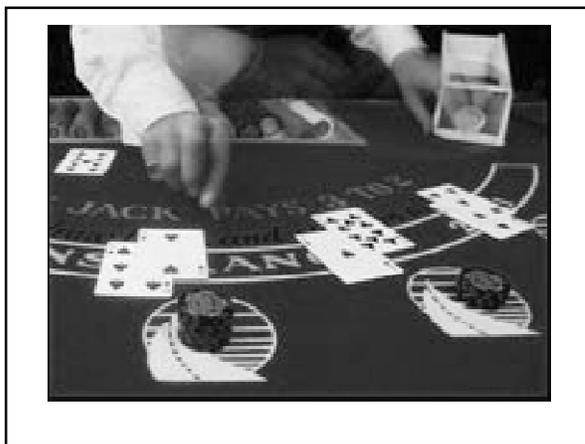
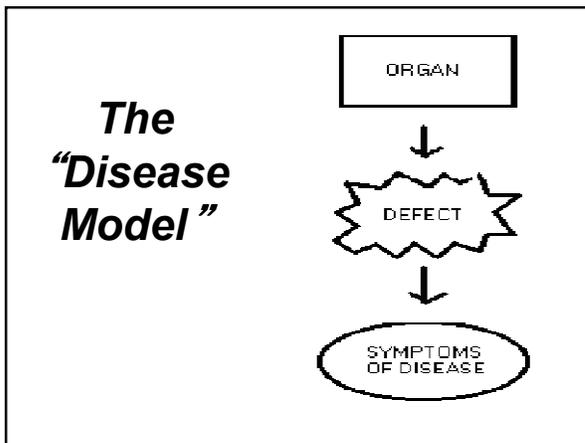
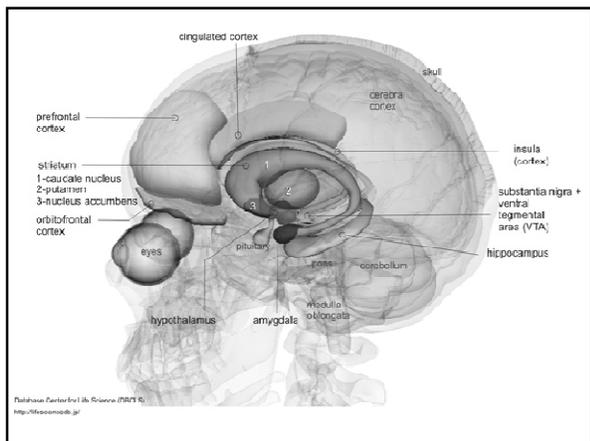


kevinmccauley@hotmail.com

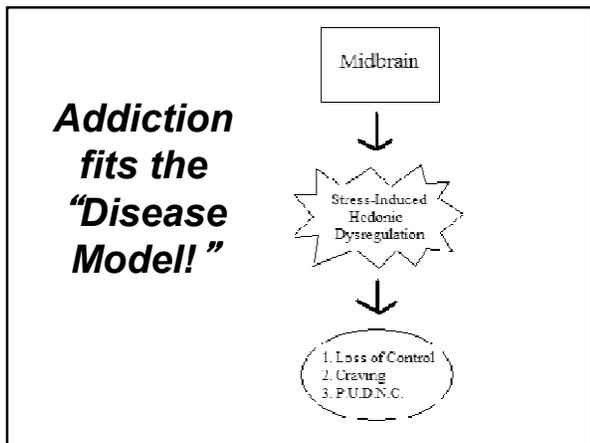
Is Addiction Really a "Disease?"





ASAM Addiction Definition (Aug 2011)

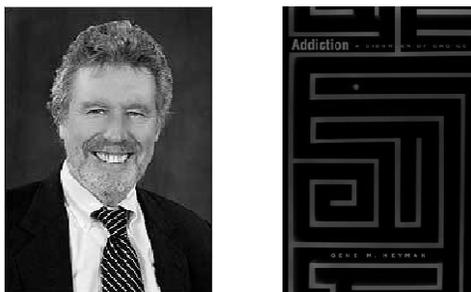
A stress-induced (HPA axis), genetically-mediated (polymorphisms, epigenetic mechs.) primary, chronic and relapsing brain disease of reward (nucleus accumbens), memory (hippocampus & amygdala), motivation and related circuitry (ACC, basal forebrain) that alters motivational hierarchies such that addictive behaviors supplant healthy, self-care behaviors



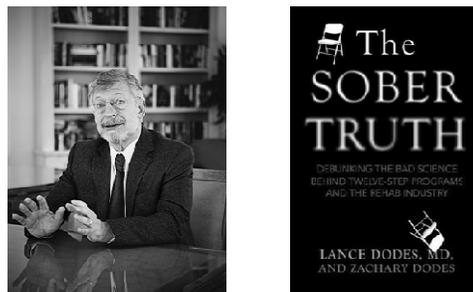
Sally Satel, MD



Gene Heyman, PhD



Lance Dodes, MD



A “Disease” of Volition

- Could such a thing exist? (ontologic argument)
- What would happen if such a thing existed? (teleologic argument)
- What is the nature of volition/free will/choice?
- Is there something special (non-material) about “choice?”
- If so, what is it?
- If not, how is “choice” realized in the

Something very important happened when we were finally able to call addiction a “disease”...

```

    graph TD
      A[Midbrain] --> B[Stress-Induced Hedonic Dysregulation]
      B --> C([1. Loss of Control  
2. Craving  
3. P.U.D.N.C.])
    
```

If Addiction is a “Disease,” then ...

- Addicts are patients!
- Addicts have the same rights as all patients
- All the ethical principles that apply to other patients now also apply to addicts
- **Addiction has parity**

Tom McClellan
Result: Mental Health Parity and Addiction Equity Act (2008)

Is Addiction an Acute Disease or a Chronic Disease?

The “Disease Model”

```

    graph TD
      A[ORGAN] --> B[DEFECT]
      B --> C([SYMPTOMS OF DISEASE])
    
```

ACUTE Disease vs CHRONIC Disease

- REDUCTIVE: simple causation (traumatic, infectious, toxicologic)
- EMERGENT: rapid onset, severe symptoms, short duration
- EPISODIC CARE: Usually cured with a single, intense, time-limited hospitalization involving definitive treatment with ...
- MATERIALISTIC: primarily surgical or pharmacological interventions
- TECHONOCRATIC: Expert delivered, expensive, encourages “sick role” dependency, poorly targeted, fragmented care
- Ex. Heart Attack, Pneumonia, Encephalitis, traumatic injury

Chronic Diseases

Asthma	Kidney Disease
Diabetes mellitus	Heart Disease/Post-MI
Chronic Obstructive Pulmonary Disease (COPD)	Hypertension
Post-chemotherapy/Cancer	Rheumatoid Arthritis
Hepatitis B/C	Epilepsy
HIV/AIDS	Irritable Bowel Disease
Major Depression	ADHD
Chronic Pain	Addiction/Recovery
Lupus Erythematosus	Migrainosis
Cystic Fibrosis	Anticoagulation Therapy (post-DVT, Atrial Fibrillation)
Alzheimer's Disease	

ACUTE Disease vs CHRONIC Disease

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- **TECHNOCRATIC:** Expert delivered, expensive, encourages "sick role" dependency, poorly targeted, fragmented care
- Ex. Heart Attack, Pneumonia, Encephalitis, traumatic injury
- **CONTEXTUAL:** multiple causation (genetic vulnerability, early adverse experiences, poverty, societal disenfranchisement)
- **VARIABLE COURSE:** sudden or gradual onset, relapsing, life-course variations
- **LONGITUDINAL CARE:** non-urgent, across the life-span, electronic health records, preventive focus
- **PATIENT-CENTERED:** care takes personal values, cultural context and spiritual considerations into account
- **COMMUNITY-BASED:** mix of professional and lay-treatment, team approach, continuous

advantages of a Chronic Care Model (Wagner)

Non-urgent
 More efficient and cost-effective
 Preventive
 Based on continuous, healing relationships
 Provides services across the continuum of care for life
 Centralized, local (no aircraft needed)
 Family-centered
 Informational (EMRs > NHII > research)

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 Provides services across the continuum of care for life
 Centralized, local (no aircraft needed)
 Family-centered
 Informational (EMRs > NHII > research)
 Self-management support
 Pro-active case management

What "Disease Management" looks like for ... **Diabetes**

Daily Fasting Blood Glucose testing (and recording)
 Intensive ("Flexible") Insulin therapy with MDI/pump
 Periodic Hemoglobin A1C testing to check long-term glycemic control
 Annual Ophthalmologic Exam
 Periodic Podiatric Exam/Foot Care
 Diet, Weight Control, Exercise
 Monitoring serum cholesterol and lipid profile
 Diabetes patient support groups

What "Disease Management" looks like for ... **Addiction**

Community-based Sober Living/Residential Support
 Monitoring (non-random drug testing)
 Group Therapy/Cognitive-Behavioral Therapy
 Peer-Based Recovery Support Groups (AA, etc)
 Addictionologist/Addiction Psychiatrist
 Web-based Assessment Tools
 Call centers/Phone counseling
 Occupational/Vocational Assistance

Disease Management

Disease Management is a system of coordinated healthcare interventions and communications for populations with conditions in which patient self-care efforts are significant.

Goal: improving quality of life and reducing healthcare costs for individuals with chronic diseases by preventing or minimizing the effects of the disease through integrative care

Recovery Management

Recovery management is a philosophy of organizing addiction treatment and recovery support services to enhance pre-recovery engagement, recovery initiation, long-term recovery maintenance, and the quality of personal/family life in long-term recovery.

Goal: improving quality of life and reducing healthcare costs for individuals with addiction by preventing or minimizing the effects of the disease through integrative care

What does Recovery Management look like in action?



VMFAT-101 Sharpshooters MCAS EI
Toro, CA



Characteristics of Physician Health Programs

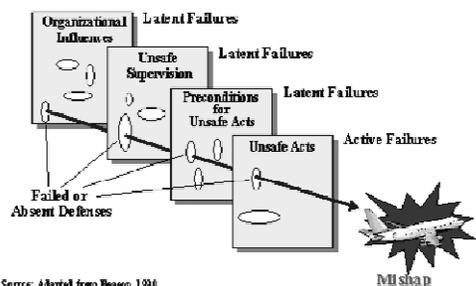
- Self-Reporting ("safe harbor") or Workplace Referral
- Comprehensive Evaluation
- Signed Contract specifying in detail the elements of care and monitoring as well as consequences for non-compliance Contingency Mgmt
- Inpatient Tx for 60-90 days (69%)
- Intensive Outpatient Tx (31%)
- Agonist pharmacotherapy rare (but 1/3 received antidep/antianx Rx)
- Facilitated groups (Caduceus meetings) Monitoring/Prof Norms
- Return to work Professional Norms
- Drug testing (random call-in, approx. four times/month) Monitoring
- Required participation in abstinence-based peer support groups (AA, NA, other) Social Norms
- Monitoring for five years, reporting to board of progress **Monitoring**
- Family, colleague, employer involvement Professional Norms
- Rapid response to relapse, usually clinical reevaluation & intensification of care (but not administrative discharge) **Contingency Mgmt**

(Dumont RL, McLeish AT, Skipper GE. How are physicians treated? A national survey of physician health programs. J Sub Abuse Tx (2009) 37:1-7.

Things we do for pilots & doctors:

- Medical Detoxification
- Inpatient or Residential Treatment
- Aftercare: Immediately after Tx for 3-5 Years
- A.A. Attendance
- Regular testing ("monitoring")
- Return to duty
- Personal physician

The Reason Model and Accident Causal Chain



US Drug War: 1971 - 2011



What did it cost us?

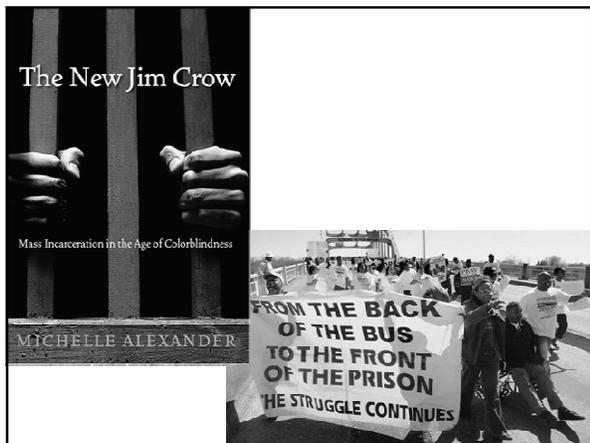
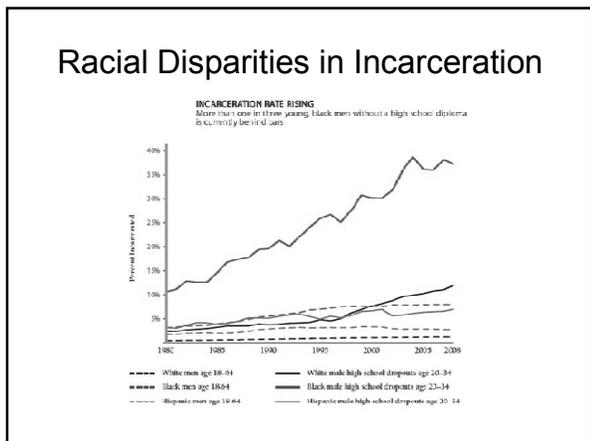
- Mass incarceration
- Worsening of racial inequality
- Increased health disparity
- Criminalization of mental illness
- Large numbers of Americans coping with the long-term sequelae of incarceration
- Moral hazard of historic proportions

“Criminal responsibility is embedded in a context of social & economic disadvantage”

- Black men under 40 years of age
- Poorly educated
- Lack of work preparation
- Mental illness
- Substance use disorder

Two thirds of black male high-school dropouts have a prison record

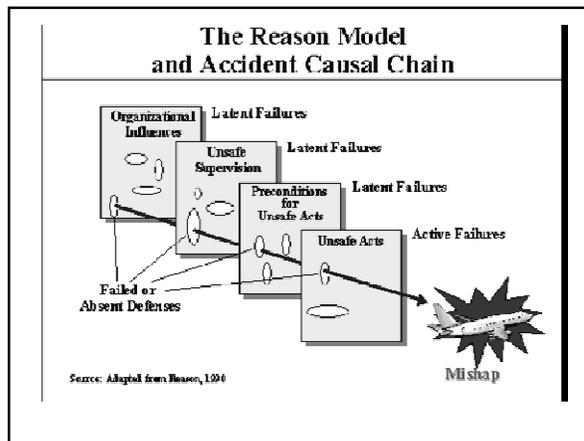
National Research Council. The growth of incarceration in the United States: exploring causes and consequences. National Academies Press, 2012.



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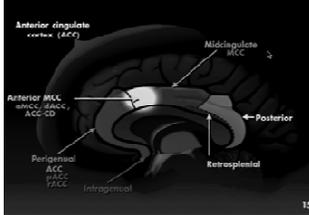
Tom McClellan
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Tips for the First Year of Recovery

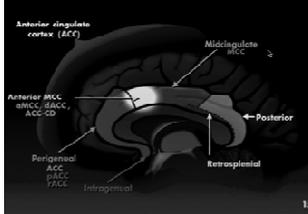
- 1.
- 2.
- 3.
- 4.
- 5.
- 6.
- 7.
- 8.
- 9.
- 10.

Anterior Cingulate Cortex (ACC)



- Works with OFC: decision-making based on reward values
- But also generates new actions based on past rewards/punishments
- Appreciation and valuation of social cues
- MPK active in tasks

damage to Anterior Cingulate Cortex (ACC)



- Just as with OFC damage: causes a loss of a crucial behavioral guidance system
- Inflexibility/Inability to respond to errors in the past with regard to rewards/punishments
- Deficits in social responding due to decreased awareness of social cues

Note to Self:
This is why you are doing this ...

Tips for the First Year of Recovery

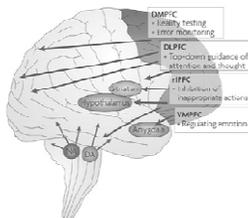
1. Residential Treatment (Inpatient or Residential Day)

Benefits of inpatient care

- Medical detoxification
- Baseline psychiatric evaluation & treatment
- Intensive daily structure
- Solidification of abstinence
- Removal from codependent family/social system
- Incapacitation of use
- Patient "takes it seriously"

Finney et al. Addiction 1996 91(12), 1773-1796

damage to Prefrontal Cortex (PFC)



- FAILURE OF EXECUTIVE FUNCTIONING
- Premature, unduly risky, poorly conceived actions
- Rapid, impulsive responses without reflection or premeditation
- Urgency
- Sensation seeking
- Expressed emotions inappropriate to the situation
- Deficits in attention
- Lack of perseverance
- Insensitivity to consequences



What happens when people leave inpatient treatment?

Treatment Outcome Subgroups

1. Continued, uninterrupted abstinence after D/C

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2. No effect (no interruption of drug use)

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4. Period of recovery, relapse, then stable recovery

Treatment Outcome Subgroups

1. Continued, uninterrupted abstinence after D/C
2. No effect (no interruption of drug use)
3. Early period of recovery, then rapid deterioration
4. Period of recovery, relapse, then stable recovery
5. Precariously balanced between relapse and recovery for 12 – 18 months after D/C (with unclear prognosis)



Tips for the First Year of Recovery

1. Residential Treatment (Inpatient or Residential Day)
2. Immediate Aftercare following Residential Treatment



Recovery Management Checkups (RMCs)

(Dennis & Scott)

Studying effects of on-going monitoring & early re-intervention

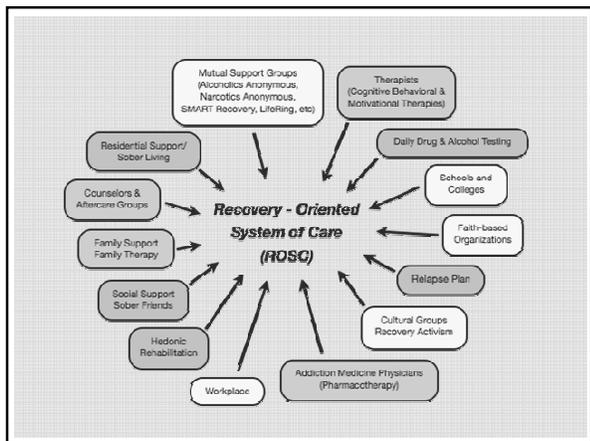
Quarterly Recovery Management “check-ups”

Four year outcomes, 446 subjects

Over controls, RMC participants showed:

- reduced time to readmission (from 45 to 13 mo.)
- greater likelihood of receiving more treatment
- reduced substance use frequency and problems
- more total days abstinent

Dennis ML, Scott CK. Four-year outcomes from the early re-intervention (ERI) experiment using recovery management checkups (RMCs). Drug and Alcohol Dependence 121 (2012) 10-17.



Note to Self:
Don't try to do this alone

Tips for the First Year of Recovery

1. Residential Treatment (Inpatient or Residential Day)
2. Immediate Aftercare following Residential Treatment
3. Sober Living Environment

What is “recovery”?

Betty Ford Consensus Panel (2007)

Recovery is a voluntarily maintained lifestyle characterized by:

1. Sobriety: abstinence from alcohol and non-prescribed drugs
2. Personal Health: improved quality of life for the individual (and their family) composed of defined and measurable physical, psychological, social, and spiritual components
3. Citizenship: living with regard and respect for those around you; working towards the betterment of one's community through participation, volunteer work, and efforts to improve life for all citizens (“giving back”)

What is “sober living”?

- Myriad of names: halfway house, three-quarter house, sober living, extended care, dry house
- Most of these lack clarity and have a variable meaning depending on mission, clientele, regional differences in policies, licensing and funding
- Creates confusion in trying to match appropriate living environment to individual client needs

“Recovery Residence”

A broad term describing a safe, sober, healthy living environment that promotes individual recovery from alcohol and other drugs as well as associated problems.

At a minimum, recovery residences provide peer recovery support and facilitate abstinence-based, long-term recovery.

Recovery residences have published policies on relapse sanctions and re-admission criteria.

Civil Rights Act (1964)



Civil Rights Act (1964)



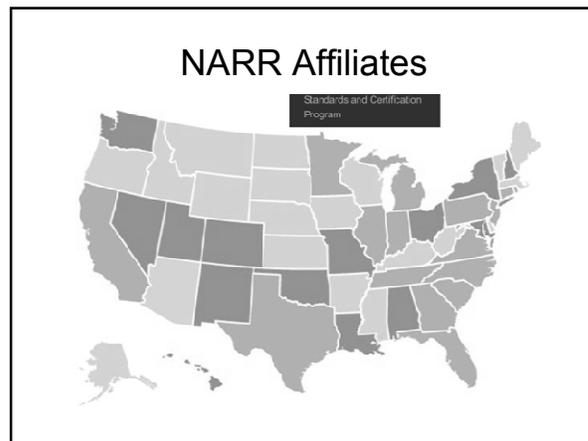
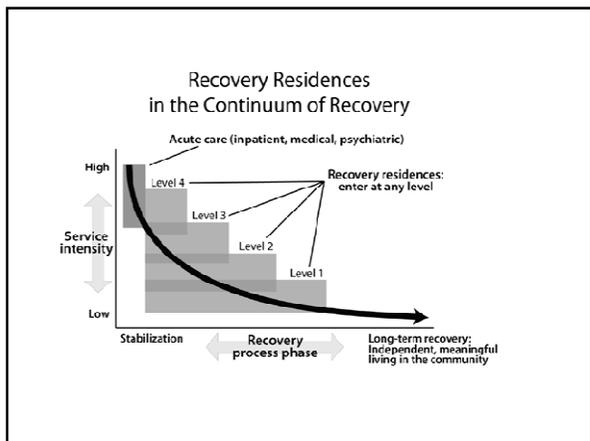
Fair Housing Act of 1968 (FHA) (42 U.S.C. § § 3601-3631)

[aka Title VIII of the Civil Rights Act (1968)]

- Passed by Congress and signed by President Lyndon Johnson one week after the assassination of Martin Luther King, Jr
- Regulates housing-related transactions including advertising, mortgage-lending, homeowner's insurance and zoning
- Designed to protect against/outlaw discrimination and “restrictive covenants” (to refuse to sell to/rent to/negotiate with a person in a protected class)
- Outlawed “blockbusting” – the practice of frightening homeowners by telling them that people in a protected class are moving in and property values will decline as a result
- Judges can award actual damages, equitable relief, and attorney's fees to the prevailing party (but not punitive damages)



The mission of the National Association of Recovery Residences (NARR) is to create, evaluate and improve standards and measures of quality for all levels of recovery residences. NARR provides a forum for exchanging ideas to include developing uniformity of nomenclature for our field, problem solving and advocacy. We assist existing regional associations in their growth, and foster the development of recovery residence associations where none exist. NARR is the national resource for recovery residence providers seeking standards, protocols for ethical practice, training, and state of the art information pertaining to all levels of residential recovery operations.



Le Mont “Agreements”

APPLIED RECOVERY TEN AGREEMENTS

APPROVED ADMISSION DIRECTLY FROM AN IDENTIFIED TREATMENT OR MEDICAL SUPERVISOR, OR OBTAIN A MEDICAL CLEARANCE FROM AN IDENTIFIED MEDICALLY-TRAINED PHYSICIAN.

2. PEER-LED CLINICAL OVERSIGHT PROGRAM OR WEEK APPROVALS MEETING (INDIVIDUALS) ALSO INCLUDE A WEEKLY HOUSE GROUP.

3. RESPECT HOUSE RULES:
- RESIDE IN HOUSE DAILY FROM DINNER ATTENDANCE AND RETURN TO THE HOUSE BY 10:00 PM (OR BY AN ALTERNATE NIGHT AVAILABILITY BY PHONE)

4. ATTEND WEEKLY MEETINGS (AA, NA, OR EQUIVALENT) IN HOUSE AND HOLDINGS (MAYBE) OUTSIDE CITY MEETINGS/IN HOUSE AT EL. CHURCH.

5. PEER-LED RELAPSE PREVENTION EMERGENCY RELAPSE PLAN OF RELAPSE IN HOUSE GROUP FROM 10:00 AM TO 10:00 PM (OR EARLY OR MEDICAL EMERGENCY).

6. TESTING (SERUM) TO BE SUBMITTED BEFORE WORK UNLESS JOB NECESSITATES TESTING IN EVENING.

7. DOCUMENTED ABSENCE OR VOLUNTEER SERVICE OF AT LEAST 4 DAYS PER WEEK AND 30 HOURS PER WEEK.

8. ATTEND AN AFTERNOON MEETING IN HOUSE WHO IS INTERESTED IN EMPLOYMENT FOR THAT OCCASION.

9. TAKE MEDICATION EXACTLY AS DIRECTED (NEVER STOPPING IN HALF, NEVER STOPPING ADMINISTRATION FOR CONTROLLED SUBSTANCES).

10. MANDATORY MEN'S NIGHT OUT HOUSE ACTIVITY ON WEDNESDAY.

1. Foundation in treatment
 - safe admission protocol
2. Clinical oversight/monitoring
3. Sober living environment
4. Peer-based sobriety support
 - Thurs night PC Men's mtg/dinner
5. Relapse contingency plan
6. Daily testing
7. Employment / School
8. ASAM/ABAM Physician
9. Medication (as necessary)
 - safe handling
10. Tues night "Men's Night Out"

MONTE MICHEL
RECOVERY RESIDENCES

APPLIED RECOVERY STATUS REPORT

RESIDENT: _____ DATE: _____ NUMBER: _____

STAFF: _____ CONTACT PHONE: _____

EMERGENCY CONTACT: _____ PHONE NUMBER: _____

APPLIED RECOVERY AGREEMENTS

1. DESIGN/TREATMENT: _____ DURATION: _____

2. AFTERCARE: _____

3. SOBER LIVING: _____

4. PEER-BASED RECOVERY SUPPORT MEETINGS (AA, NA, ETC.):

REPORTED: _____ /WK OBSERVED: _____ /WK AFFILIATION: LOW MED HIGH

5. RELAPSE PROGRAM (NARR/AA/NA): _____

6. TESTING: _____

IDENTIFICATION TESTING: _____

7. EMPLOYMENT/SCHOOL: _____

8. ADDICTION MEDICINE PHYSICIAN: _____

9. MEDICATION: _____

10. MEDICINE REHABILITATION: _____

ADVANTAGES: _____

CHALLENGES: _____

STATUS: _____

PROG DISCHARGE DATE: _____ DISCHARGE PLAN: _____

Population served

- Time Period: 2 years
- Number of Residents: 39 men
- Range of Duration of Stay: 14 to 267 days
- Average Length of Stay: 98.0 days
- Age distribution: x = 28.9, bimodal
- 34.4% stayed longer than originally intended
- 40.6% stayed shorter than originally intended
- 23% re-admission rate (half for relapse, half for relapse prevention)

Performance data:

- Total Delivery: 3619 resident-days
- Days Positive Test: 81 days (2.3%)
- Days Intoxicated: 83 (2.3%)
- Relapsed post-Tx: 48.7%
- Readmit Rate: 23%
- **In contact/Doing well: 46.9%**
- **In contact/improved: 25.0%**

Population served

- Time Period: 4 years
- Number of Residents: 91 men
- Range of Duration of Stay: 14 to 267 days
- Average Length of Stay: 95.0 days
- Age distribution: $x = 29.0$ years
- 30% stayed longer than originally intended
- 45% stayed shorter than originally intended
- 19% re-admission rate (half for relapse, half for relapse prevention)

Performance data:

- Total Delivery: 7,619 resident-days
- Days Positive Test: 137 days (1.8%)
- Days Intoxicated: 149 (2.0%)
- Relapsed post-Tx: 49%
- Readmit Rate: 19%
- **In contact/Doing well: 35%**
- **In contact/improved: 30%**

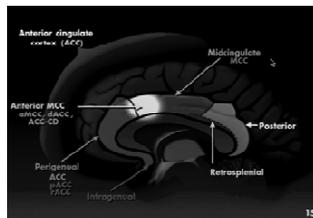
Note to Self:
Where you live
matters

Tips for the First Year of Recovery

1. Residential Treatment (Inpatient or Residential Day)
2. Immediate Aftercare following Residential Treatment
3. Sober Living Environment
4. Ninety A.A. meetings in ninety days (90x90)



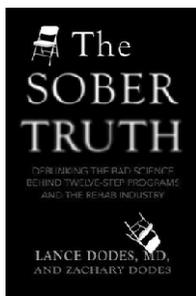
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- Just as with OFC damage: causes a loss of a crucial behavioral guidance system
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- Deficits in social responding due to decreased awareness of social cues

Note to Self:
Who your friends are matters

Lance Dodes, MD



Lance Dodes, MD

- AA doesn't work
- No evidence to support AA
- "Surrender" and "powerless" concepts are harmful
- People with SUD have "character defects"
- Denial is the central feature of addiction
- SUD is a symptom of underlying, unresolved emotional problems
- Individual counseling is the best treatment

Does A. A. work?

- A.A. confers short- and long-term therapeutic benefits on a par with professional interventions
- A.A. decreases health-care costs
- A.A. improves treatment outcomes
- A.A. attendance during the first three months of sobriety was associated with recovery-related benefits one year later over and above treatment effects.

Kelly JF, Hoepfner B, Stout RL, Pagano M (2011). Determining the relative importance of the mechanisms of behavior change within Alcoholics Anonymous: a multiple mediator analysis. *Addiction*, 107, 289-299.

AA, abstinence and anger

- AA singles out anger as a high-risk emotion for relapse
- "If we were to live, we had to be free of anger." (p. 66, B.B of A.A.)
- Detailed, column-based worksheet to help document, analyze, and remediate anger
- Increased anger = increased drinking intensity
- AA attendance, alcohol abstinence, and anger are ... UNRELATED

Kelly JF, Stout RL, Tonigan JS, Magill M (2010) Negative affect, relapse, and Alcoholics Anonymous (A.A.): does A.A. work by reducing anger? *Journal of Studies on Alcohol and Drugs*.

AA Mediating Variables

1. Depression (decreased)
2. Spirituality
3. Self-efficacy in coping with negative affect
4. Self-efficacy in coping with high-risk social situations
5. Social network: number of pro-abstinence members
6. Social network: number of pro-drinking members

AA: using NON - Rational Concepts

- **TRIBE** (“the fellowship of alcoholics”)
- **MYTH** (Bill’s Story, etc.)
- **RITUAL** (“what it was like, what happened, and...”)
- **FAITH** (“Keep coming back, it works”)
- **HOPE** (The Promises)
- **ACCEPTANCE** (“...the answer to all my problems”)

Tips for the First Year of Recovery

1. Residential Treatment (Inpatient or Residential Day)
2. Immediate Aftercare following Residential Treatment
3. Sober Living Environment
4. Ninety A.A. meetings in ninety days (90x90)
5. Automatic Relapse Plan

Note to Self:
Plan for relapse

Relapse Plan

- “DO NOT PANIC!”
- Have an Automatic Relapse Plan
(previously agreed upon/no discussion)
- Detox (incapacitation)
- Return to Treatment (residential vs. outpatient)
- Review Testing Protocol
- Validate success

Characteristics of Physician Health Programs

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(DiPont RL, McLellan AT, Skipper GE. How are physicians treated? A national survey of physician health programs. J Sub Abuse Tx (2009) 37:1-7.

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4. Ninety A.A. meetings in ninety days (90x90)
5. Automatic Relapse Plan
6. Testing

Note to Self:
Build a paper trail.



a good testing bathroom



Immunoassay & Breathalyser
 •daily screening tests

Two Kinds of Tests in Addiction Medicine

SCREENING Tests

Immunoassay
 Very sensitive
 Not very specific
 Not an insignificant false positive rate

CONFIRMATION Tests

GC/MS
 Very, very specific
 Not very sensitive
 Forensic standard

LC/MS/MS Confirmation



- ### Tips for the First Year of Recovery
1. Residential Treatment (Inpatient or Residential Day)
 2. Immediate Aftercare following Residential Treatment
 3. Sober Living Environment
 4. Ninety A.A. meetings in ninety days (90x90)
 5. Automatic Relapse Plan
 6. Testing
 7. Rapid but Gradual Return to Duty
 8. Addictionologist



- ### Addictionologists
- Certified by the American Society of Addiction Medicine
 - Understand the special needs of recovering patients
 - Not likely to make stupid mistakes
 - Doctors who LIKE addicts, Offices that are safe places
 - www.asam.org www.abam.net
 - www.csam-asam.org

ASAM The Voice of Addiction Medicine
American Society of Addiction Medicine

CALL FOR ABSTRACTS
Submit proposals for workshops, courses, component sessions, posters and posters by October 15 (EXTENDED)

45th Annual Meeting
Orlando, FL
April 10-13, 2014

45th Annual Medical Scientific Conference
Innovation and Integration: Strategies for Addiction Medicine

NEWS
11th Meeting of the National Advisory Council on Drug Abuse at NIDA
Last Wednesday, September 4,

RESOURCES
The ASAM Criteria
The most widely used and comprehensive set of guidelines for placement, treatment, and discharge of patients with

EDUCATION
ASAM Call for Abstracts Open Now Until October 15th (EXTENDED)
Submit your abstract now for the 45th Annual Medical Scientific Conference. April 10-13, 2014 at

American Board of Addiction Medicine
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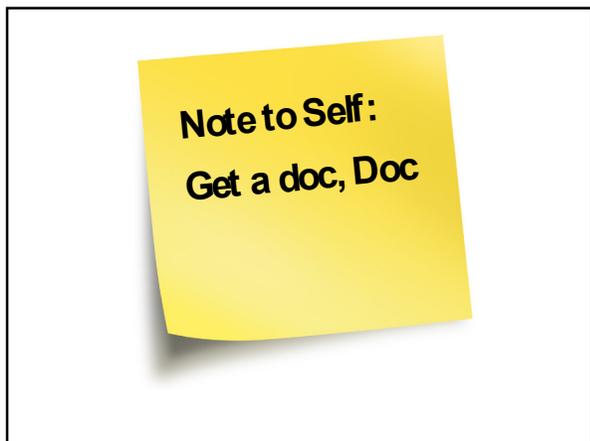
Publications
Science, Skill, and Compassion
Quality Healthcare, Public Trust, and Setting the Standards in Addiction Medicine
The American Board of Addiction Medicine provides expertise to the American public that addiction medicine professionals have the knowledge and skills to prevent, diagnose and treat addiction.

Physician Verification
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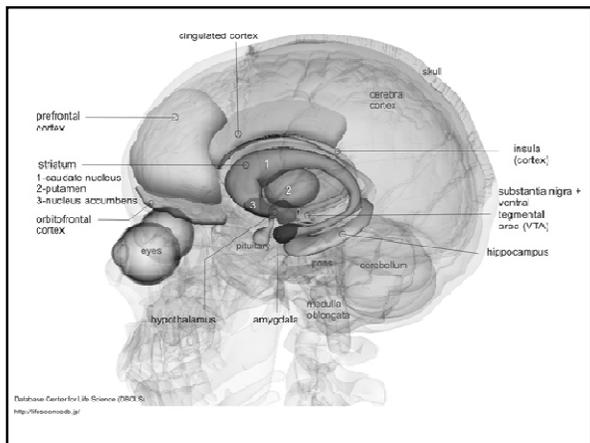
What's New

ABAM Fellowship, New 4th & New Residency Training Requirements for U.S. Doctors
New Maintenance of Certification Requirements
ABAM Certification (Thank ABAM association & ...)

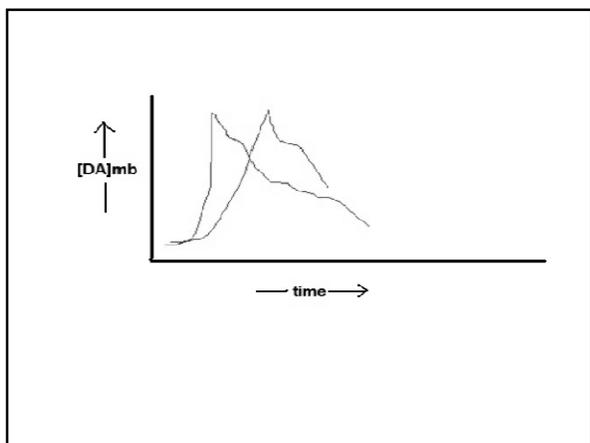
Certified by the American Board of Addiction



- ### Tips for the First Year of Recovery
1. Residential Treatment (Inpatient or Residential Day)
 2. Immediate Aftercare following Residential Treatment
 3. Sober Living Environment
 4. Ninety A.A. meetings in ninety days (90x90)
 5. Automatic Relapse Plan
 6. Testing
 7. Rapid but Gradual Return to Duty
 8. Addictionologist
 9. Medication

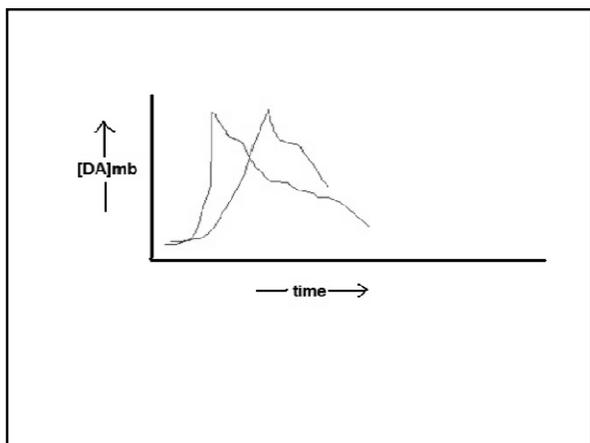
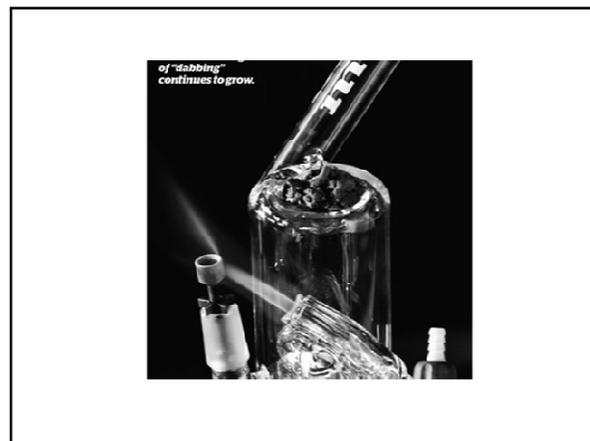
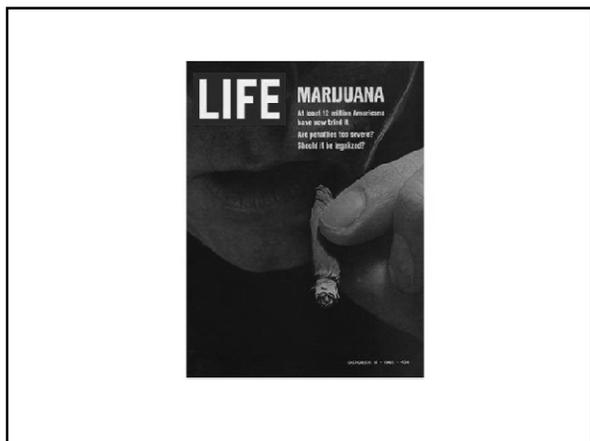


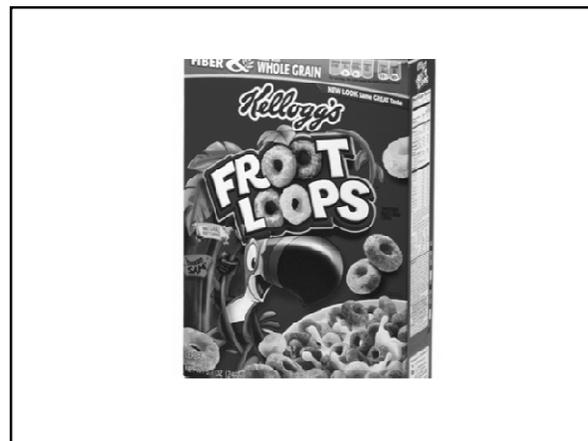
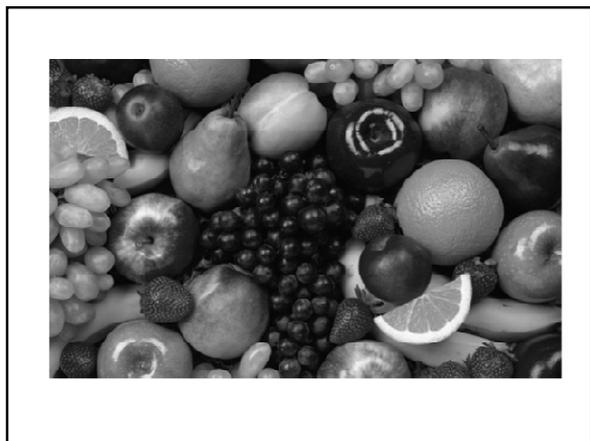
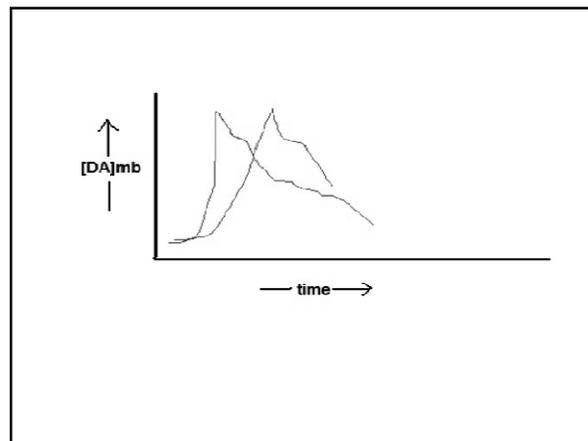
- ### The Full Spectrum of Addiction
- Alcohol & Sedative/Hypnotics
 - Opiates/Opioids
 - Cocaine
 - Amphetamines
 - Entactogens (MDMA)
 - Entheogens/Hallucinogens
 - Dissociants (PCP, Ketamine)
 - Cannabinoids
 - Inhalants
 - Nicotine
 - Caffeine
 - Anabolic-Androgenic
 - Food (Bulimia & Binge Eating)
 - Sex
 - Relationships
 - Other People ("Codependency," Control)
 - Gambling
 - Cults
 - Performance ("Work-aholism")
 - Collection/Accumulation ("Shop-aholism")
 - Rage/Violence
 - Media/Entertainment



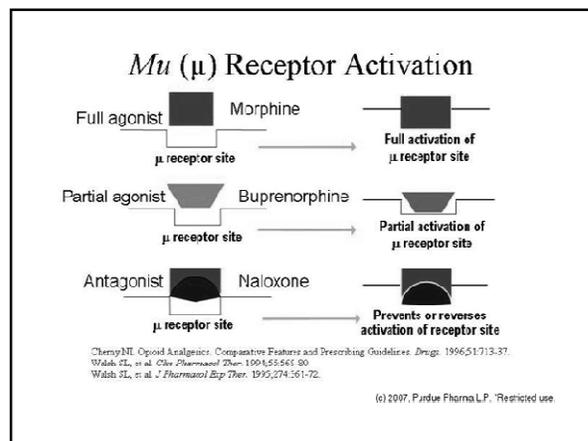
Periodic Table of the Intoxicants

																C												
																Cl	N											
Al											Id	Ab	Ms	Ps	Zc	Dp	Dt	L										
Ni	Co	Hs	Sp													Ep	Mo	Fi	Ri	Kh	Ba	X	A	Me				
Pc	K	No	Dx	Sa													Cz	Oz	Tz	Lz	Rz	Dz	Hz	Kz	Xz			
Ly	Sm	Am	So	Lu	Ch	G	Q	Pb	Sb	Fb	M	H	Ko	Di	Op	Md	Fe	Ca										
Bu	Na	St	Ul	Kr	Tw	Dv	O	Co	Vi	Ox	Dmi	Ts	Ds	Ns	Ss	Oa	As	Fa	Hs									
Or	Pr	Ac	An	Os	Cl	It	Pe																					
																F				Sx	Ri	Cu	Gl	Cu	Pf	Sh	Rg	Mi





Note to Self:
You need to quit



Extended-release Naltrexone (NTX)

- Federally approved for the treatment of alcohol dependence since 2006
- Federally approved for the treatment of opioid dependence since 2010
- No diversion or abuse potential
- Not a controlled substance

Naltrexone depot

Extended-release injectable suspension of a Mu-opioid receptor antagonist (blocker) to ...

1. prevent relapse to opioid dependence after detox
2. treat alcohol dependence

Administered monthly
To be effective, must be used with recovery programs or counseling

New Roads RTC as of today (27AUG)

- 37 individuals
- 26/37 with DOC of RxOpioids/Heroin 70%
- 14/37 with DOC of IV Heroin 40%
- 5/37 with DOC of EtOH 14%
- 4/37 with DOC of "other" 11%
- 2/37 with little/no SUD Hx

Risks

Physicians have an obligation to educate patients who are treated with naltrexone-containing products about mortality risks that exist during and after leaving treatment for opioid dependence.

Behavioral health providers may play a role in reminding patients of these risks.

It is recommended that providers and patients develop a relapse prevention plan that includes strategies to decrease the risks if relapse occurs.

(SAMHSA)

Risks

- Precipitation of severe withdrawal symptoms
- Accidental overdose & Overdose-related deaths in those who:
 - used opioids at or near the end of the 1-month dosing interval
 - used opioids after missing a dose of depot

naltrexone

Adverse Effects

- Injection site reactions: pain, hardness, swelling, blisters, abscesses, tissue necrosis
- Hepatotoxicity: abnormal liver enzyme levels
- Symptoms of "cold"
- Insomnia
- Toothache

Reversal in emergencies

- Difficult
- Recommend delaying elective surgeries, or using regional or non-opioid analgesia
- Can reverse naltrexone blockade with higher doses of opioid, but risk of respiratory depression
- Suggest wearing medical alert jewelry or carrying a disclosure card

People most likely to benefit

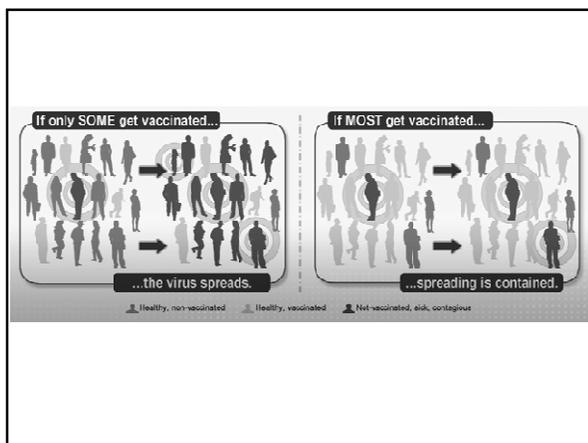
- Hard to determine/no definitive research available, but ...
- People at high risk for relapse after detox
- People under high stress
- People with a shorter or less severe history of dependence
- People who need to demonstrate to overseeing authorities that their risk of use is low
- People who have not had success with methadone or buprenorphine, or those want to stop agonist therapy
- People with a high level of motivation for abstinence
- Adolescents or young adults who cannot obtain agonist treatment

New Roads AMA Discharge Prevention Committee

- Three main reasons for AMA treatment departures
 1. Severe craving + means to depart treatment
 2. Peer-related discharge (inside or outside facility)
 3. Parental assistance (usually following pt demands)
- Concern that opioid use among precipitously departing N/R clients could result in dangerous or fatal overdose
- Concern for “contagious” nature of AMA departure/relapse
- Strong advisory from SAMHSA of benefits of depot injection of extended-release naltrexone (NTX) for

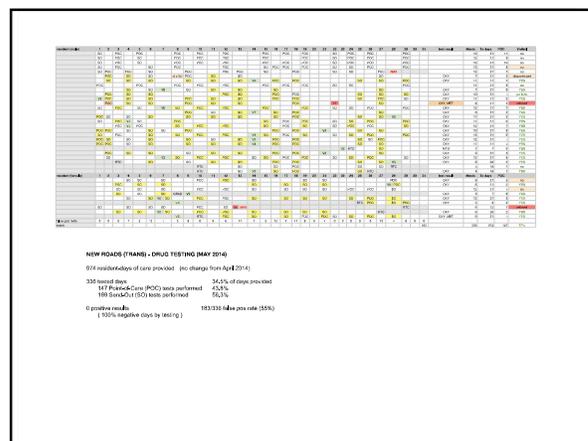
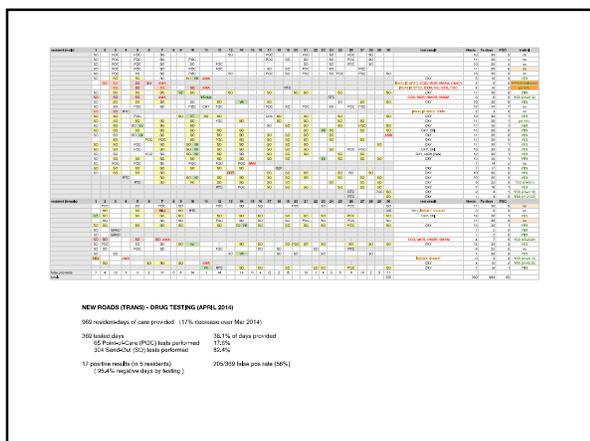
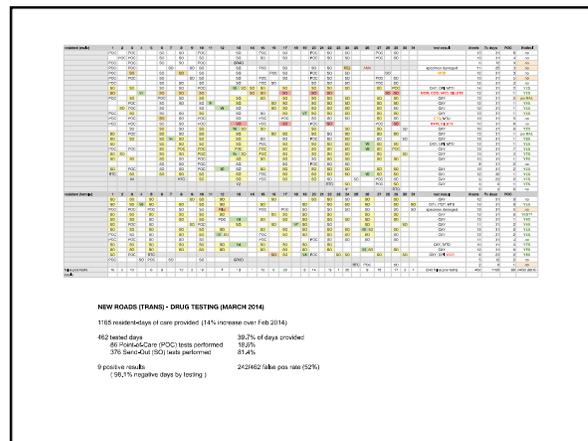
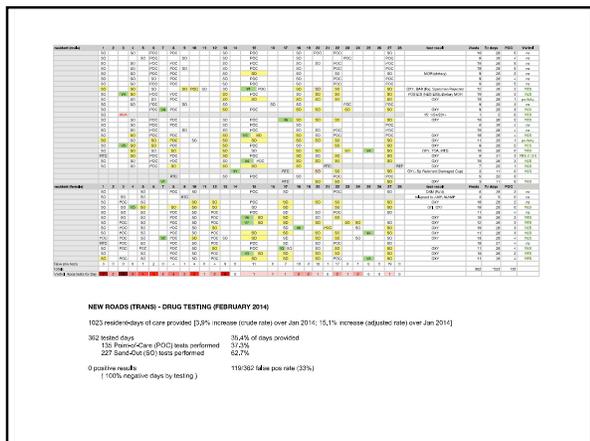
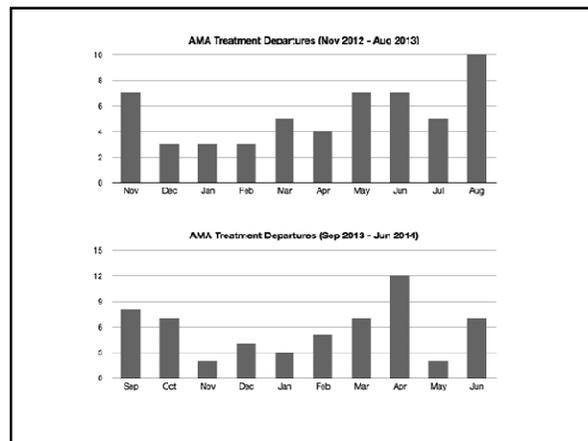
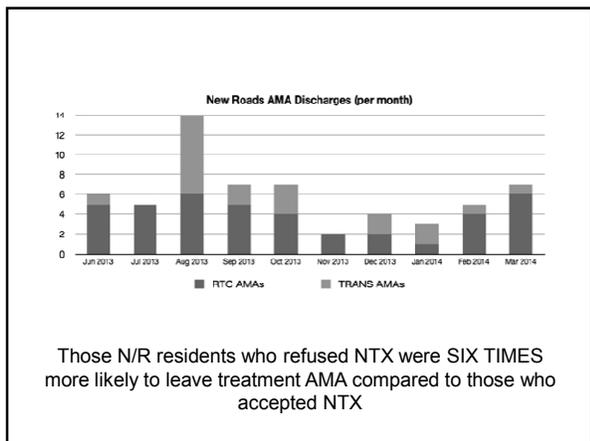
“Herd” Immunity

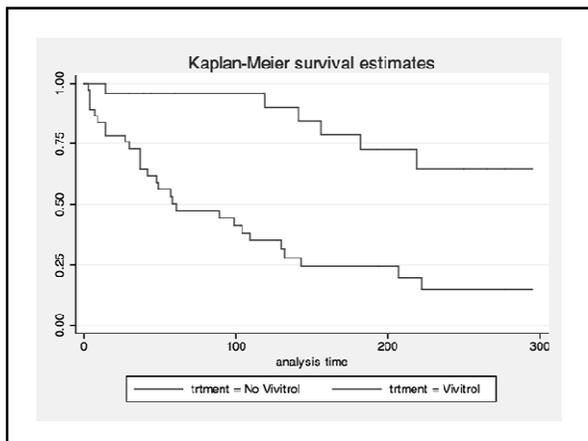
- Indirect protection from an “infection” of susceptible members of a population, and the protection of the population as a whole, which is brought about by the presence of immune individuals



New Roads NTX Policy

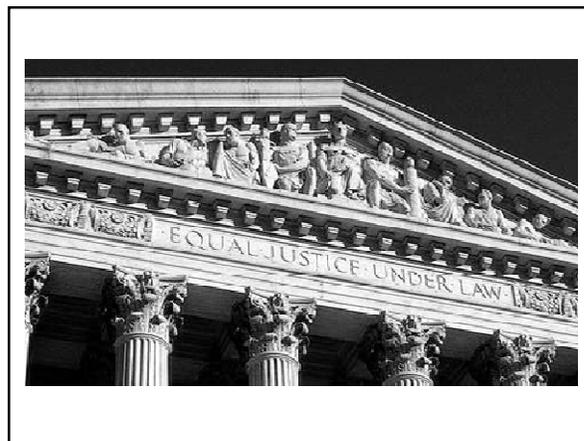
- Explain what “right of informed consent is to all N/R clients”
- Educate N/R clients on benefits and risks of NTX; encourage questions and open discussion
- N/R Medical Director will review each patient’s medical history to assess eligibility for NTX and provide counseling
- Offer similar NTX education to parents and referents
- Offer NTX to all eligible N/R clients with Alcohol and Opioid Use Disorders on arrival at RTC and following seven to ten day abstinence from opioids
- Facilitate insurance payment for NTX; For those N/R clients unable the out-of-pocket cost of NTX, N/R will pay for monthly placement of NTX
- Continue to advocate for placement of NTX throughout the RTC stay
- Require NTX placement in all eligible clients entering the TRANS Program
- Facilitate placement at an appropriate equivalent TRANS Program





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7. Rapid but Gradual Return to Duty
8. Addictionologist
9. Medication
10. Fun! (Hedonic Rehabilitation/Pleasure)



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