Medication Assisted Treatment For Opiate Addiction in Correctional Settings

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Disclosures

- Baxter
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Program Objectives

- Rates of addictive disorders in criminal justice populations
- Detoxification treatment in criminal justice settings, focus on opiates
- Opiate substitution treatment in jails and prisons
- Riker’s Island, NY
Addiction and the Criminal Justice System
2004

7 million in correctional supervision

- 3.2 % (1/31) adults
- 2.135 million incarcerated
  - By 2002:
    - State up 309%
    - Federal up 538%
    - Jails up 265%

http://www.ojp.usdoj.gov/bjs/glance/corr2.htm
US Incarceration Rate

**Prisons only (state/fed)**

- Up ave. 3.4 % annually
  - 1.9% 03-04
  - 30 % inc. since ’95

**Overall (Jail + Prisons)**

- 1996 868/100,000
  - 100/100,000 Europe
  - 47/100,000 Japan
    - *(CASA 1998)*
Community Impact

- **Lifetime Prevalence**
  - state/federal incarceration: 1/15
  - men (11.3%)
  - women (1.8%)
  - blacks (18.6%)
  - hispanics (10%)
  - whites (3.4%)

- 32% (1/3) black males
- 17% (1/6) hispanic males
- 5.9% (1/17) white males.

http://www.ojp.usdoj.gov/bjs/crimoff.htm
Crime rates dropping

Four measures of serious violent crime

- Total violent crime
- Victimization reported to the police
- Crimes recorded by the police
- Arrests for violent crime

Property crime rates

Adjusted victimization rate per 1,000 households

http://www.ojp.usdoj.gov/bjs/glance.htm
Drug arrests and incarcerations increasing

- **Incarceration:**
  - Proportion of drug law violators increasing
  - 1980→1995
    - State: 6→23%
    - Federal: 25→60%
    - *CASA 1998*

- **“Truth in Sentencing”**
  - Stricter laws (school zones)
  - Mandatory/ minimum sentences
  - “3 Strikes” laws

[Graph showing drug arrests by age, 1970-2004]

http://www.ojp.usdoj.gov/bjs/glance.htm#expfunction
Criminal Justice Costs

Direct expenditure by criminal justice function, 1982-2001

- Police: 281%
- Corrections: 529%
- Judicial: 383%

http://www.ojp.usdoj.gov/bjs/glance.htm#exponentialfunction
Drugs, Alcohol and Crime
‘Behind Bars’ CASA 1998

- 80% of incarcerated (at all levels) drug/alcohol involved
  - 1.4/1.7 million
  - 1.2 million users (200,000 dealers, not users)

- State Prison Inmates
  - 64% “regular” drug users (weekly)
  - 29% past tx for alcohol
  - 48% under influence at time of crime
  - 17% crime for $ to buy drugs
68% met criteria for any abuse or dependence
- Only 9.4% general population

High incidence dependence
- 22.8% alcohol
- 35.8% drugs
No gender difference in substance abuse/dependence rates in inmate populations

Rate in females in general population half that of males

Karsberg and James July 2005
Drugs, Alcohol and Crime

50% using at time of crime

16% committed crime to get $ for drugs

Recidivism the rule with substance abuse:
- If DSM IV abuse or dependence
- Twice as likely to have had 3 or more prior sentences (47 vs. 22%)

63% previous treatment

47% previous treatment under correctional supervision

Overall 85% alcohol/drug involved in some way
Fatal Failure:
Detoxification in Correctional Settings
# ADAM 2003

**Arrestee Drug Abuse Monitoring Network**

### Males

- **Opiate (+)**
  - Median 5.8%
    - Low 1.6% (Iowa)
    - High 28.4% (NM)

- **Alcohol (+)**
  - Median 9.5%
    - Low 1.8% (Houston)
    - High 20.2% (NM)
  - Heavy Drinking 26.1%

### Females

- **Opiate (+)**
  - Median 6.6%
    - Low 0% (Neb, L.A.)
    - High 23.3% (NY, NY)

- **Alcohol (+)**
  - Median 86.4%
    - Low 33% (OK)
    - High 100% (Multiple)
  - Heavy Drinking 15.8%

http://www.ojp.usdoj.gov/nij/adam/welcome.html
Detox Services in Jails
Fiscella, K 2004

1997 UDFS Survey
- 3,097 jails (97% response)
  - 42% drug testing
  - 28% detoxify inmates from drugs/alcohol
    - Detox services more likely in larger jails
  - Only 10% of jails with no services refer offsite

63% of arrestees held in facilities without detox services
- 756,000 untreated alcohol withdrawal
- 277,000 untreated opiate withdrawal
Opiate Detoxification in Jails

Fiscella 2005

- Survey 500 jails; 245 responded
  - Low response rates for small jails
- 56% assess for opiates
- 59% use standardized detox protocols
  - vs. 28% in 1997 survey; + Response bias?
    - 50% clonidine
    - 1% methadone
    - 2% opiates
    - 49% none of the above
Jail Management of Arrestees on Methadone Maintenance  

Fiscella 2004

- Survey 500 US jails
  - 245 responded
- 27% contact methadone programs for dose
- 12% continue methadone while incarcerated
Methadone in US Prisons
Rich, J D et al 2005

- Survey state prison medical directors
  - 48% provide methadone (19 programs)
    - 13 Maintenance in pregnancy
    - 6 detox in pregnancy
    - 8 detox from MMT
    - 6 short-term detox for opiate addiction
    - 0 MMT for general populations
  - 3/40 refer to MMT on discharge
Results of Untreated Withdrawal

- Illness/suffering
- Exacerbation of existing medical/psychiatric disorders
- Hospitalization
- Death
- Increased inmate violence
- Suicide
- Human rights violation?
Making the Case for Methadone in Correctional Settings

- Re-addiction within 1 month
- Increased risk
  - HIV infection
  - Overdose death
- Repeat criminal activity
- Re-arrest/re-incarceration
- IVDU in custody
- HIV, Hep C transmission

Kinlock 2005; Dolan 1999; Darke 1998
Canada: Federal Prisons

- 1998: cont. methadone if in community tx
- 1999: initiate methadone in “exceptional circumstances”, for “severely addicted offenders”
  - No standard definition
- 2002: expansion to all inmates after lawsuit
- Jails: if on tx already

Prison re-admit
- 41 vs. 58% at 1 yr
- On treatment in community?

Public Health Impact?
- 11% used in custody
- IVDU’s who had been incarcerated more likely to share needles
  - 73 vs. 52%

Sibbald 2002
New York: Project KEEP
Riker’s Island Key Extended Entry Program

- Sentences < 1 yr
  - Parole violators excluded
- Detox or maintenance
  - 70 mg new patients
  - Continuity of dosing if already in tx
  - Referral to Riker’s based TC if ineligible/unwilling
- Reserved tx slots in community
  - Referrals to other tx modalities

Tomasino et al. 2001
Orange Co. Florida/ CFDFL

- 2 opiate withdrawal deaths 2001
- CFDFL brings methadone to jail daily
- Continuity for CFDFL patients
- Initiate MMT for pregnant addicts
Obstacles to Methadone in Correctional Settings

- Facilities
  - Licensing
  - Staffing
  - Dispensing

- Safety/diversion

- Correctional Staff
  - Knowledge, Attitudes

- Leadership attitudes
  - Corrections
  - Medical Staff

- Cost?
- Length of sentences
- Transition to community
  - Continuity of treatment
  - Cost/insurance
  - Location of release

- Research on safety and efficacy
Buprenorphine in Corrections

- **France**
  - Bup available 1996
  - Recidivism reduced
- **No published US trials**
- **Challenges**
  - Availability
  - Cost
  - Rapid access
  - Comprehensive services

Smith-Rohrberg 2004
They took him away
and shut him in a prison.