



# Opioid Use Disorder Treatment in Pregnancy

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Substance Use Disorder in Pregnancy Treatment Program

Boston Medical Center

# Opioid Use Disorder Statistics in US 2013

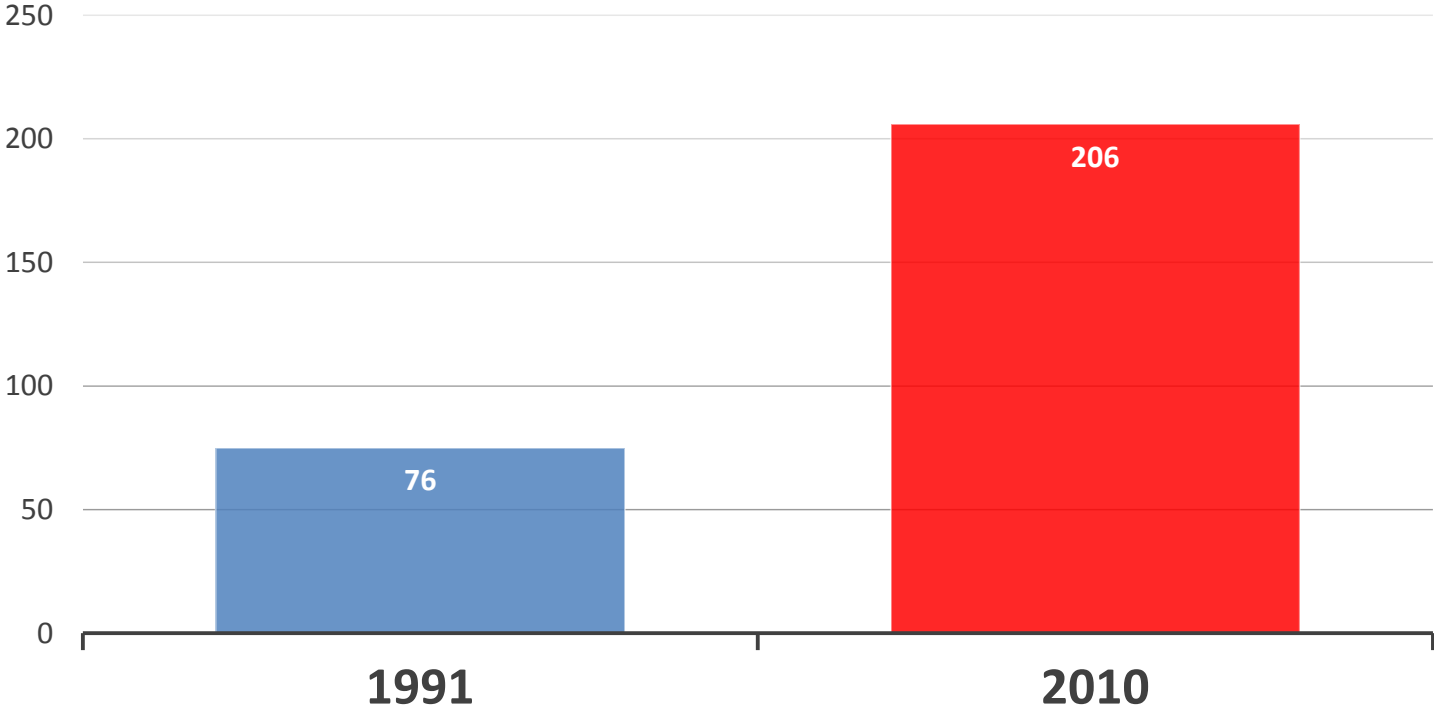
## Heroin : most prevalent

- **5 million** Americans aged 12 years or older reported using opioids in the prior month (NSDUH 2013)
  - **4.5 million** reported non-medical use of prescription opioids
  - **2 million** Americans addicted to prescription opioids (WHO 2013)
  - **300,000** reported heroin use
- **47%** of these new users were women of childbearing age



# Drug Availability: Prescription Opioid Statistics in US

Number of Opioid Prescriptions (in millions)  
1991, 2010



# Substance Abuse and Mental Health Services Administration 2011 report

## Boston

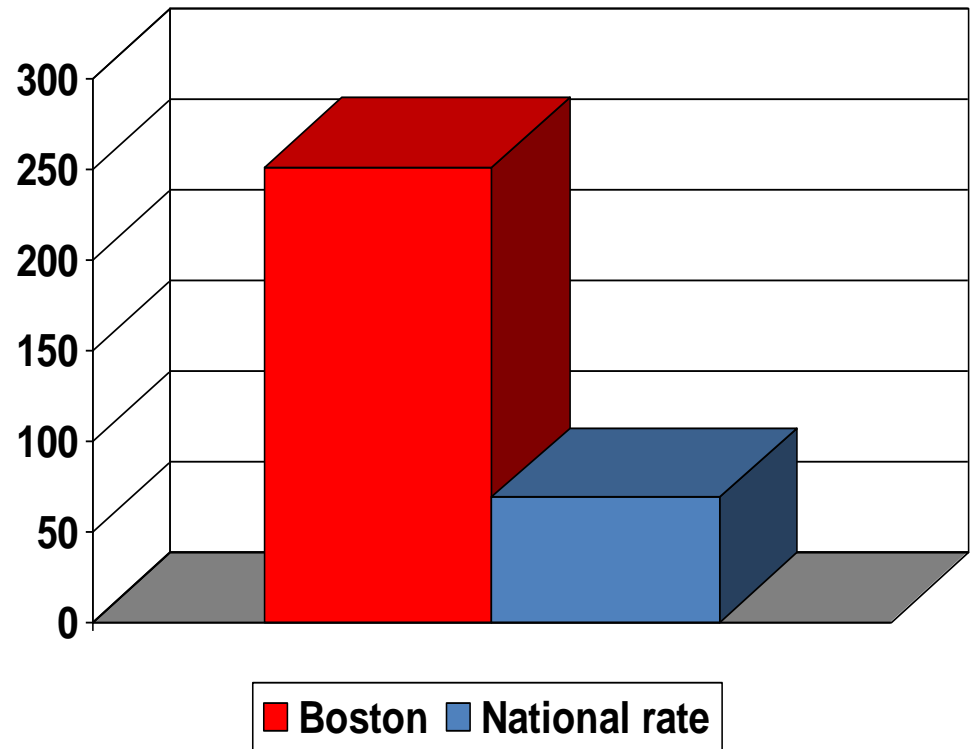
emergency room visits  
involving illicit drugs (per  
100,000)

- **Boston**                      **571**
- New York                      555
- Chicago                        507



# Substance Abuse and Mental Health Services Administration 2011 report

- Boston ranked first in ER treatment for heroin overdoses
- 4 times the national rate



The Boston region includes Suffolk, Middlesex, Norfolk, Plymouth and Essex counties plus two New Hampshire counties

# Deaths in Massachusetts

- *More than 2 people die from opioid overdoses every day in Massachusetts*



# Heroin Overdose

- Illicit drug overdose is the leading cause of death ages 25-49
- Over 80% of heroin users inject with a partner



# Treatment Works

## Addiction Treatment

Opioid maintenance therapy reduces opioid-related mortality by 70%



## Overdose Prevention

Since 2007, MA Narcan Program reversed over 3,200 overdoses

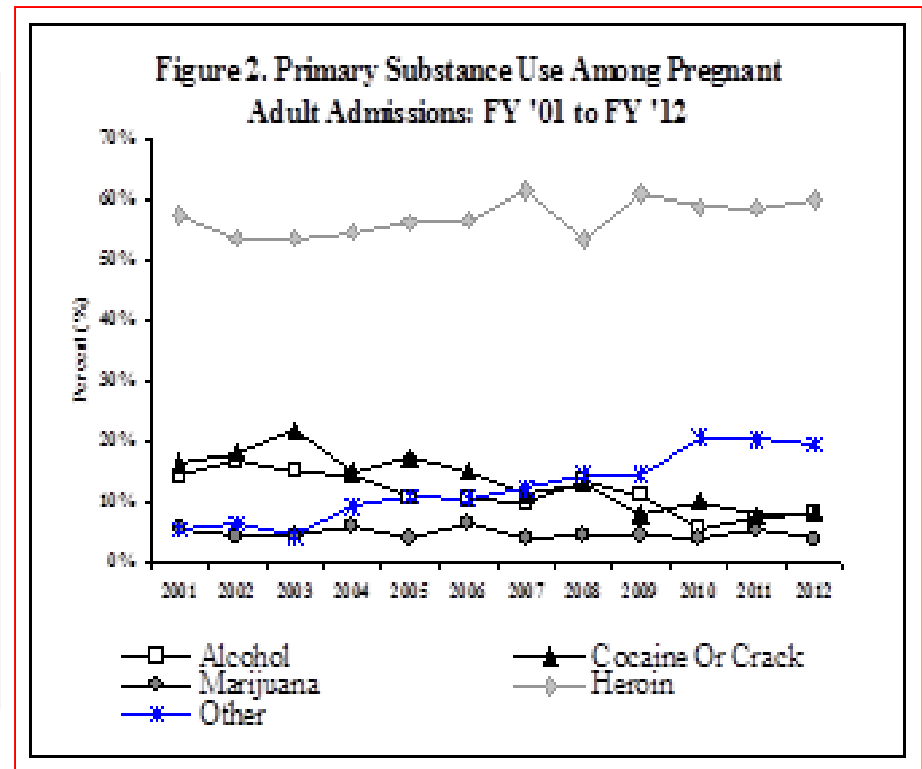
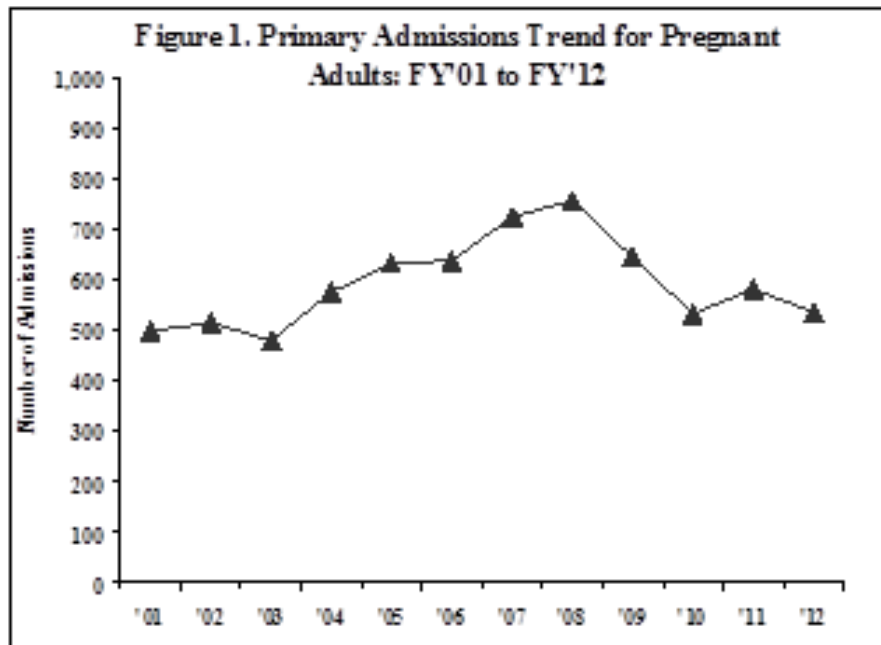




# *Bureau of Substance Abuse Services*

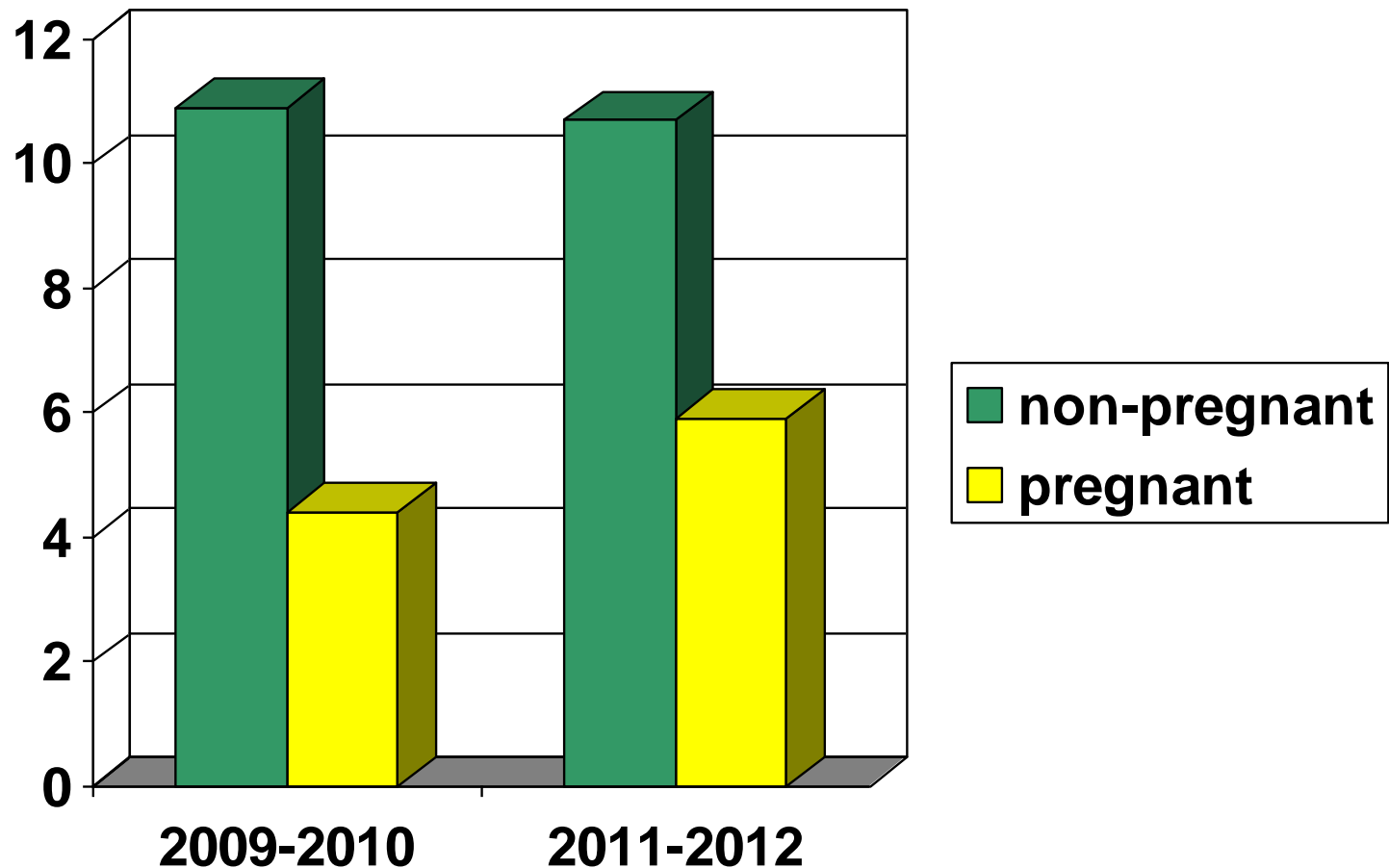
## Substance Abuse Treatment Annual Report - FY 2012

### PREGNANT WOMEN ADMISSIONS

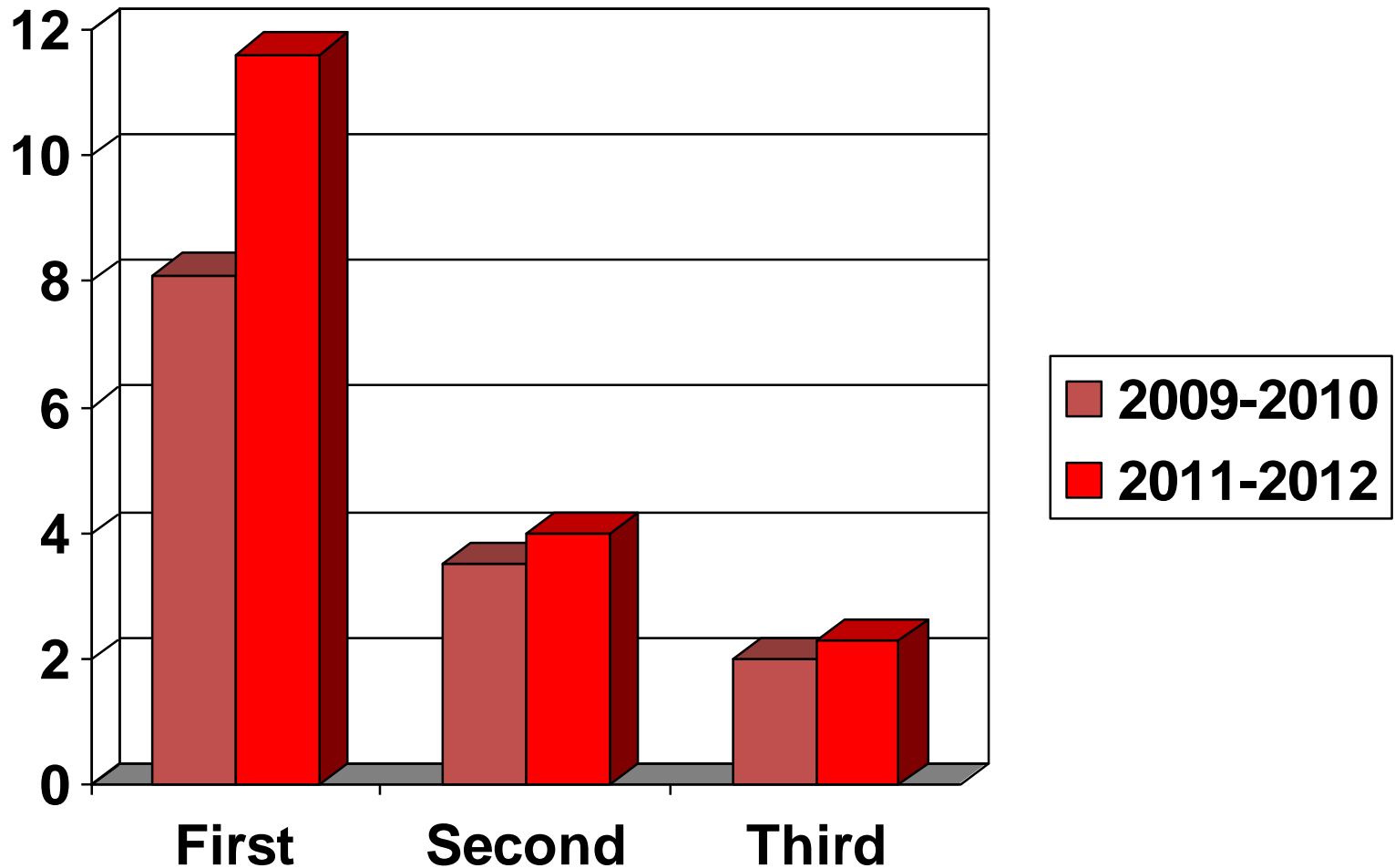


Illicit Drug Use in the Past Month among Females Aged 15 to 44, by Pregnancy and Demographic Characteristics:  
Percentages, Annual Averages Based on 2009-2010 and 2011-

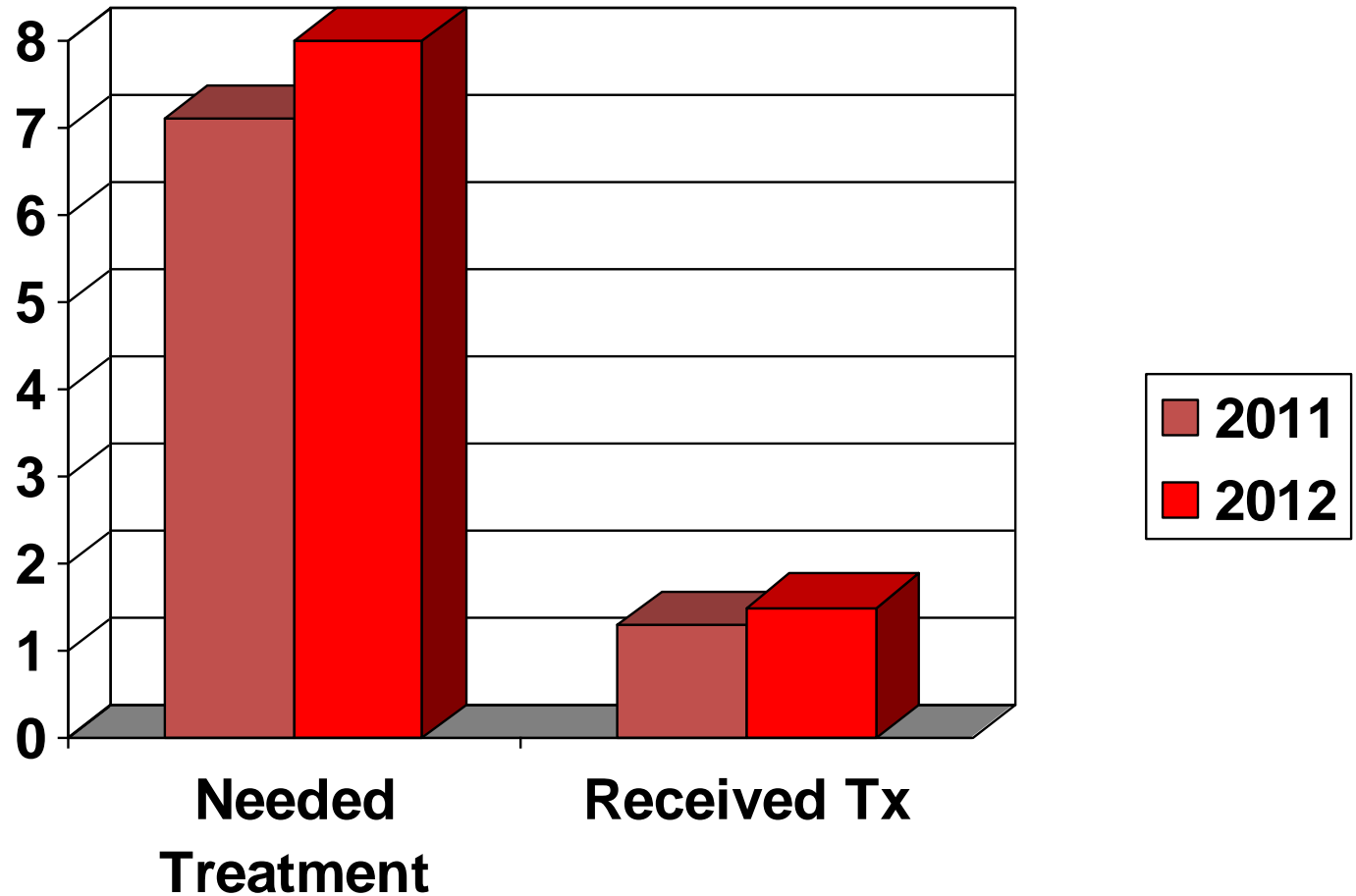
2012



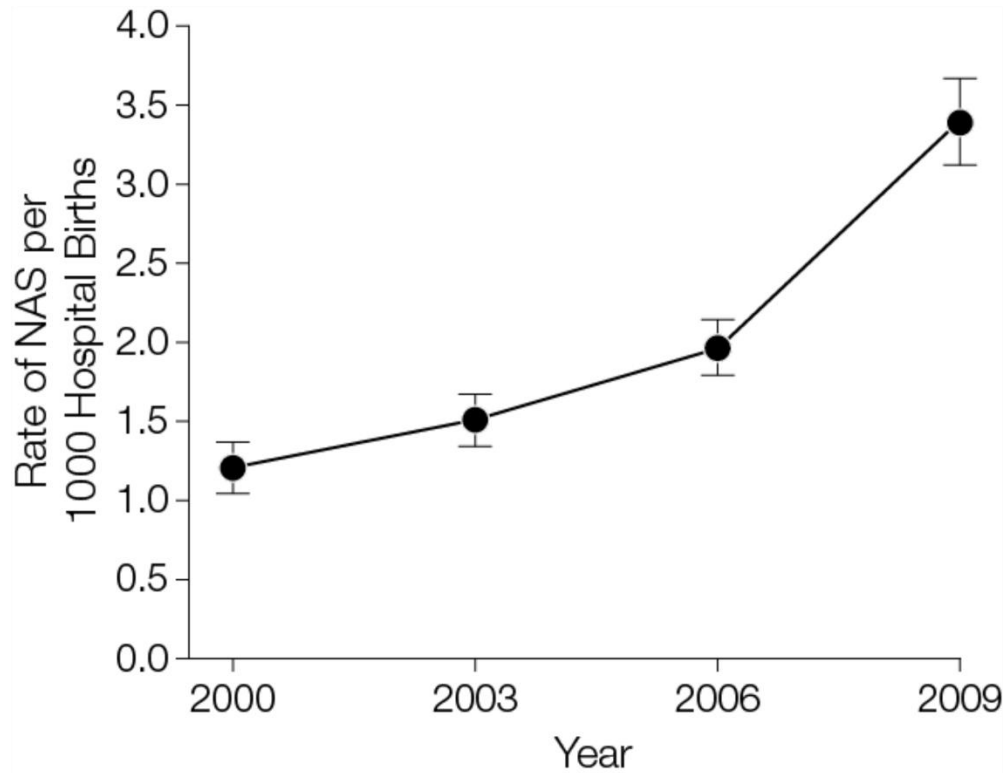
Illicit Drug Use in the Past Month: Pregnant :Aged 15 to 44,  
Percentages per Trimester, Annual Averages Based on 2009-  
2010 and 2011-2012



# Need for and Receipt of Treatment at a Specialty Facility for an Illicit Drug Problem in the Past Year, Numbers in Thousands 2011 and 2012



## Neonatal Abstinence Syndrome and Associated Health Care Expenditures: United States, 2000-2009





**Project RESPECT  
Boston Medical  
Center**

- **Recovery**
- **Empowerment**
- **Social services**
- **Prenatal Care**
- **Education**
- **Community**
- **Treatment**

**120- 130 patients /yr**

**60% Methadone**

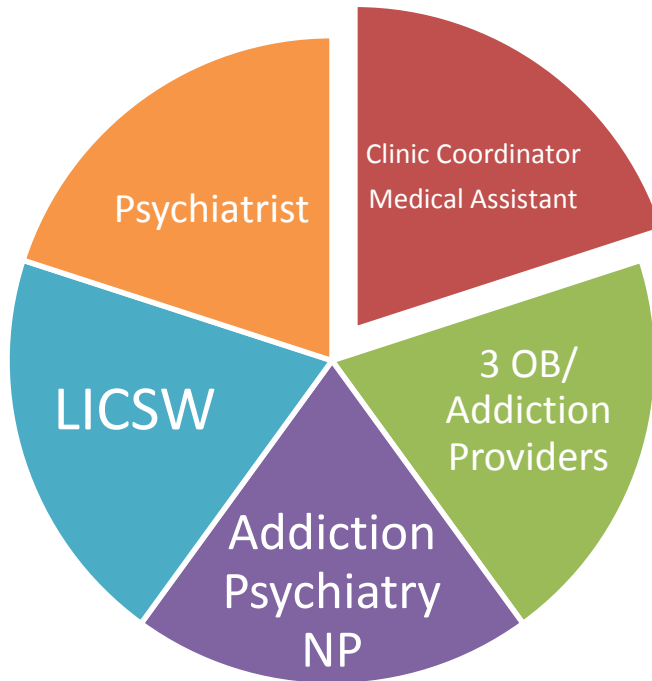
Dose range 8mg to 365mg  
Average dose 80-100mg

**40 % Buprenorphine**

Dose range 2mg to 32mg  
Average dose 16mg

# Project RESPECT: the program

## Out-patient team



## In-patient team

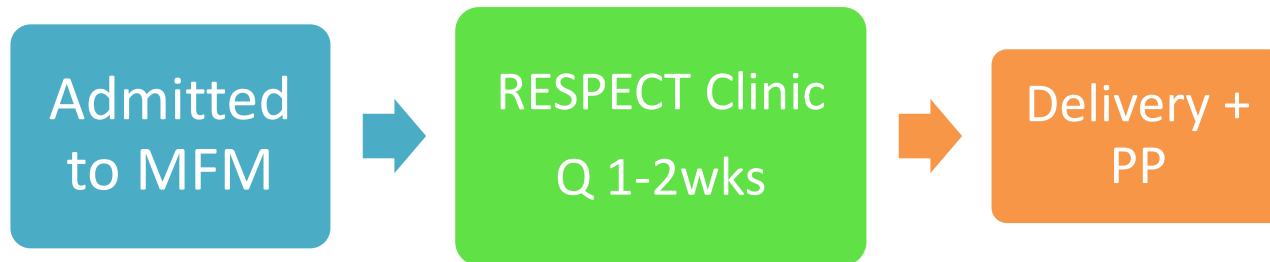
Labor and delivery: RNs, Residents, OB Providers

Postpartum: RNs, Social Work, Lactation, PT/OT, Psychiatry, Pediatric Newborn Nursery Team

4E: RNs, Social Work, PT/OT, Pediatric teams

# How do women enter RESPECT?

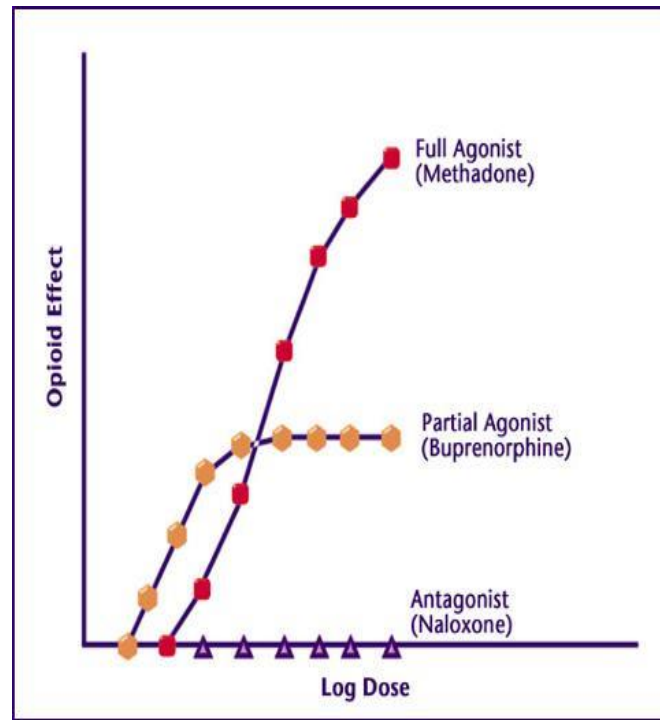
- Self referral, provider referral, transfer from a detox program





# Opioid Maintenance Therapy

## Methadone



## Buprenorphine



# Opioid Maintenance: Improved outcomes

- Maternal:
  - Relapse prevention
  - Reduces polysubstance use
  - HBV, HCV, HIV
  - Increases engagement with prenatal care/ health care
- Neonatal:
  - Decreases preterm delivery and IUGR
  - Decreases NICU admissions
  - Decreases morbidity/ mortality

