

THE DISEASE OF ADDICTION IS ON TRIAL



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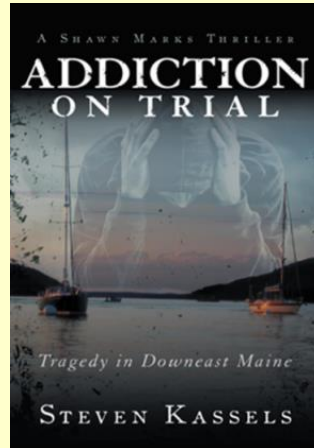
A SHAWN MARKS THRILLER

ADDICTION ON TRIAL

Tragedy in Downeast Maine

STEVEN KASSELS

Meet Travis Bomer Scalloper & Heroin Addict from West Haven Harbor, MDI



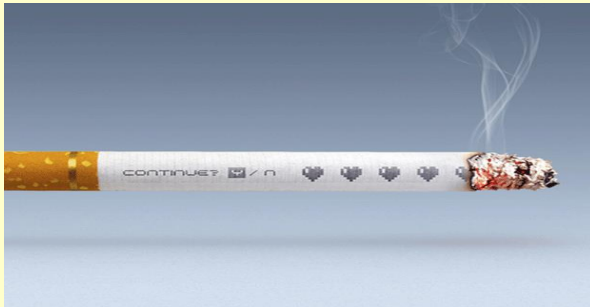
Can a heroin addict save a life on the high seas?



GOOD ADDICTIONS



&



BAD ADDICTIONS



Alcohol and other drugs **claim a life** every

4 MINUTES



and cost us **\$400 billion every year**

22 MILLION

Americans struggle with addiction **every day**



and more than **100 million family members** share their pain

www.shatterproof.org


SECOND HAND DRINKING & DRUGGING

THE DISEASE OF ADDICTION

NOT "SUBSTANCE ABUSE"

Substance Use Disorder

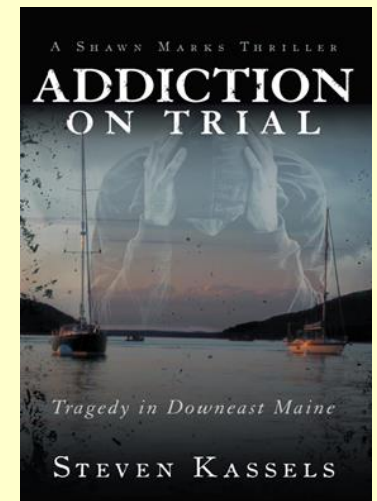
Goals and Objectives:

- Demystify the disease of addiction – equal opportunity
- Direct & indirect illnesses from addictive diseases
- Benefits: MAT for opioid addiction
- Healthcare providers role/obligation: Destigmatize
- Expand Medical Training/Education:  Bias

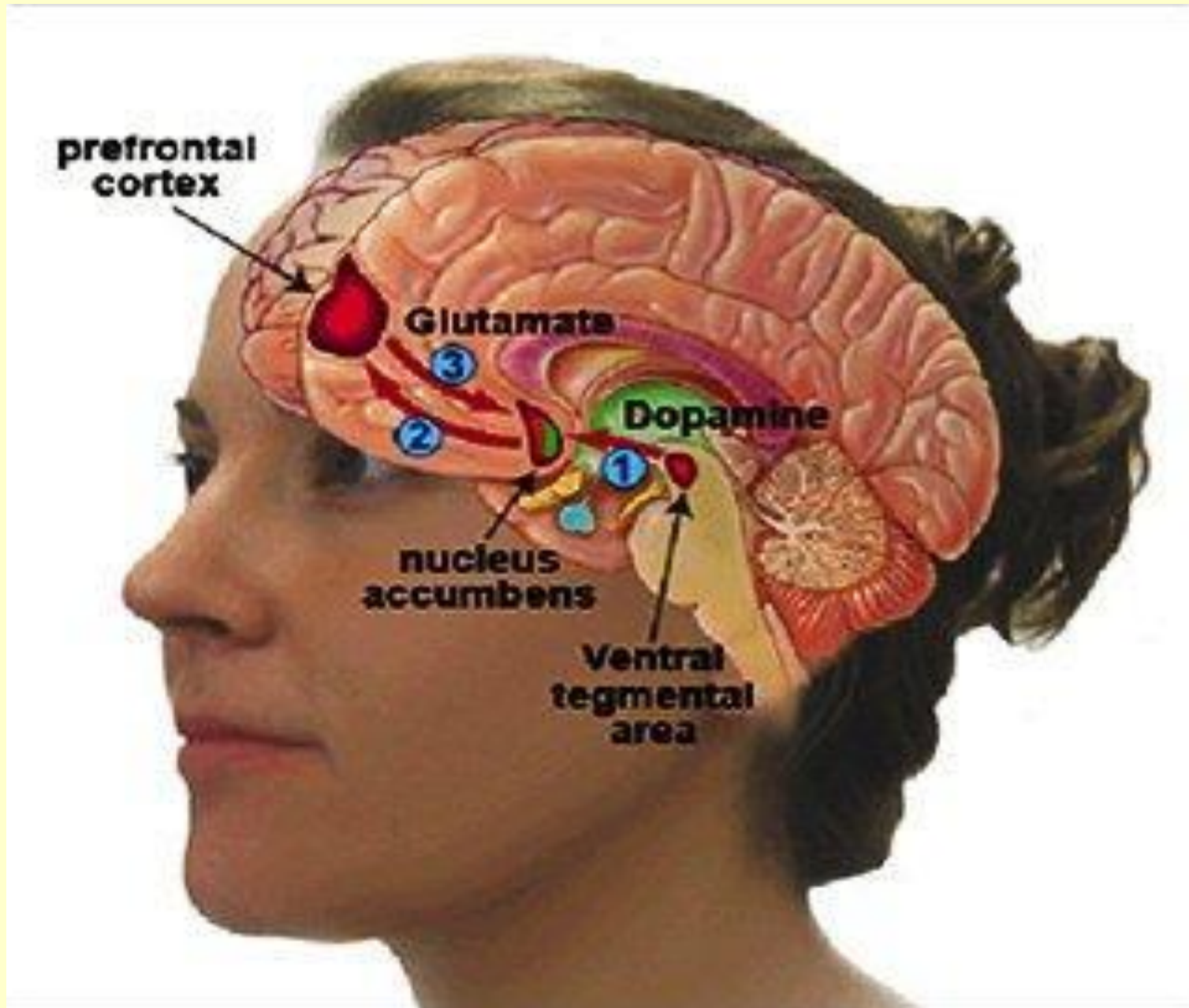
Time to Meet Saul Tolson



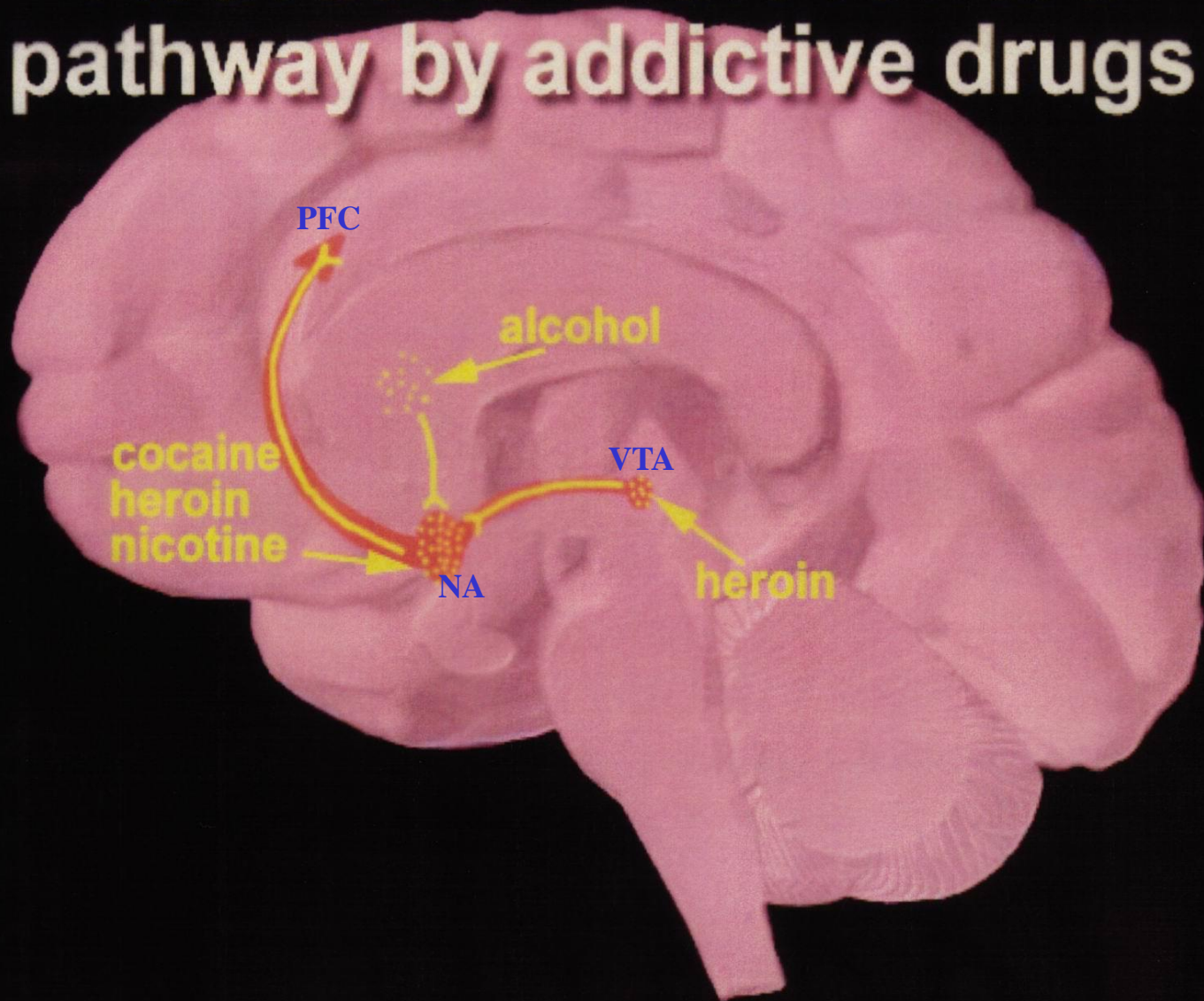
- Jimmy's Therapist
- New Beginnings Addiction Center



Reward Pathway

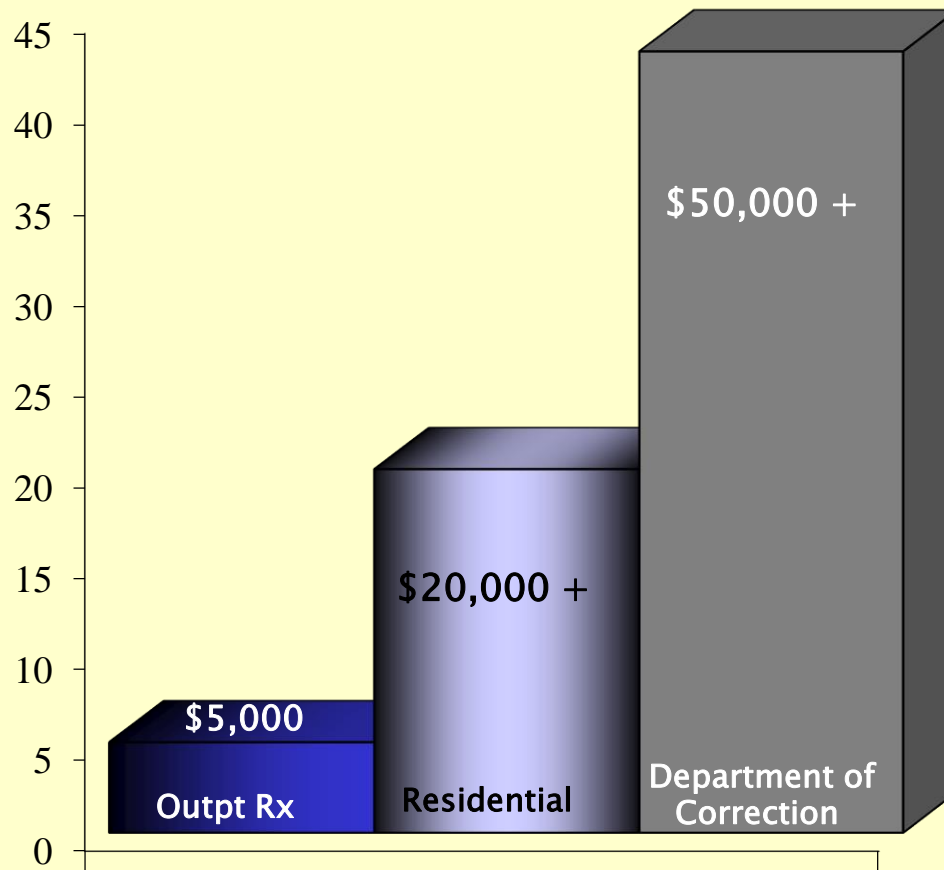


Activation of the reward pathway by addictive drugs



Annual Cost of Treatment Heroin / Opiate Addiction

Thousands



Annual Cost to Society

Alcohol & Drug Addiction

\$400 Billion spent related to:

- **Crime**
- **Health Care**
- **Lost Worker Productivity**

“You can pay now or you can pay later, but you’re gonna pay.”

MOST PREVALENT DISEASES UNITED STATES



40 Million
or >1 in 7

AGES 12 AND OLDER
HAVE ADDICTION...



...THIS IS MORE THAN THE
NUMBER OF AMERICANS WITH:



HEART CONDITIONS
(27 Million)



DIABETES
(26 Million)



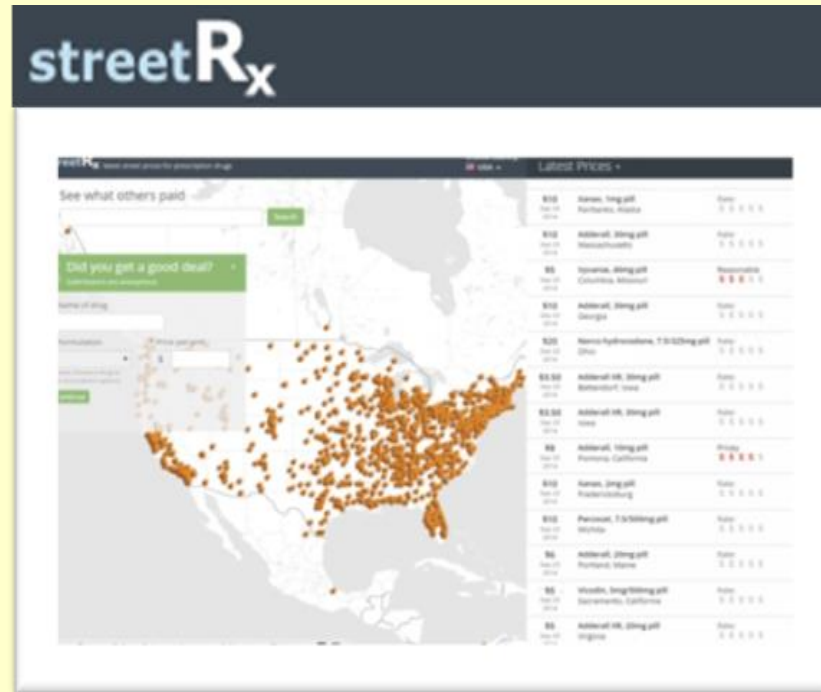
CANCER
(19 Million)

Who or What to Blame for Opiate Epidemic

- Injudicious Prescribing by MD's
- Patient Expectations
- Oxycontin Reconstitution
- War in Afghanistan
- NIMBY
- Supply & Demand - "War on Drugs"
- Physician Training & Biases
- Mental Health Treatment
- Public Officials
- Internet Sale of Pain Pills



Internet Sale of Opiates



- \$60 *Reasonable* OxyContin (hard to crush) 60 mg Hartford, CT
- \$25 *Cheap* OxyContin (old OC-crushable) 20 mg Wiscasset, ME
- \$3.75 *Reasonable* Methadone 10 mg Hartford, CT
- \$15 *Pricey* Oxycodone 15 mg Burlington, VT
- \$3 *Overpriced* Oxycodone 5 mg Providence, RI
- \$10 *Overpriced* Dilaudid 2 mg Worcester MA

The Changing Face Addiction

Aging Baby Boomers Drug Habits



- **BB's abusing drugs, arrested & dying from OD's at higher rates**
(WSJ March 16, 2015)
- **Marijuana: most popular drug of abuse among BB's, followed by pain pills**
(SAMHSA)

The Changing Face of Heroin Use in the US Retrospective Analysis - Past 50 Years

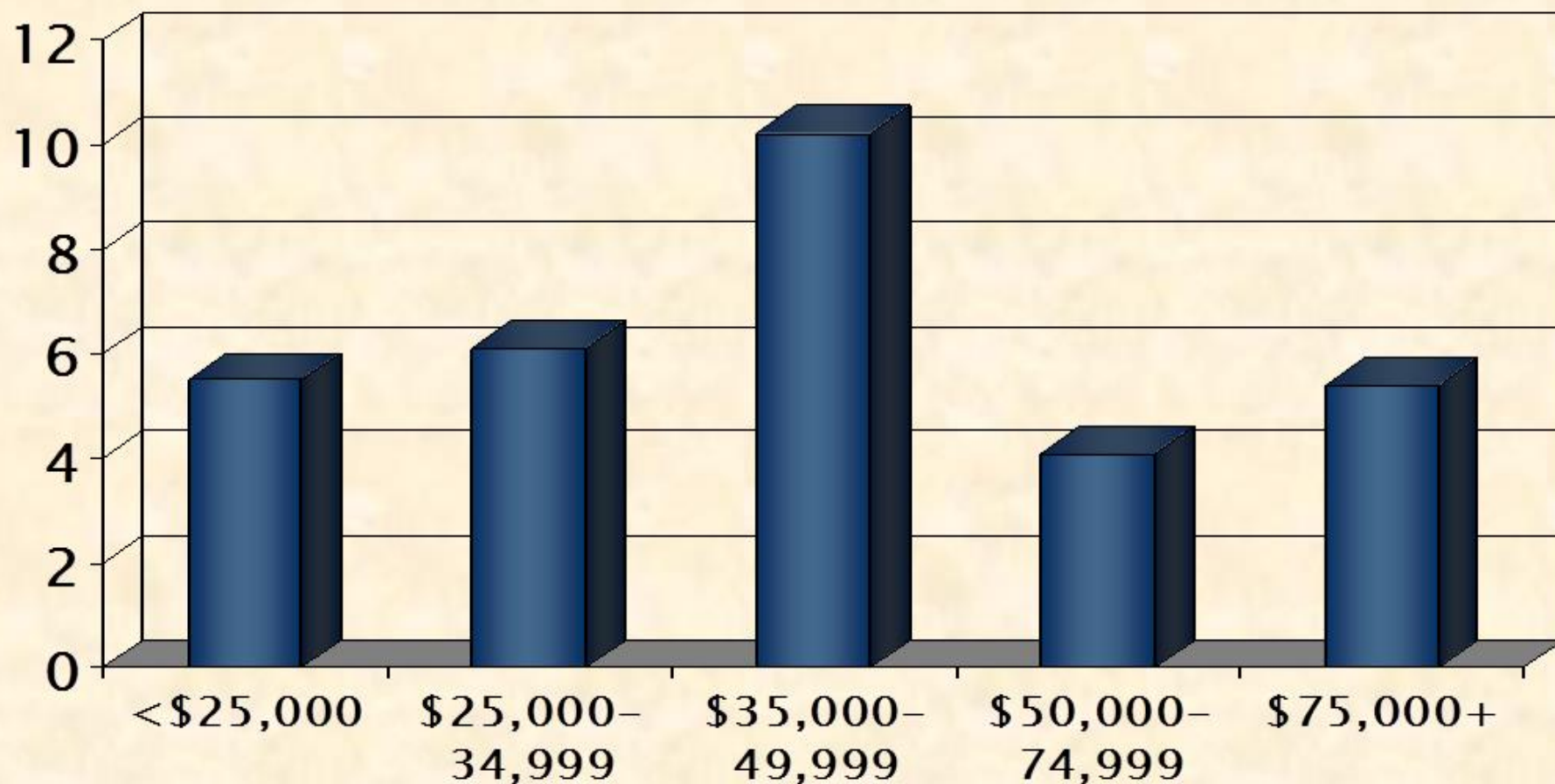
JAMA



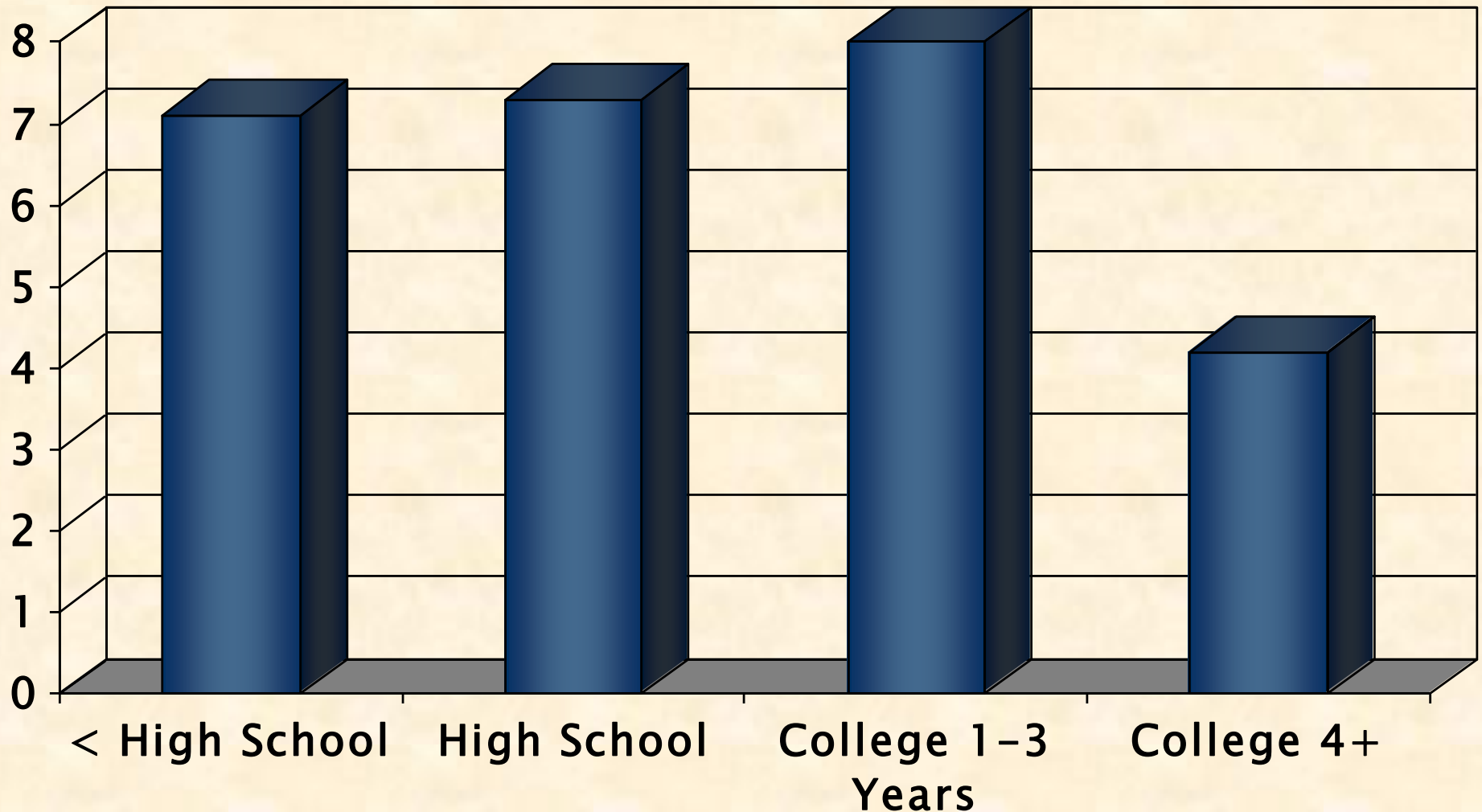
CONCLUSION :

**HEROIN USE HAS MIGRATED FROM INNER-CITY,
MINORITY-CENTERED PROBLEM TO
PRIMARILY WHITE MEN AND WOMEN IN THEIR LATE 20's & 30's**

Percent Adults Reporting Current Illicit Drug Use by Income Level



Percent Adults Reporting Current Illicit Drug Use By Educational Level

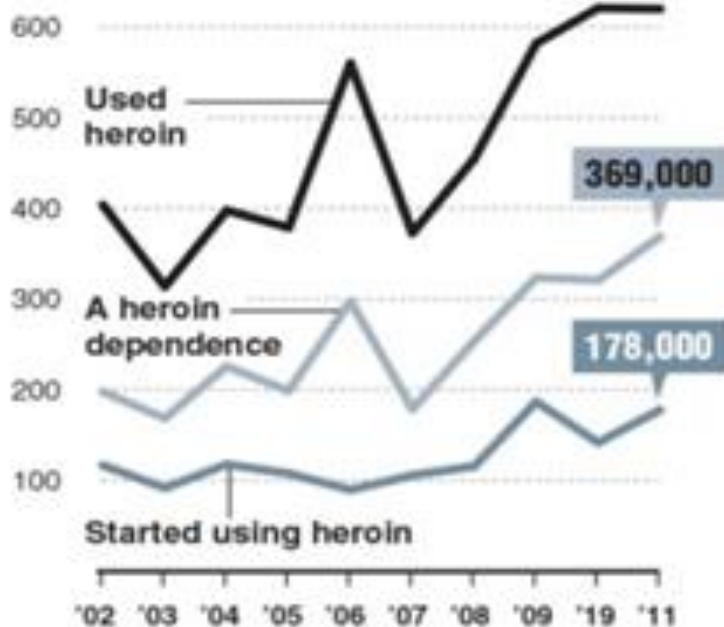


Source: BRFSS – Massachusetts

Heroin use in the U.S.

Heroin use is growing as the addictive drug becomes cheaper and easier to buy all over the country. A look at the trend in use among those ages 12-49, in thousands:

Number of people who in the past year had:



At risk of starting to use

Study of 155,000 people ages 12-49

37% ages 12-25

63% White*

34% Income \$20,000-49,000

85% Live in metro areas

36% Live in the South

*Non-Hispanic

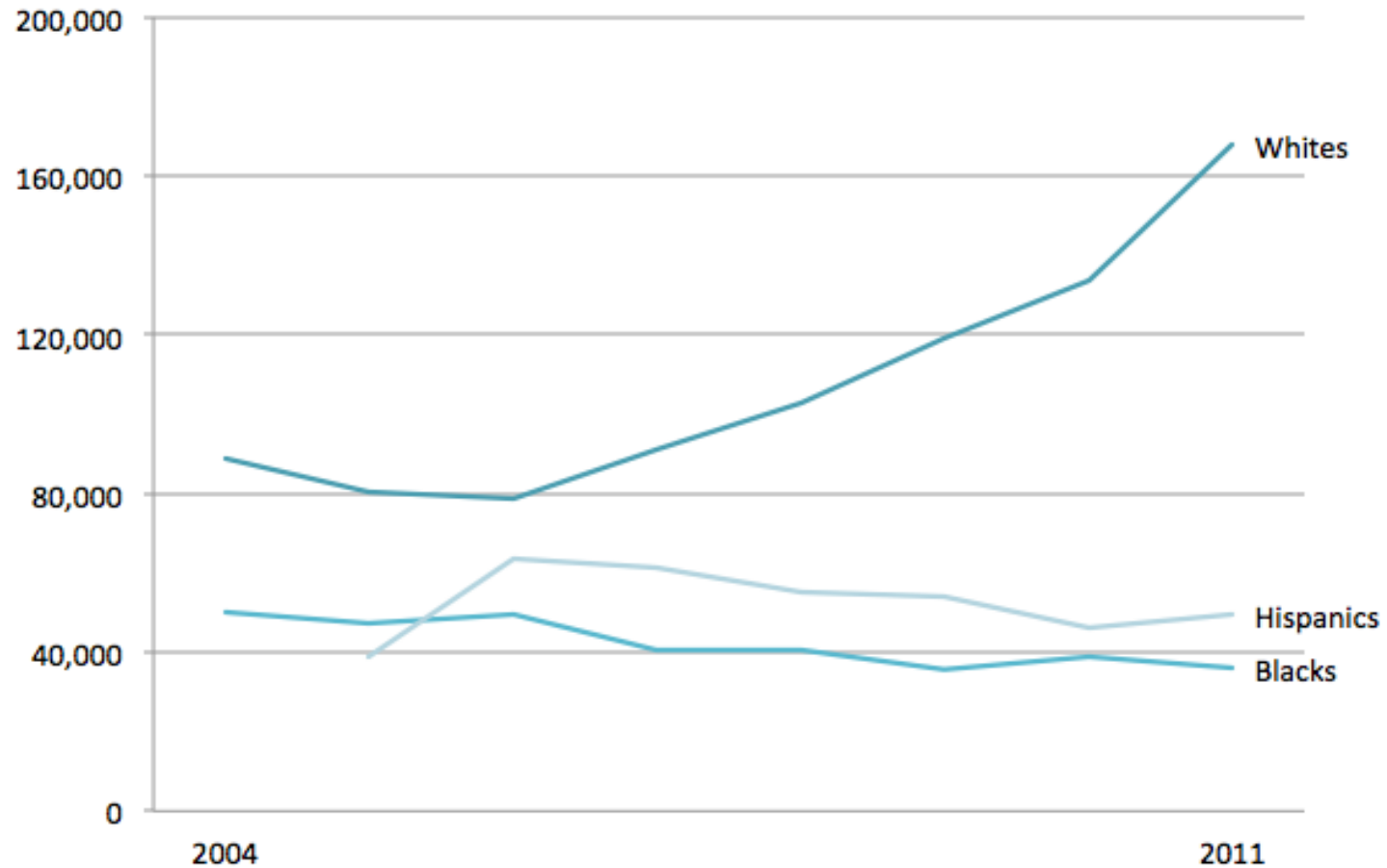
Source: Substance Abuse and Mental Health Services Administration
Graphic: Judy Treible

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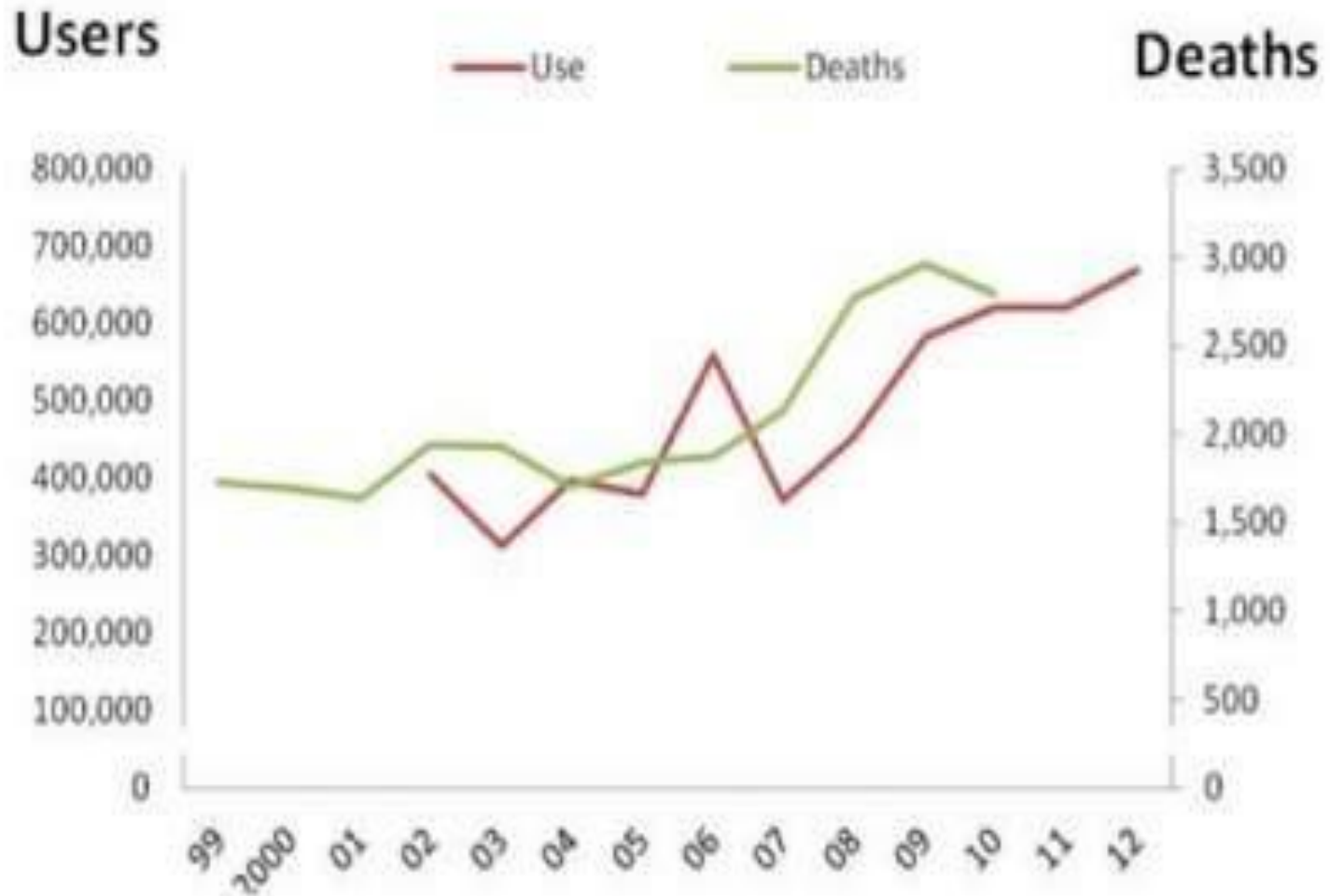
ER VISITS - HEROIN

ER Visits for Heroin

(Source: Drug Abuse Warning Network)



HEROIN USE & DEATHS



Addiction as a Disease Model

Chronic Relapsing Disorder
An Equal Opportunity Disease

- Bio-psychosocial disease
- Self inflicted illness w/genetic predisposition
- Self medication of underlying disease
- Family illness/dysfunction
- Secondary/complicating illnesses (medical & psychiatric)
- 50% of all SA have underlying psychiatric disorder

Stigma and Language



Addict
Hitting Bottom
Junkie
Crack Head

Substance Abuse/Abuser
Dirty Urine
Clean Urine
Habit/Drug Habit



Tolerance

Less bang for the same buck

Dependency

Symptoms in the absence of a drug

Addiction

Not just dependency

Behavior of person dependent on drug(s)

Drug seeking behavior and use despite harm to self or others

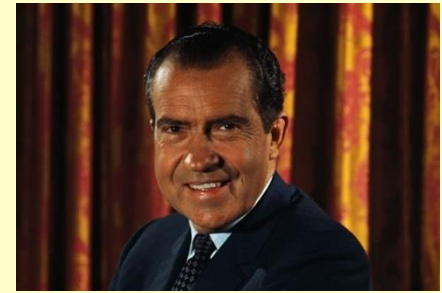
POP QUIZ



- *Name the President who gave:
Special Message to the Congress on Drug
Abuse Prevention and Control?*
- *What were his recommendations?*

Richard Nixon

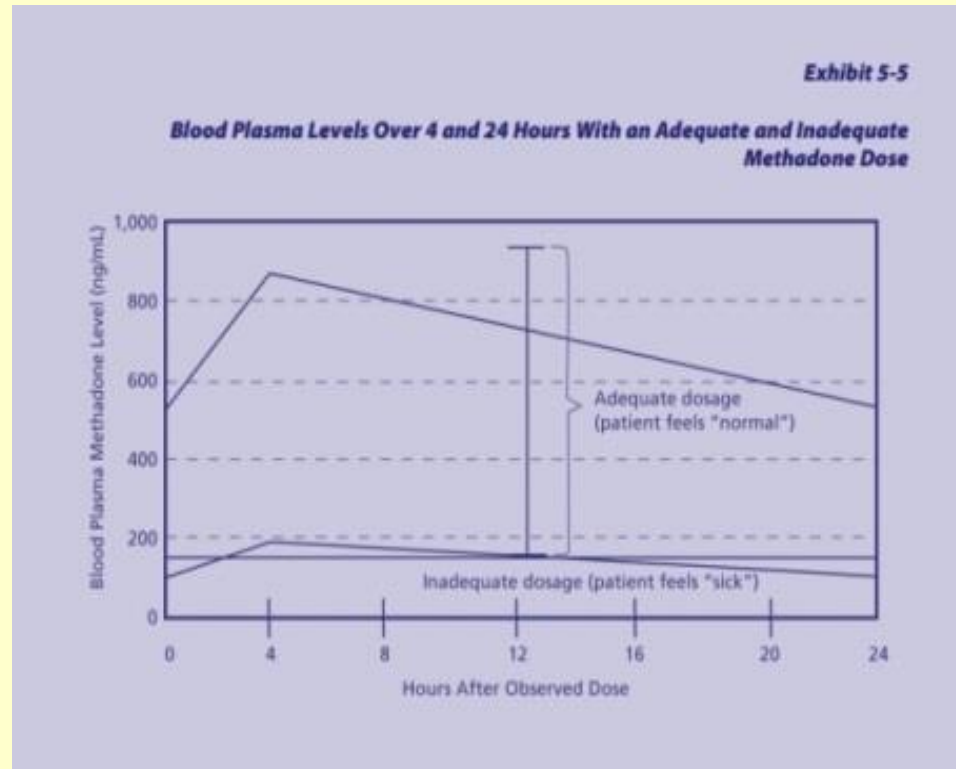
XXXVII PRESIDENT OF THE UNITED STATES 1969-1974



- 1971: Requested Congress amend 1966 Narcotic Addict Rehabilitation Act of to broaden Act's authority for use of Methadone Maintenance Programs
 - Narcotic addiction: major contributor to crime
 - As long as there is a demand, there will be Suppliers of drugs
 - "At this time, the evidence indicates that Methadone is a useful tool in the work of rehabilitating heroin addicts, and that tool ought to be available to those who must do this work."
 - Methadone is the most regulated and studied form of treatment & considered the "Gold Standard"
-
- 1991 - NYC Mayor Giuliani: reversed decision to move 2,100 methadone pts into abstinence programs

METHADONE

NOT METHAMPHETAMINE

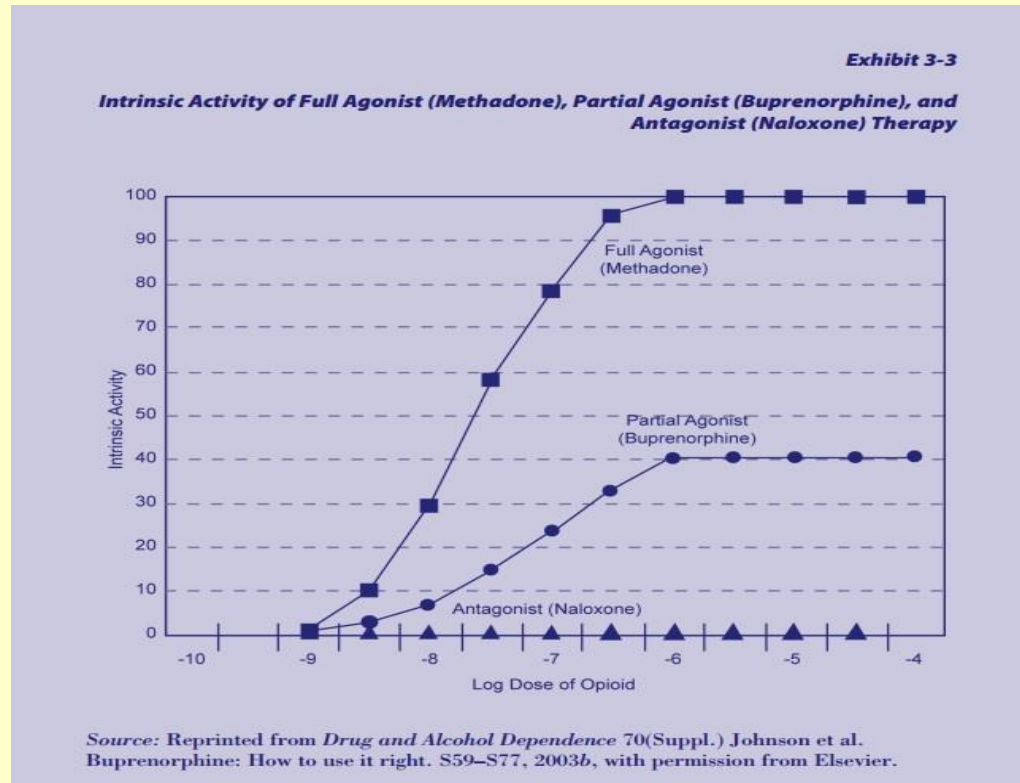


Methadone does NOT make you “High”

Medication Treatment

NOT trading one addiction for another

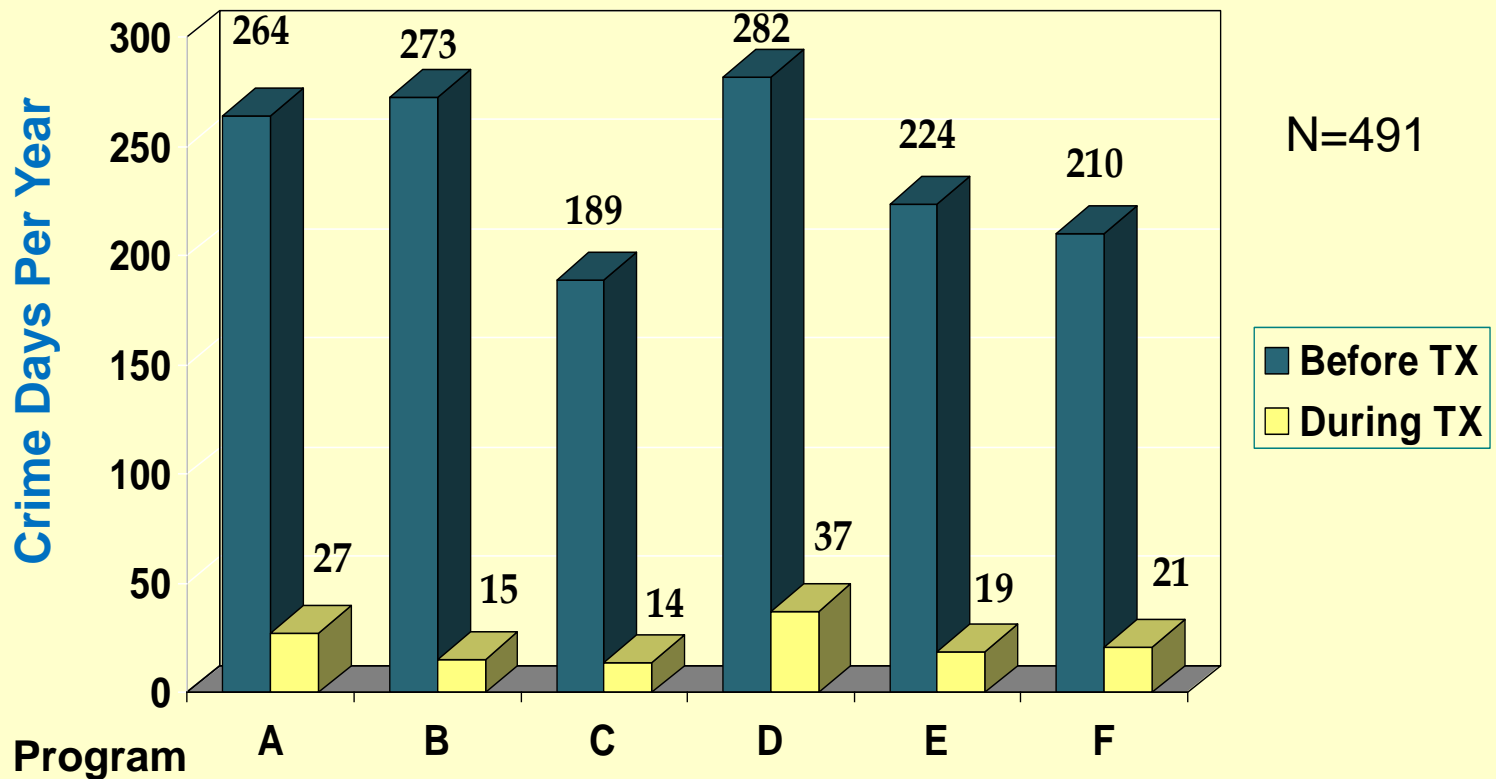
Methadone vs Suboxone



Suboxone better for patients at lower levels of dependency/addiction and is more costly

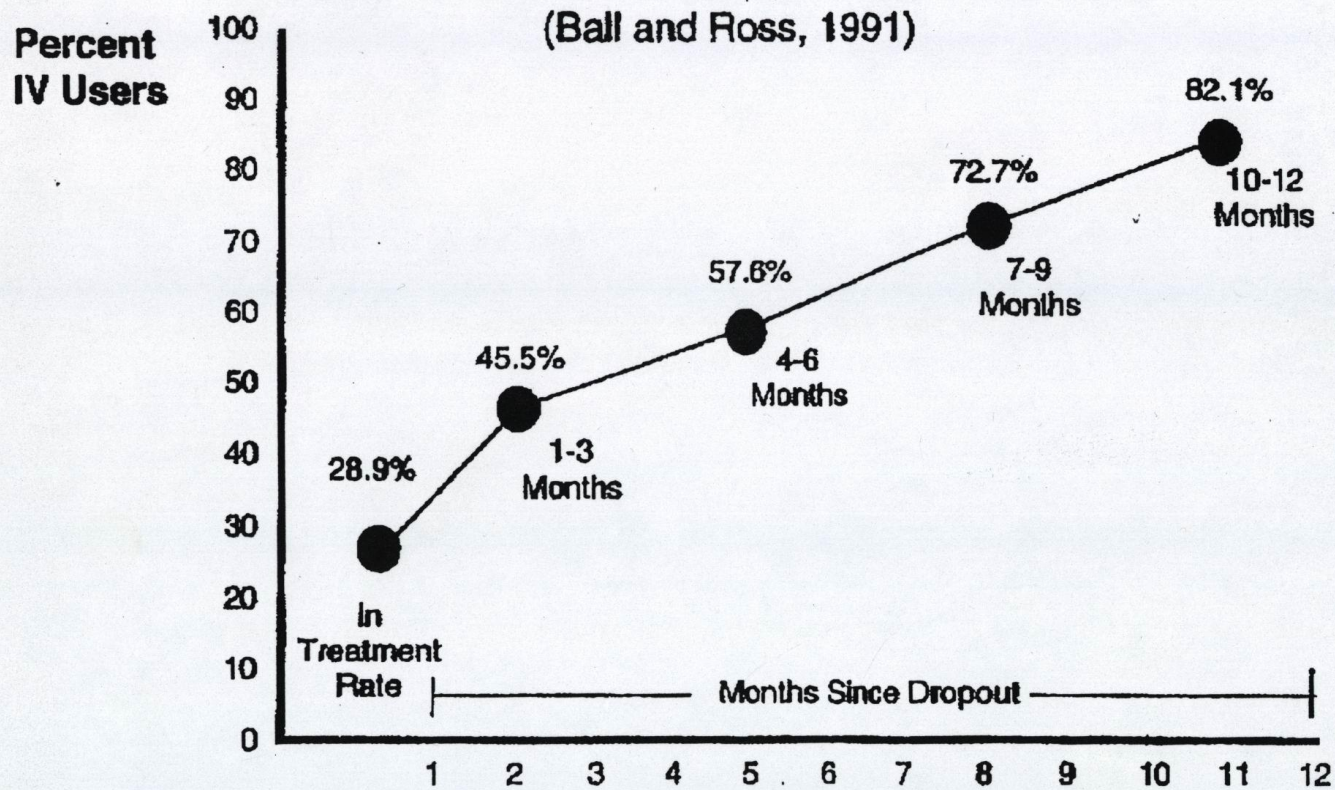
Methadone Treatment and Crime

Crime Before and During Methadone Maintenance Treatment at 6 Programs



Adapted from Ball & Ross - The Effectiveness of Methadone Maintenance Treatment,
1991

RAPID RETURN TO INJECTION DRUG USE FOLLOWING PREMATURE TERMINATION OF MM TX



(N = 105 male patients)

Kentucky Opiate Replacement Treatment Outcome Study (KORTOS) 2013

11 Licensed OTPs

191 pts at 12 mo's prior to intake for MAT, and 6 mo's after admission

- **62% decrease in Illegal Drug Use**
- **49% decrease in Depression**
- **37% decreased in Generalized Anxiety**
- **65% decrease in Arrests**
- **25% increase in Recovery Group Attendance**

Methadone Treatment Outcomes

Maine

Patients in Methadone Maintenance :

- 95% reduction in illicit substance use
 - 80% reduction in patients with arrests
 - 64% decrease in the rate of homelessness
 - 39% reduction in psychiatric admissions
 - 13% increase in employment
-

2015 Maine Budget Proposals:

- Defund MaineCare Methadone Treatment
- Place Caps on Treatment – 2 Years

Methadone Myths

- **#1: Methadone is substitute: one addiction for another**
- **#2: Pts on stable dose of Methadone are addicted**
- **#3: Stable Methadone pts (not using other drugs) can't work/drive**
- **#4: Methadone rots teeth and bones**
- **#5: Methadone is not advisable in pregnant women**
- **#6: Methadone deaths are from addiction Rx (MAT)**
- **#7: Street Methadone is from Methadone Clinics**

Opiate Epidemic - Maine

- New England: direct entry point from South America
- Heroin purity: up to 90% in New England
No need to “shoot up”
- Heroin: Supply: Up & Cost: Down (as little as \$4/bag)
- Heroin: drug contributes most to violent & property crimes
- Opioids: most frequent drug causing admissions to ER's
(more than alcohol)

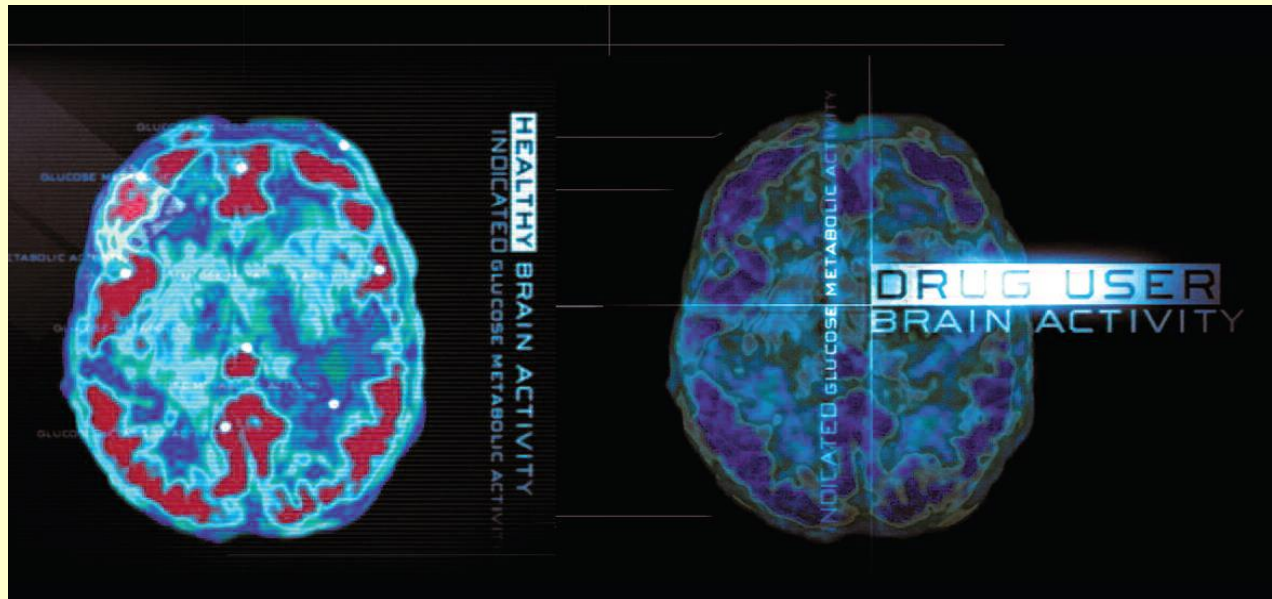
HEALTH CARE PROVIDERS MUST GET INVOLVED Destigmatize & Demystify

- **Education:**
 - Patients & Families
 - Schools & Neighbors
 - Elected & Appointed Officials
 - Medical School and Residency (Join “COPE”)
- **Talking Points:**
 - NIMBY (suburban; purity; nasal use – no needles)
 - Who/What to Blame for Heroin Epidemic
 - Naloxone & Good Samaritan Laws
 - Treatment Works – Methadone Myths & Diversion
 - Chronic Relapsing Illness
 - Good vs Bad Addictions
 - Advocate for MAT in Jails
- **Creativity (“Novel” Approaches):**
 - Talks: Library, Schools, Police/Fire
 - Facebook, Twitter, LinkedIn
 - Op-eds

BUPRENORPHINE (SUBOXONE)

*Geographic and Specialty Distribution of US Physicians Trained to Treat Opioid Use Disorder
ANNALS OF FAMILY MEDICINE, JANUARY/FEBRUARY 2015*

- **Non-resident Physicians < 35 y/o = 7.8% of workforce:**
 - *2.6% of the Bup prescribers*
- **Low rate of young physicians with Bup waivers:**
 - *Insufficient med school & residency training*
- **Barriers to Office Based Suboxone Treatment:**
 - *Complexity of pts & Lack of mental health practitioners*
 - *Inadequate support from nursing and office staff*
 - *Payment issues & Opposition from practice partners*



“Drug addiction is a brain disease that can be treated.”

Nora D. Volkow, M.D. Director National Institute on Drug Abuse

Opiate addiction: end organ is the brain

Brain injuries take a long time to heal, if ever

Patients with brain injuries act irrationally → deterrence not relevant

We can NOT arrest our way out of this problem → jail is a costly revolving door

Limiting treatment will make the problem worse

Methadone reimbursement → cut 25% after 15 yrs at same rate

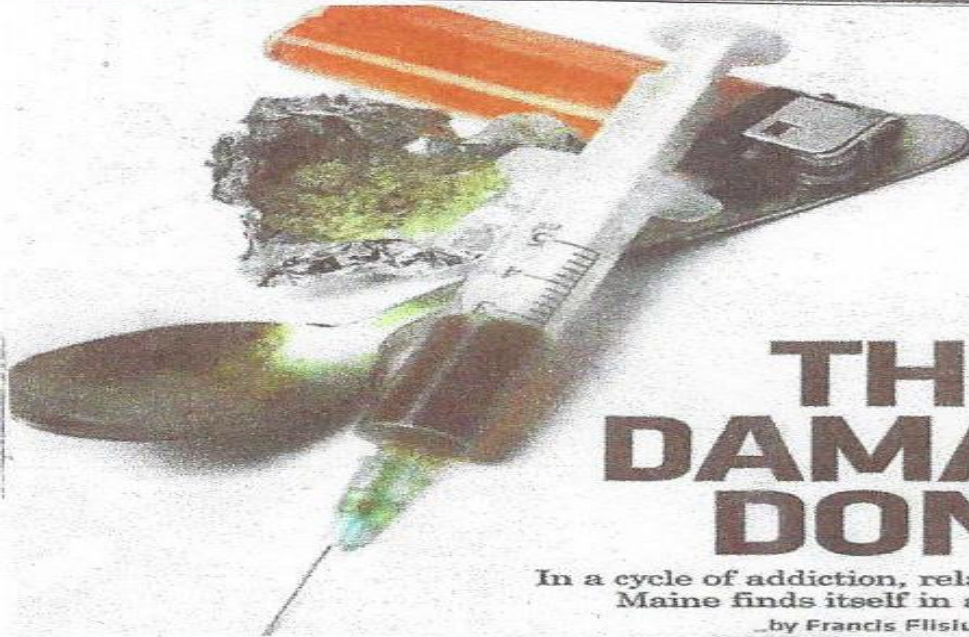
Closures: Mercy Recovery(Portland); Spectrum (Sanford); MDI Hospital (Bar Harbor)

Rockland: Does not accept MaineCare (reimbursement rates not sustainable)



SEPTEMBER 24-30, 2015 | PORTLAND'S NEWS + ARTS + ENTERTAINMENT AUTHORITY

THE PORTLAND PHOENIX



THE DAMAGE DONE

In a cycle of addiction, relapse and overdose,
Maine finds itself in a heroin crisis

by Francis Flisak | p 14

I have made the big mistake.
I've gotten me in trouble my life.
I have gotten me in trouble my life.
I have gotten me in trouble my life.
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I have gotten me in trouble my life.
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I have gotten me in trouble my life.
I have gotten me in trouble my life.



ADDICTION, RELAPSE AND OVERDOSE

MAINE FINDS ITSELF IN THE GRIP OF HEROIN

by FRANCIS FLISAK

NALOXONE DEBATE

- Withholding Naloxone: Oxygen or Insulin
- Narcan Bills should include:

Family, Friends & Bystanders; not just 1st Responders



GOOD SAMATARIAN LAWS

- Immunity vs. Affirmative Defense
- No immunity for drug traffickers or dealers

Starting October 1st

Operation

H **P E** **LOCATION**

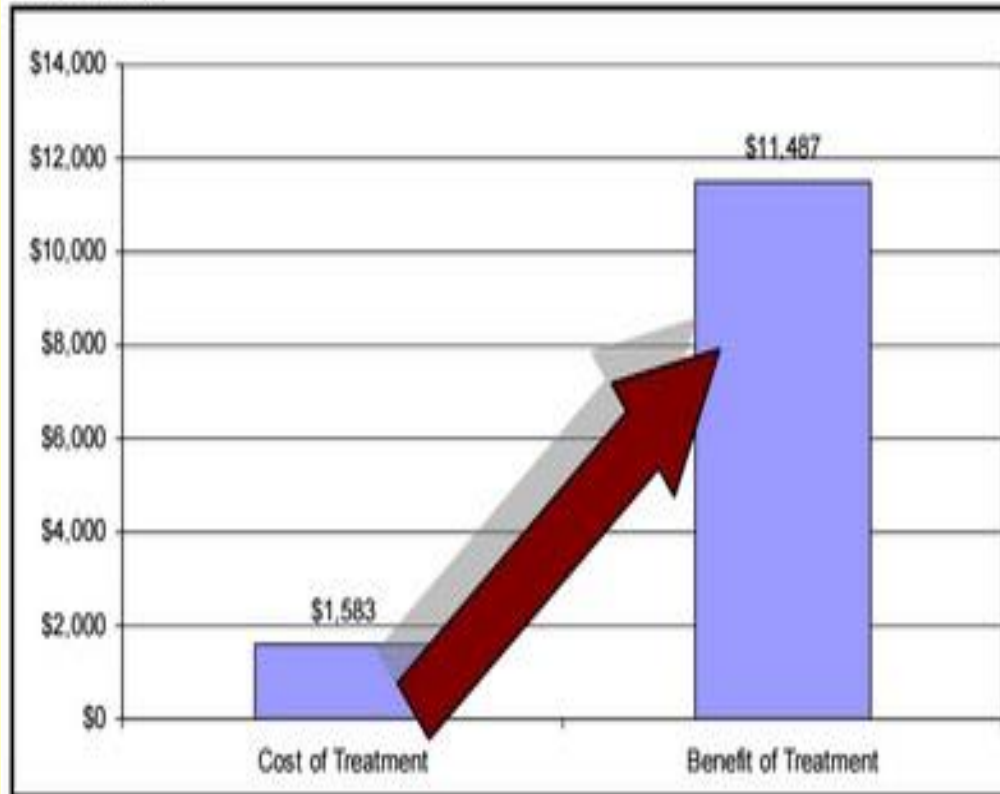
In Partnership with Portland Recovery Community Center



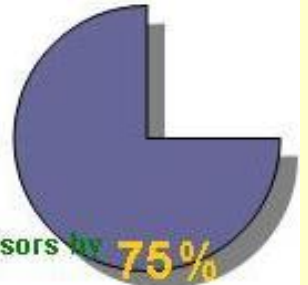
Treatment Cost Benefit Ratio

Largest Savings: reduced cost of crime and improved employee productivity

Figure 1. Cost Offset of Substance Abuse Treatment in California



- reduced absenteeism,
- reduced tardiness,
- lowered on-the-job injuries,
- fewer mistakes, and
- disagreements with supervisors by 75%



Treated patients have reduced:



ER visits by **39%**

Hospital stays by **35%**

Total medical costs by **26%**

when compared to a control group.

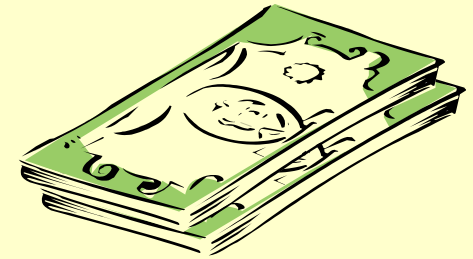


U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES
Substance Abuse and Mental Health Services Administration
Center for Substance Abuse Treatment
www.samhsa.gov April 2009

Impact of Prevention & Treatment

Societal costs in terms of:

- Public Health (HIV, Hepatitis C, etc.)
- Law Enforcement, Crime, Prison and Court/Legal
- Lost Job Productivity & Workers Compensation
- Deterioration of Societal Priorities

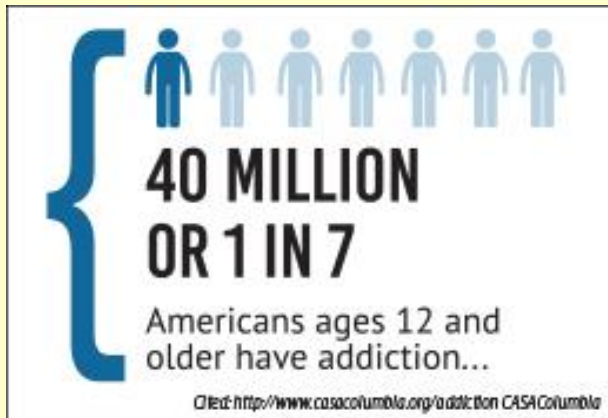


Each \$1 invested in alcohol & drug prevention saves \$5.60

Each \$1 invested in alcohol & drug treatment saves \$7

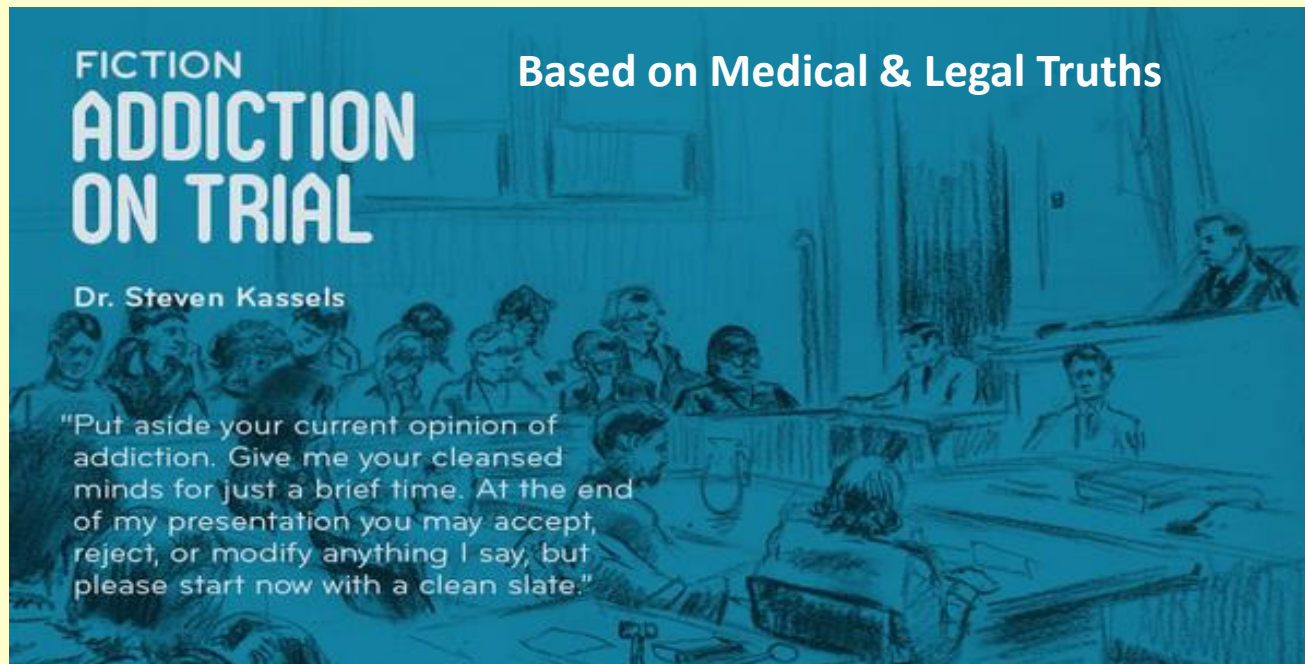
Lifetime Model & Methadone Treatment:

- Tracked methadone patients age 18 to 60
- Factors: heroin use, treatment, crime, employment, healthcare
- **Each \$1 dollar spent on methadone treatment yields \$38**



DEMYSTIFY & DESTIGMATIZE - DISEASE OF ADDICTION

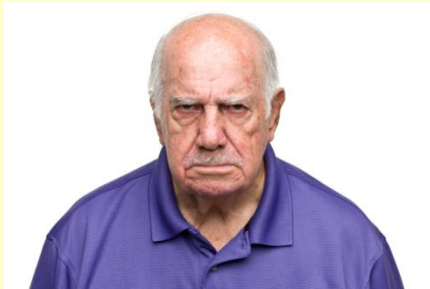
END PHYSICIAN BIAS



Meet

Travis' Parents - Mr. and Mrs. Bomer

What is it really like to be living with addiction?



Annette Fiorno

Travis' Fiancee – Waitress – Cocaine Addict

Can a cocaine addict actually keep a job?



MEET

JIMMY SEDGWICK

DR. CARTER ADAM SEDGWICK



*Heroin addict in withdrawal and in jail
Parent receiving the call from your son*

SHAWN MARKS



*Attorney trying to get to the truth
Did Jimmy really murder Annette?
Addicts don't rat on one another*

ADDICTION ON TRIAL



Author Royalties Support

TREATMENT CENTERS & HOMELESS SHELTERS

ADDICTION ON TRIAL

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