

Addiction and Incarceration

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Disclosure Information

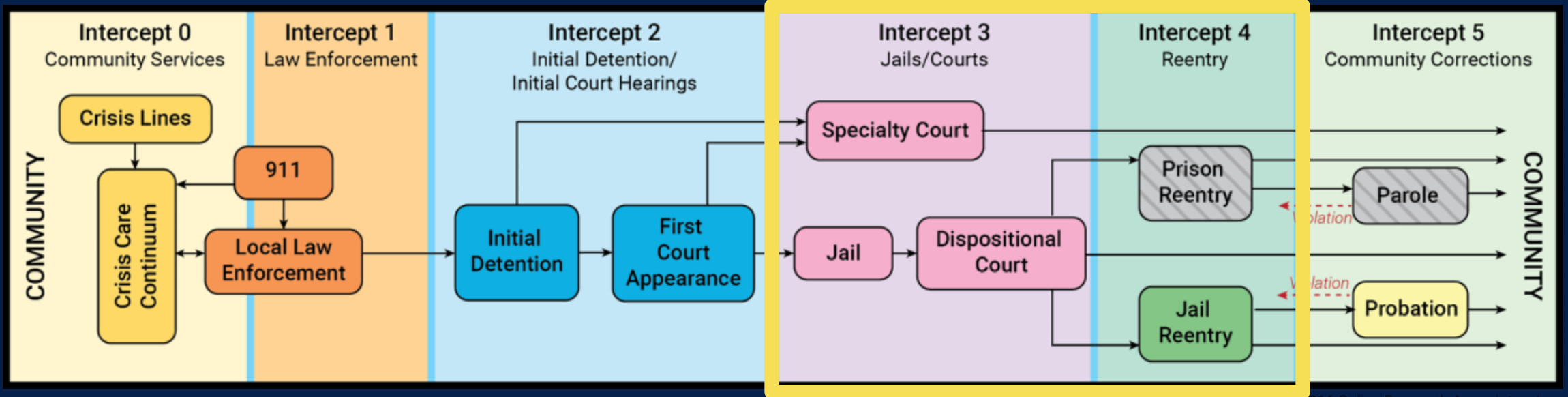
Addiction While Incarcerated – Policy General Session

The ASAM 54th Annual Conference

Justin Berk, MD, MPH, MBA

- ◆ No Disclosures





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REVIEW ARTICLE

Dan L. Longo, M.D., *Editor*

Neurobiologic Advances from the Brain Disease Model of Addiction

Nora D. Volkow, M.D., George F. Koob, Ph.D., and A. Thomas McLellan, Ph.D.

fMRI

Neurotransmitter
levels

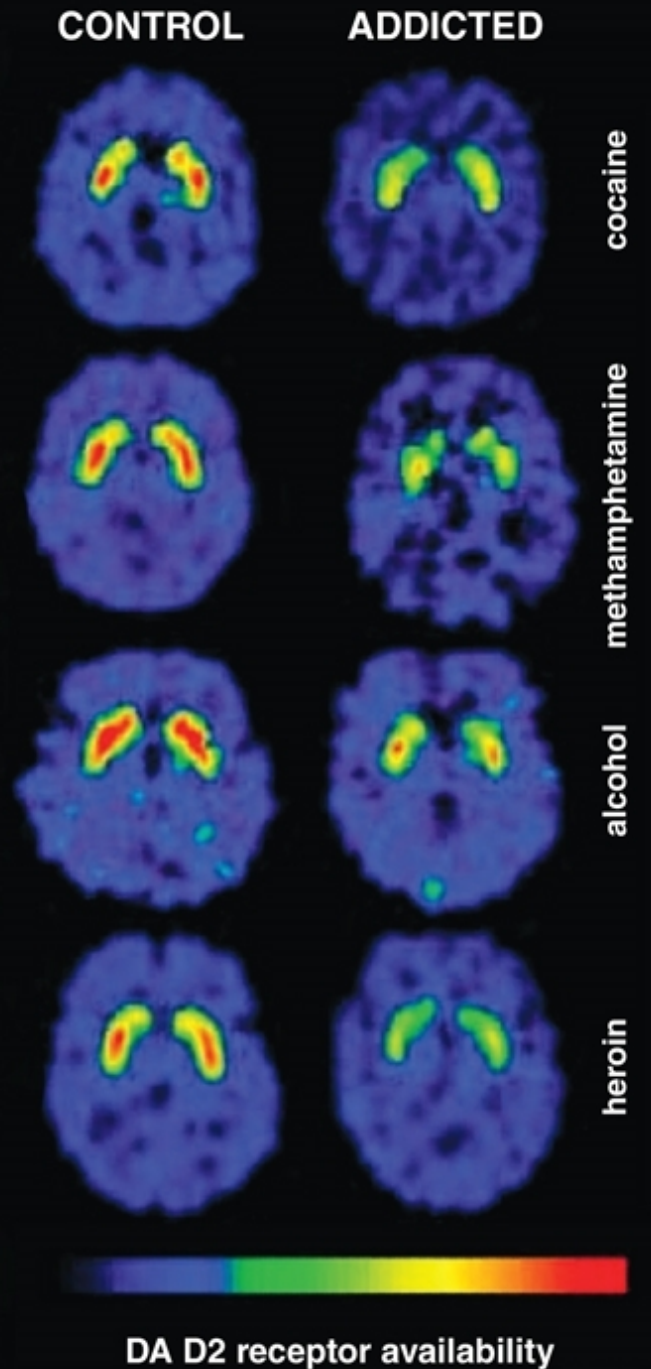
Autopsy brain
inflammation

Molecular
genetics

CHANGES FROM CHRONIC DRUG USE ARE SEEN ON BRAIN IMAGING

Dopamine Receptors are down-regulated after chronic drug use

Receptors become sensitized and require higher doses to stimulate in the same way





Incarceration is the Natural Progression of Disease

Criminal Legal System Exposure:

>75% of
individuals
using heroin

>33% of
individuals
with OUD

(Winkelman et al. *JAMA Net Open.*
2018)

(Boutwell et al. *J Opioid Manag.* 2007)

Justice-involved population is high risk for fatal overdose.

JAMA Psychiatry | Original Investigation

Predictive Modeling of Opioid Overdose Using Linked Statewide Medical and Criminal Justice Data

Brendan Saloner, PhD; Haren Yen Chang, PhD; Noa Krawczyk, PhD; Lindsey Ferris, DPH
Matthew Eisenberg, PhD; Thomas Richards, MS; Klaus Lemke, PhD; Kristin E. Schneider,
Jonathan P. Welner, DrPH

July 20, 2020

Predictive Modeling of Opioid Overdose: Institutions of Incarceration Must Provide Medication Treatment for OUD

Carolyn Sufrin, MD, PhD | Johns Hopkins University School of Medicine, Dept. of Gynecology and Obstetrics

We appreciate the novel contribution of Saloner et al's predictive model for opioid overdoses in Maryland (1). We call attention to Table 1 showing that nearly half (47%, 564/1204) of fatal overdoses and more than 7% (635/8430) of non-fatal overdoses occurred in people with criminal justice involvement. Both release from prison and

Incarceration is associated with **41x** greater overdose death.

Gan WQ, Kinner SA, Nicholls TL, et al. Risk of overdose-related death for people with a history of incarceration. *Addiction*. 2021;116(6):1460-1471. doi:10.1111/add.15293

Within 2 weeks of release, individuals are **129x** more likely to die of opioid overdose.

Binswanger IA, Stern MF, Deyo RA, et al. Release from Prison — A High Risk of Death for Former Inmates. *New England Journal of Medicine*. 2007;356(2):157-165. doi:10.1056/nejmsa064115





RIDOC MOUD: Care Behind Bars

All MOUDs
available

Patient
preference

No program
removal

No dosing
ceiling

Counseling
provided

Discharge
planning

Postincarceration Fatal Overdoses After Implementing Medications for Addiction Treatment in a Statewide Correctional System

Initiation of MOUD while incarcerated is associated with a 61% reduction in post-release overdose deaths.

NNT = 11

Harms of Incarceration: Collateral Consequences

Treatment disruption

- ~10% drop-out during incarceration

Medical insurance disruption

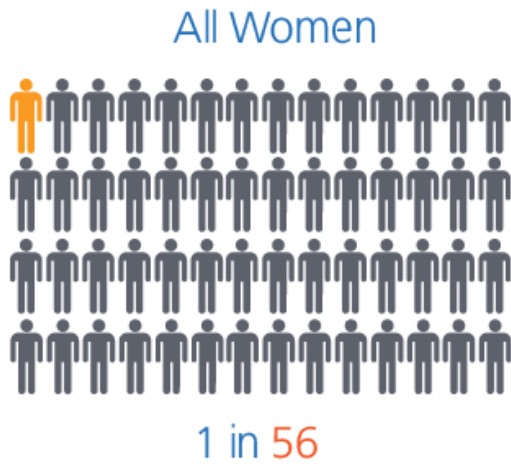
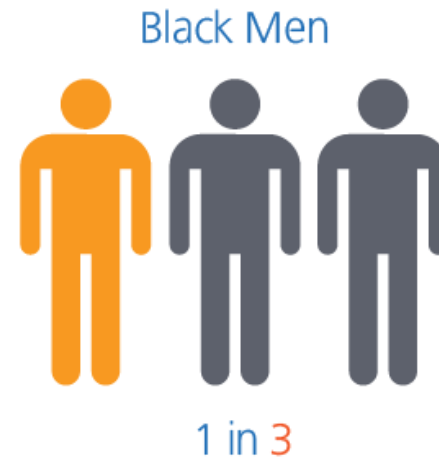
- Medicaid suspension or termination

Recovery capital disruption

- Harms to employment, housing availability, food stamps, social networks...

Stigma

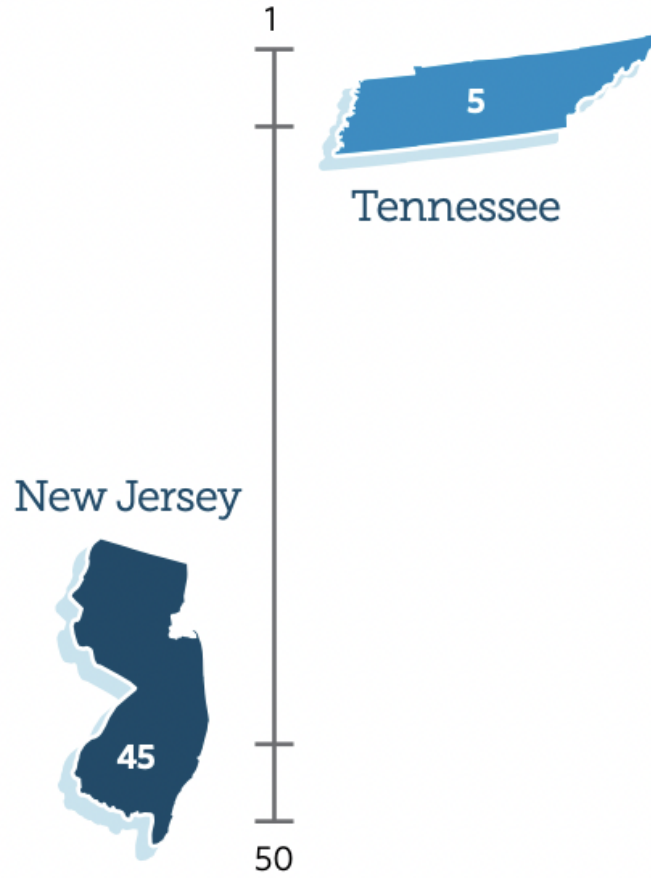
Lifetime Likelihood of Imprisonment



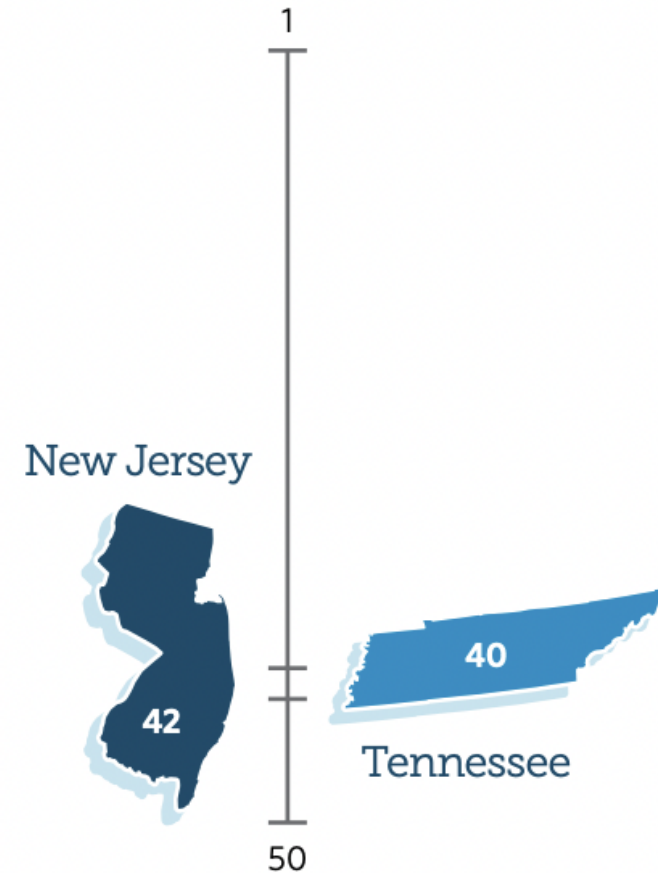
Source: Bonczar, T. (2003). *Prevalence of Imprisonment in the U.S. Population, 1974-2001*. Washington, D.C.: Bureau of Justice Statistics.

Aggressive Approach to Drug Crimes Yields No Drug Misuse Benefit

Drug Imprisonment Rank



Drug Use Rank



New Jersey imprisons drug offenders at a much lower rate than Tennessee, but the states' drug use rates are roughly the same.

Significant barriers continue to prevent treatment.



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RESEARCH, PRESS RELEASES | AUGUST 4, 2022

Almost 90 Percent of People with Opioid Use Disorder Not Receiving Lifesaving Medication

Researchers Sound Alarm on Treatment Gap & Suggest Ways to Remove Treatment Barriers as Opioid Overdoses Soar to Historic Levels





AMERICAN PUBLIC HEALTH ASSOCIATION
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Advancing Public Health Interventions to Address the Harms of the Carceral System

Date: Oct 24 2020 | Policy Number: LB20-05

Key Words: Jails Prisons Prisoners, Racism, Human Rights

*Therefore, APHA recommends moving toward **the abolition of carceral systems** and building in their stead just and equitable structures that advance the public's health.*

