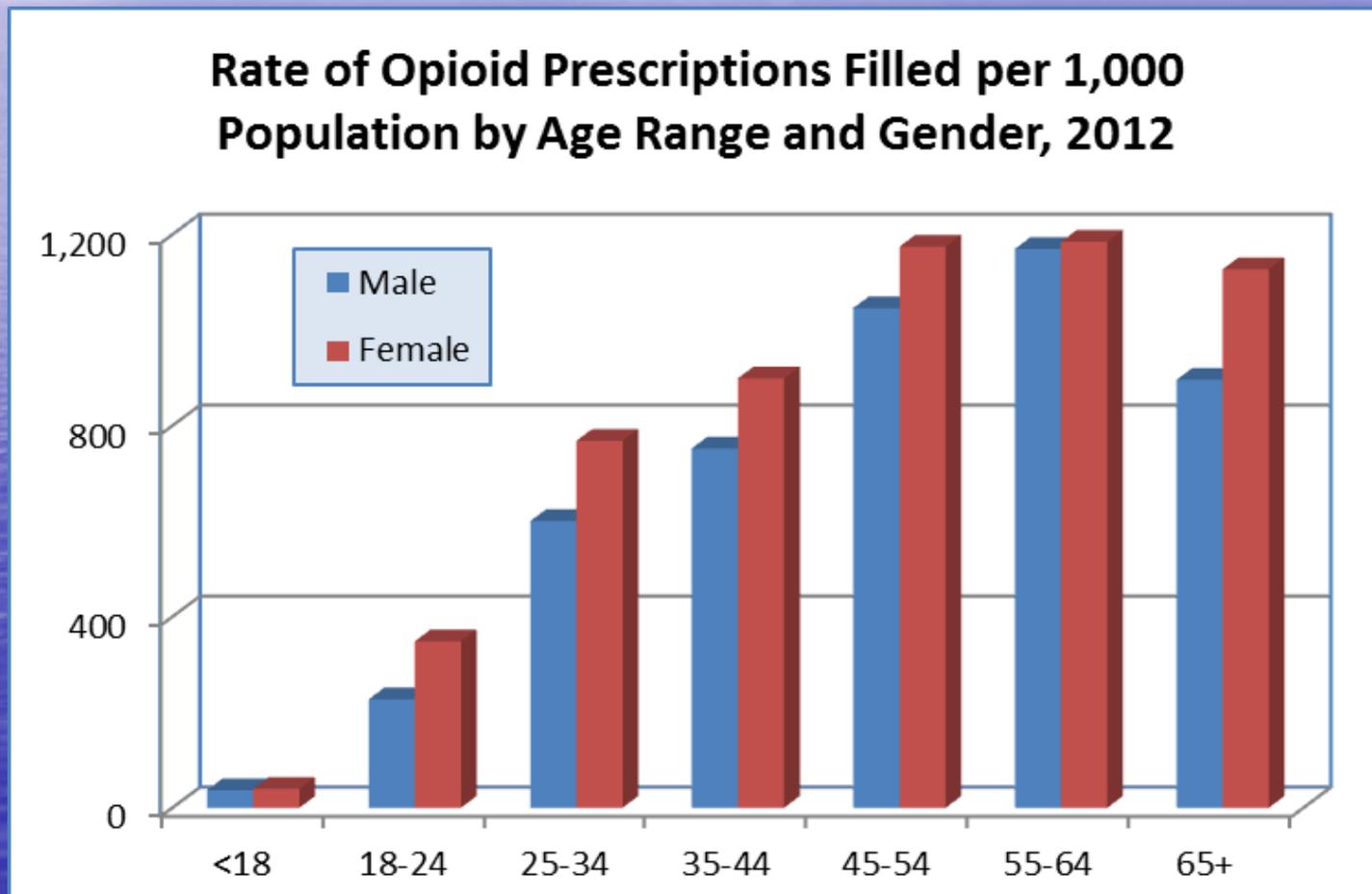
Florida Department of Children  
and Families, Substance Abuse  
and Mental Health Program

# Prescription Drug Monitoring Program Data

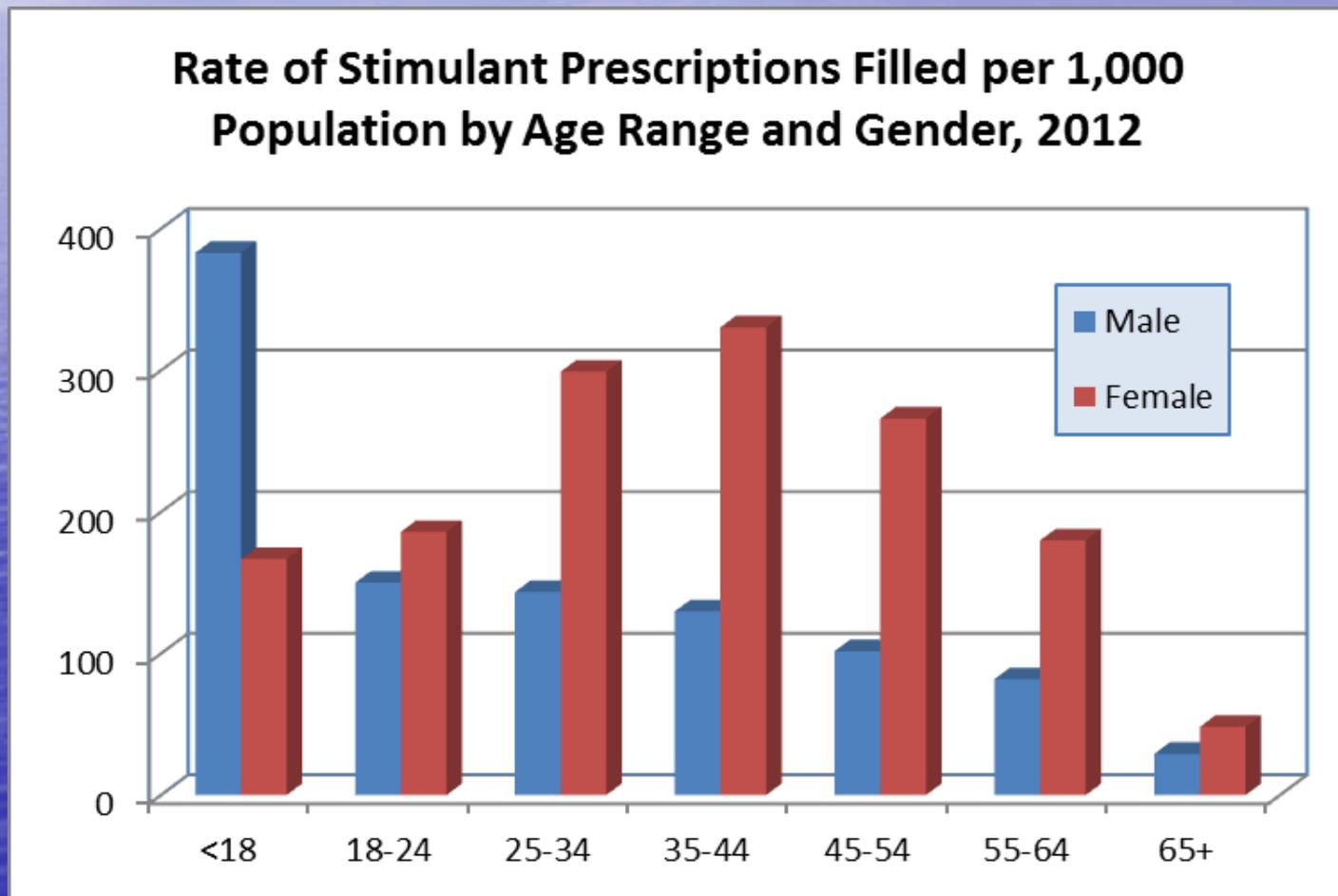
Rate of Prescriptions filled per 1,000 Population by Gender and Drug Class, 2012



# Prescription Drug Monitoring Program Data

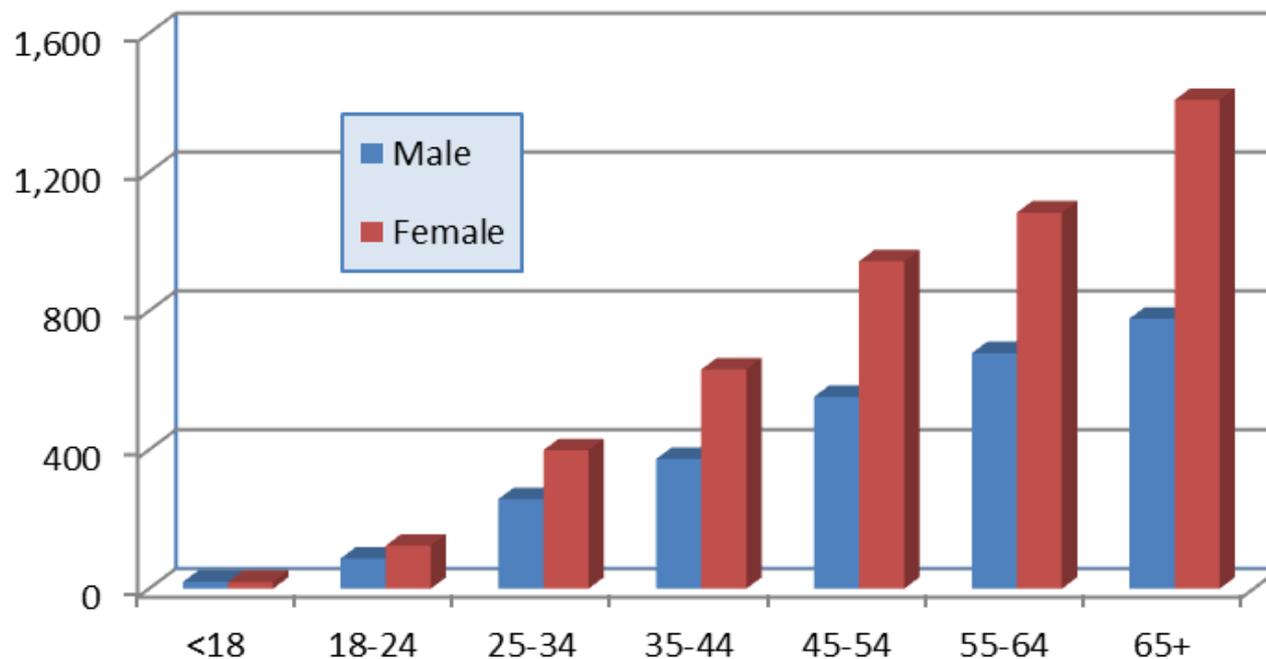


# Prescription Drug Monitoring Program Data

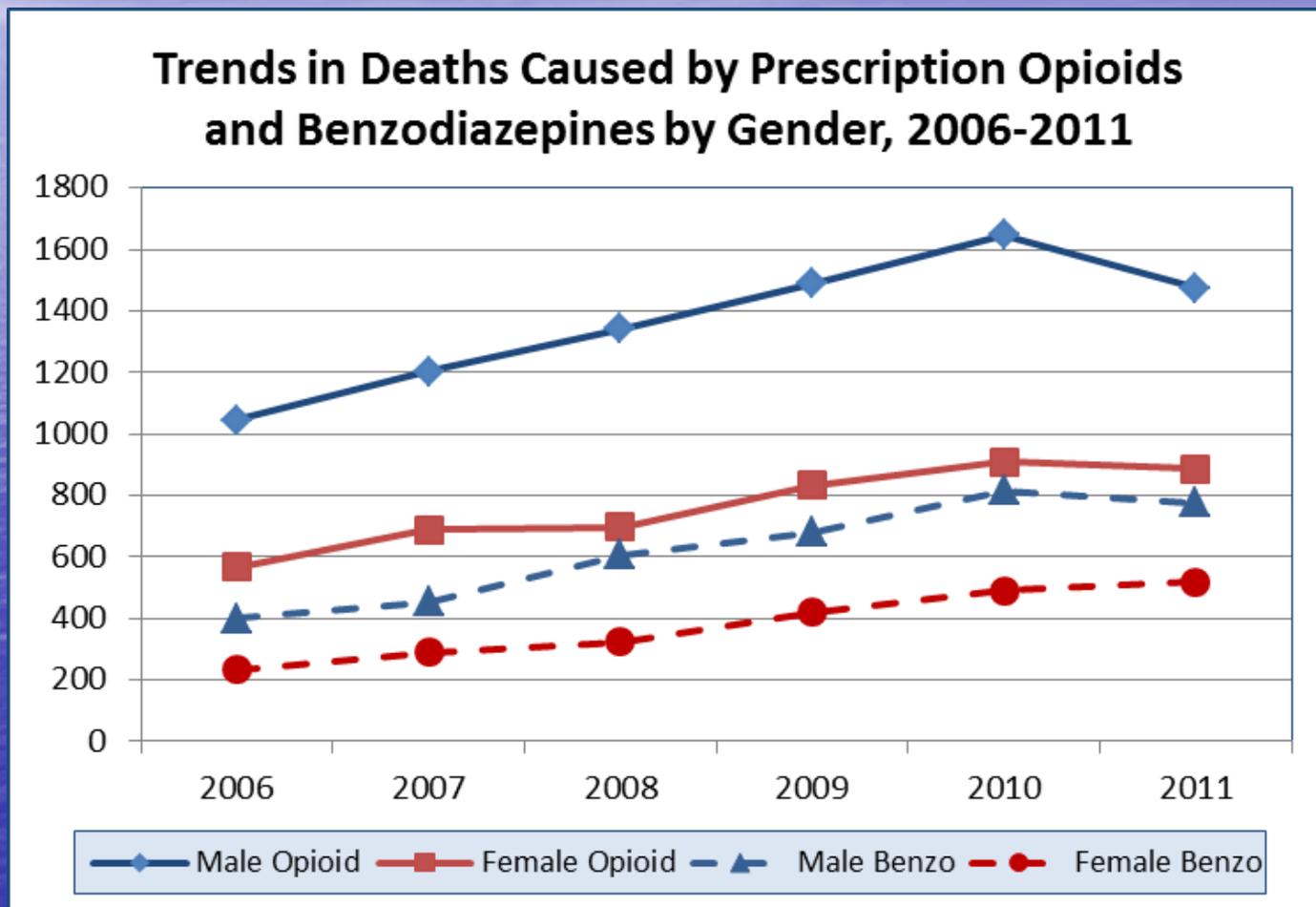


# Prescription Drug Monitoring Program Data

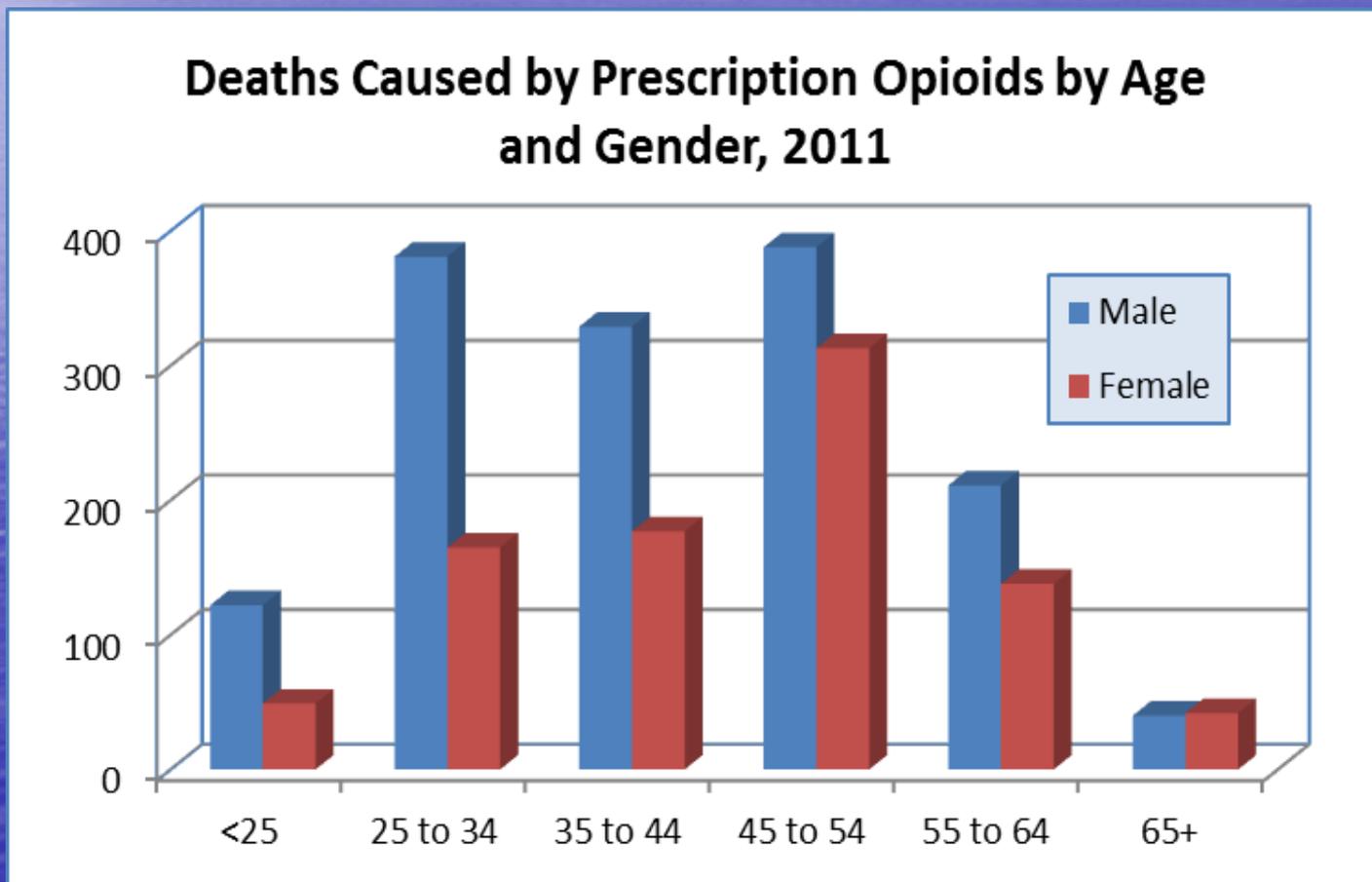
**Rate of Benzodiazepine Prescriptions Filled per 1,000 Population by Age Range and Gender, 2012**



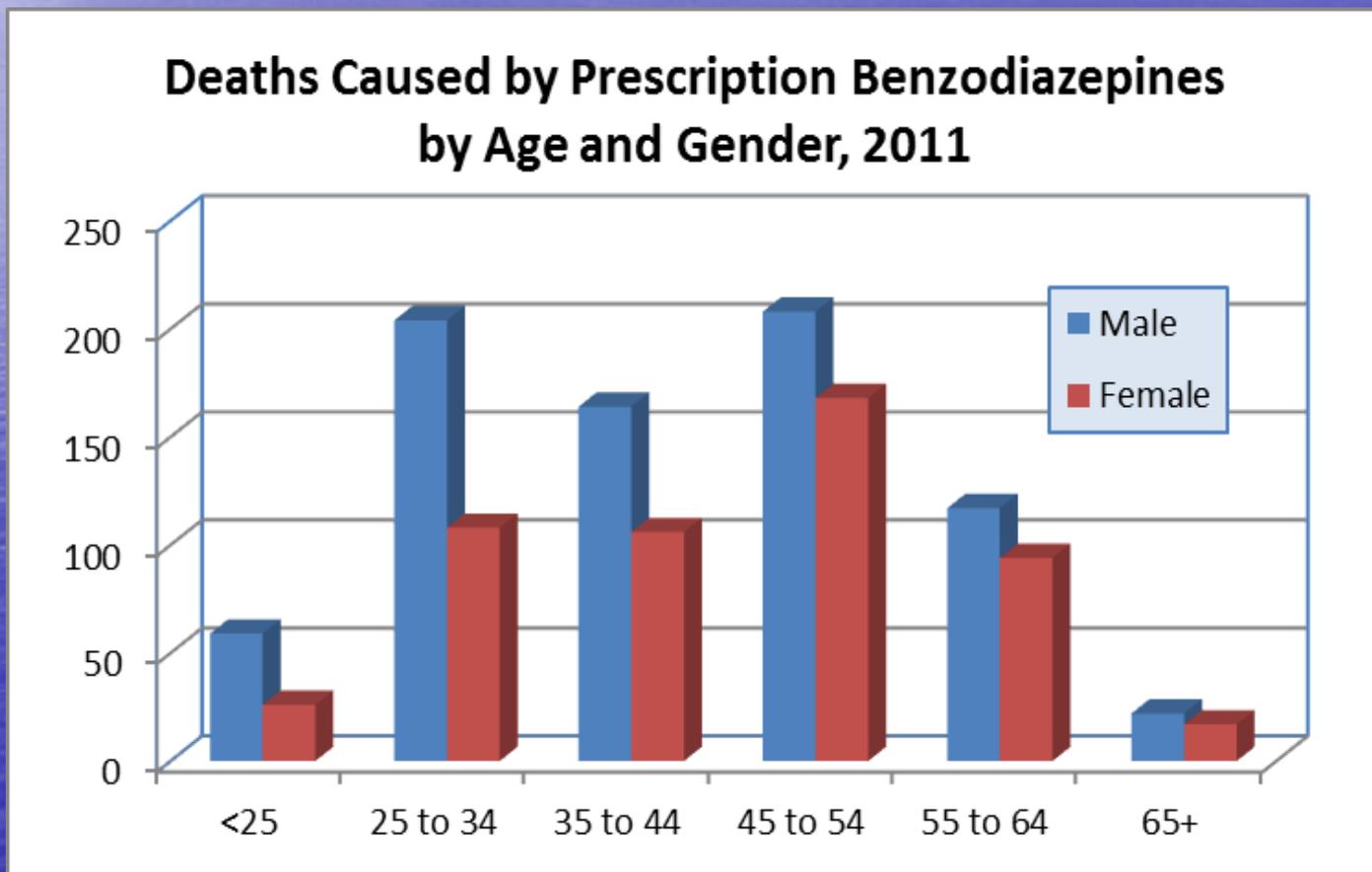
# Medical Examiner Death Data



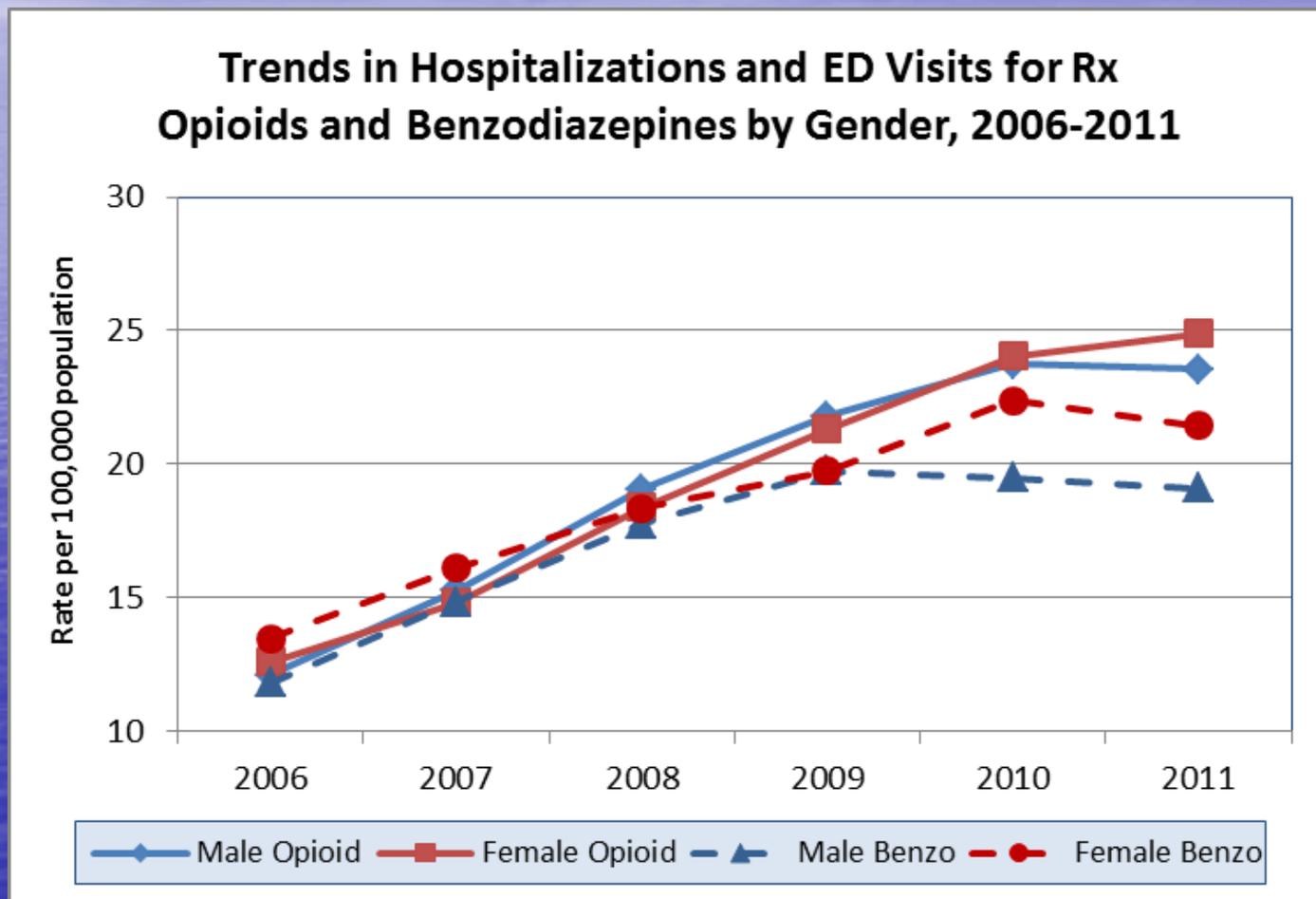
# Medical Examiner Death Data



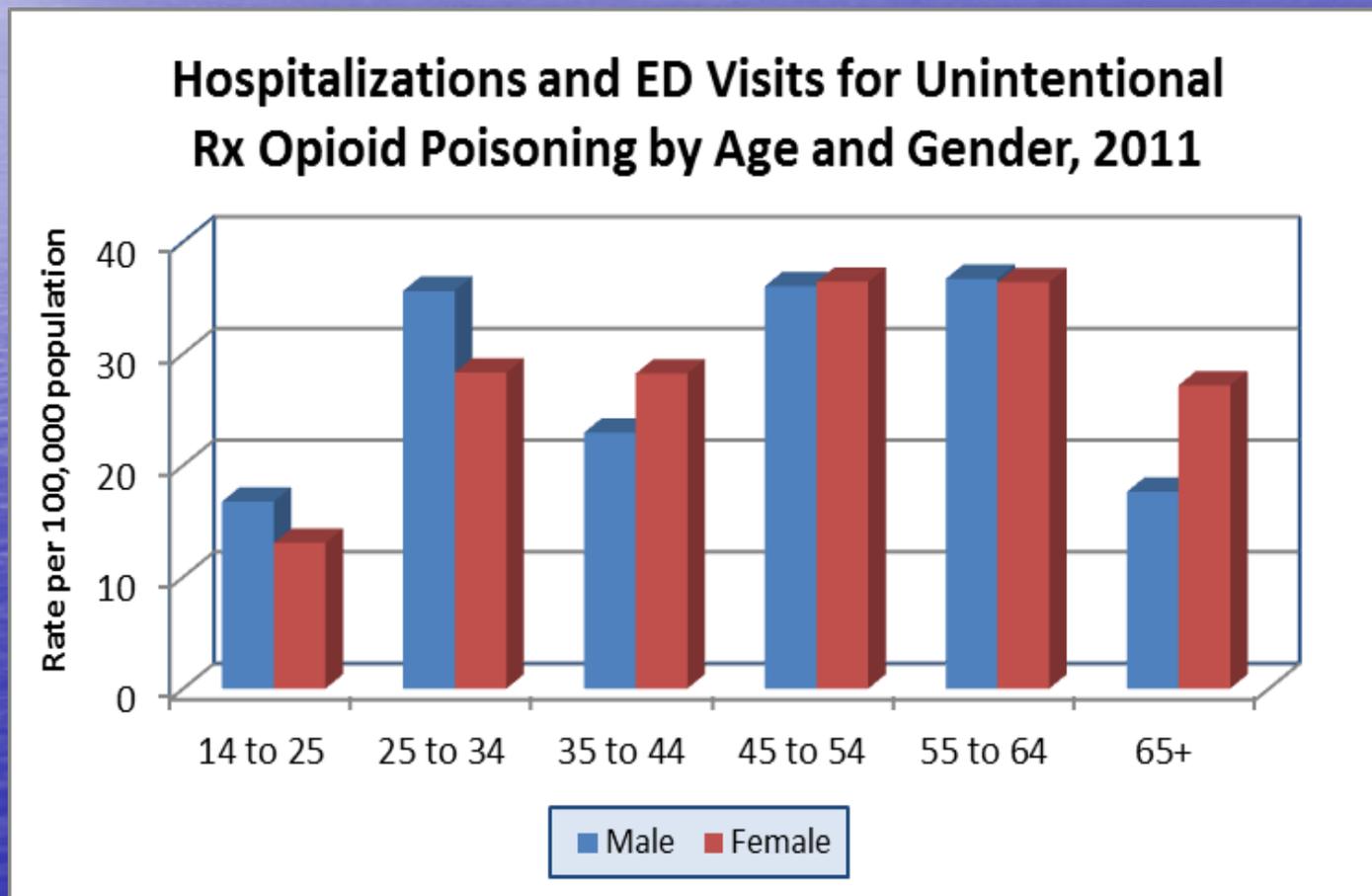
# Medical Examiner Death Data



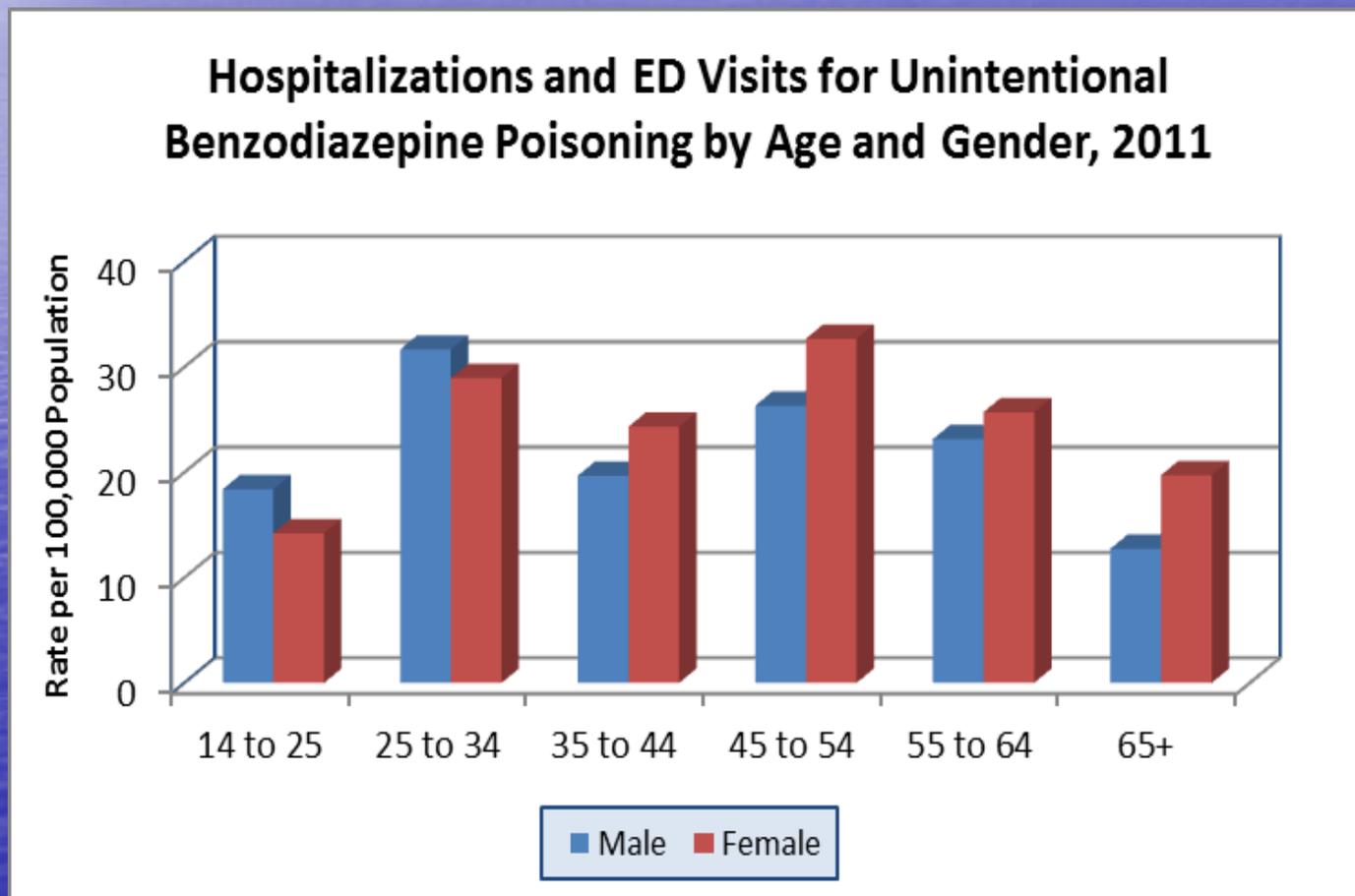
# Hospitalizations and ED Visits for Unintentional Drug Poisoning



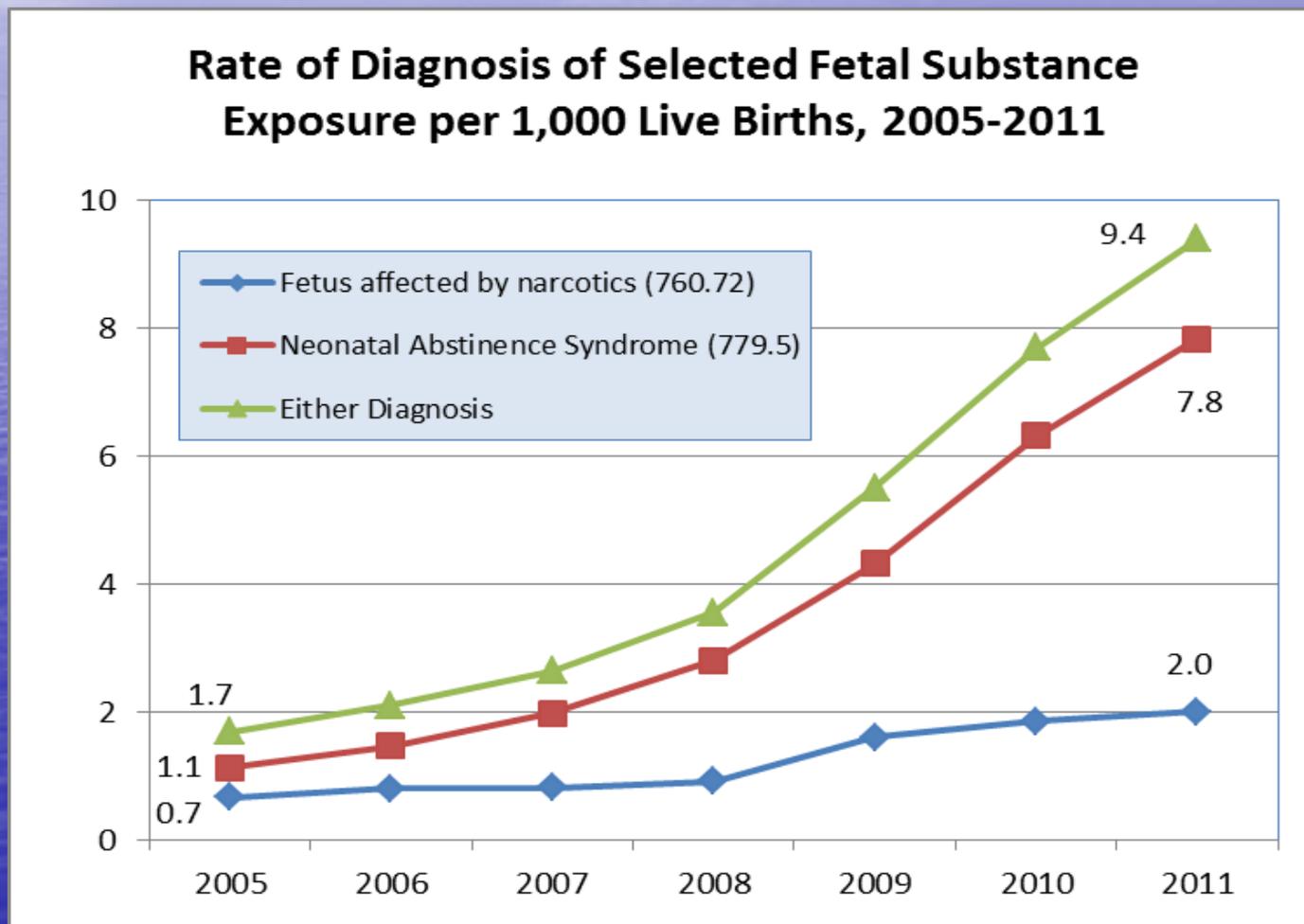
# Hospitalizations and ED Visits for Unintentional Drug Poisoning



# Hospitalizations and ED Visits for Unintentional Drug Poisoning



# Hospitalizations Related to Fetal Substance Exposure per 1,000 Live Births



# Florida Legislative Action

## 2011

- Banned dispensing of Schedule II & III of the Controlled Substance Act by physicians
- Created standard of care for chronic pain management
- Electronic prescribing or counterfeit-proof pads
- Wholesale distributors report on distribution
- Pharmacies distributing Schedule II & III re-permitted
- Created and funded 7 regional drug strike forces
- Added new criminal penalties

## 2012

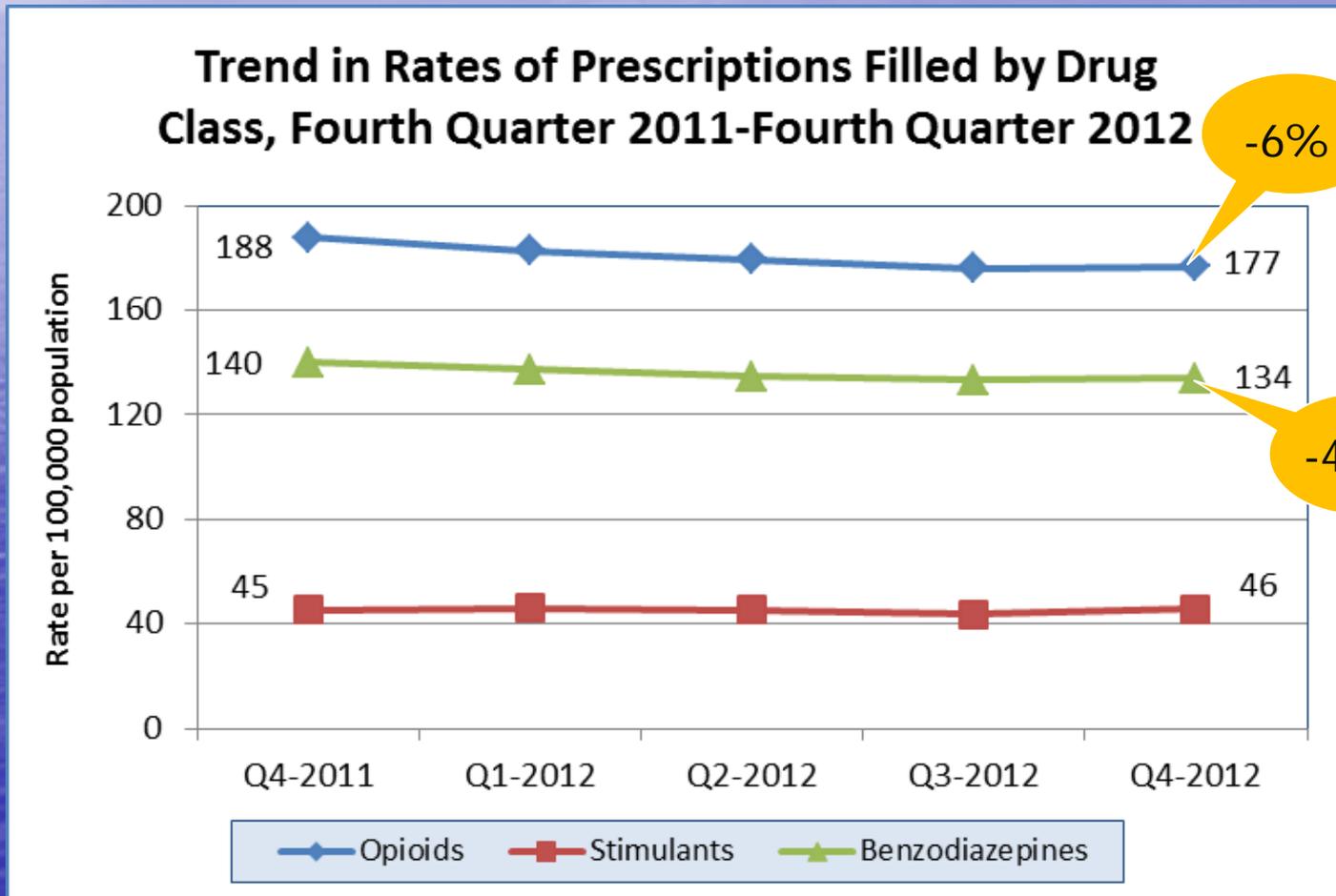
- Statewide task force on Rx abuse and newborns



# Results

- 60% reduction in pain clinics since 2010
- \$9,000,000 in general revenue for substance abuse services to pregnant women
- From March 2011–December 2012
  - 3,742 arrests (including 67 doctors)
  - Seizure of 848,037 pharmaceutical pills
  - Seizure of over \$10,000,000

# A Sign of Progress?





*Thanks to the following for providing the Prescription Behavior Surveillance System data:*

Rebecca Poston, BPharm, Program Manager, E-FORCSE Florida's PDMP

Gail Strickler, PhD, PBSS Project Manager, Schneider Institutes for Health Policy, Brandeis University

Peter Kreiner, PhD, PBSS Principal Investigator, Brandeis University

Hal Johnson, MPH  
hal\_johnson@dcf.state.fl.us

# ***CDC Vital Signs* Electronic Media Resources**

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***Vital Signs* interactive buttons and banners**

**[www.cdc.gov/vitalsigns/SocialMedia.html](http://www.cdc.gov/vitalsigns/SocialMedia.html)**

# Public Health Practice Stories from the Field

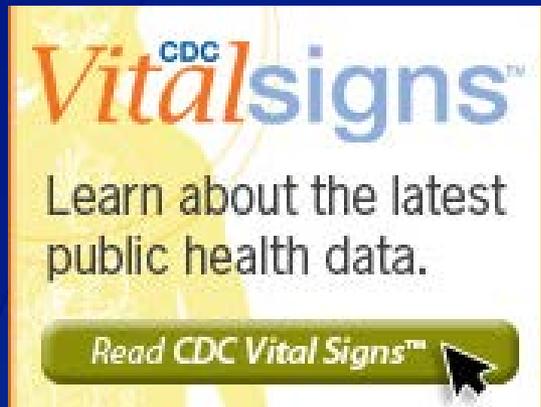
- Stories about the implementation of Public Health Practice Stories from the Field



[www.cdc.gov/stltpublichealth/phpracticestories](http://www.cdc.gov/stltpublichealth/phpracticestories)

Provide feedback on this teleconference:

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Please mark your calendars for the next  
***Vital Signs Town Hall Teleconference***

**August 13, 2013**

**2:00–3:00 pm (EDT)**

**For more information, please contact Centers for Disease Control and Prevention.**

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