

# Medication Assisted Treatment:

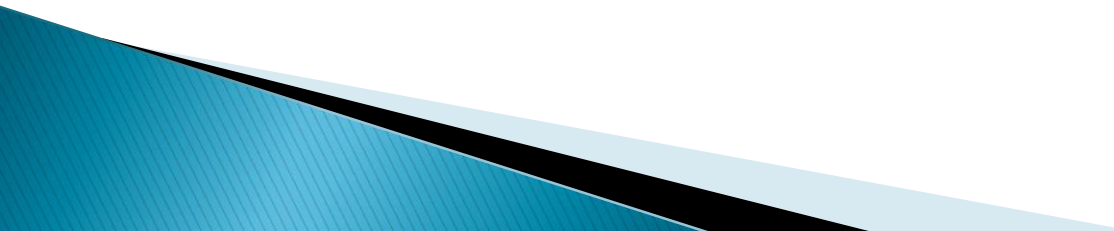
## “Getting it Right”

Deborah Acker RN, CFN  
Nurse Service Administrator  
Division of Protection and Permanency  
Department for Community Based Services

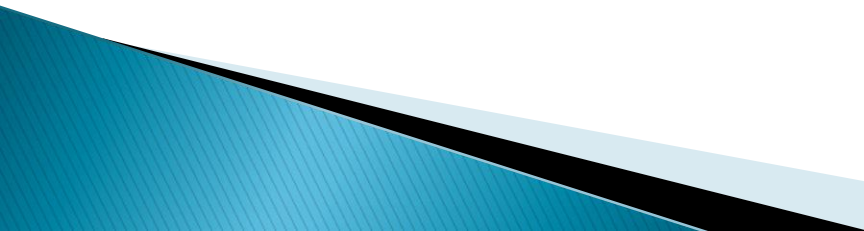
Mark Fisher  
Program Administrator  
State Opioid Treatment Administrator  
Kentucky Division of Behavioral Health

Jeanne Keen, MS, RN, CADC  
Program Administrator  
Family Violence Prevention Branch  
Department for Community Based Services

# Welcome and Housekeeping

- ▶ We're glad you are here!
  - ▶ Agenda for the Day
  - ▶ Breaks
  - ▶ Lunch
  - ▶ Q&A and note cards
  - ▶ Phones
- 

# Objectives

- ▶ Learn about the history of opioid addiction and discuss what is happening today in Kentucky
  - ▶ Learn about the disease of addiction and its treatment
  - ▶ Understand Kentucky's Medication Assisted Treatment programs
  - ▶ Discuss the medications available to treat opioid addiction
  - ▶ Understand the risks and benefits of utilizing these medications during pregnancy
  - ▶ Learn about Neonatal Abstinence Syndrome
- 

# Medication Assisted Treatment: The History of OPIOID Addiction and Treatment

**Jeanne Keen, MS, RN, CADC**

*DCBS/Family Violence Prevention Branch*

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terminated  
a specified  
**addiction.** I  
substance  
narcotic  
emotion





# History of Opiate Use and Abuse







# Harvest Time





# Scoring



# Raw Opium



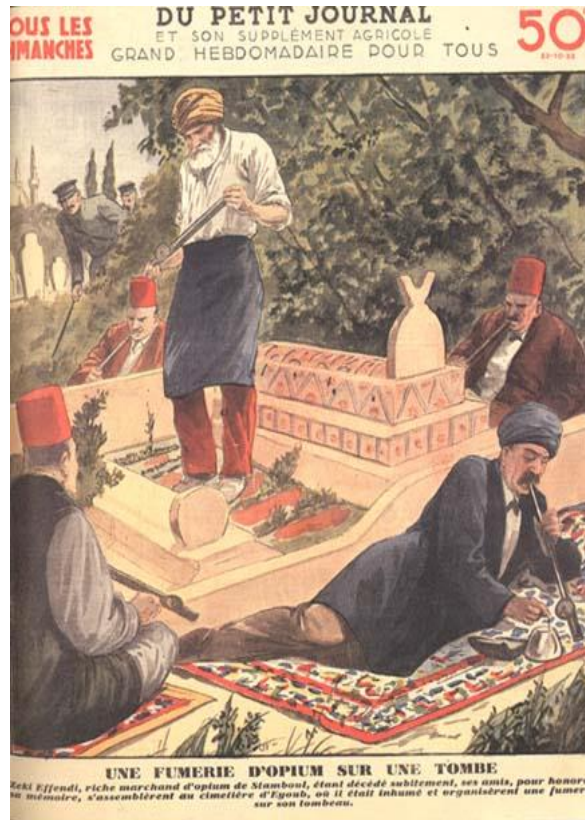
# Modern Poppy Harvesting







# Opium Dens





# Belly up to the bar, boys?







**Joy to the world!**

# Morphine



# 1887 Ad for the opiate morphine



Mrs. Winslow's Soothing Syrup

**Mrs. Winslow's Soothing Syrup** was an indispensable aid to mothers and child-care workers. Containing one grain (65 mg) of morphine per fluid ounce, it effectively quieted restless infants and small children. It probably also helped mothers relax after a hard day's work. The company used various media to promote their product, including recipe books, calendars, and trade cards such as the one shown here from 1887 (A calendar is on the reverse side.).





# Codeine



# Heroin





**COUGH**

The Salt of Clinical Experiment Dargest Glyco-Heroin (Smith) as a Respiratory Sedative Superior to All Preparations of Opium, Morphine, Codeine and Other Narcotics and without the usual or depressing effects which characterize the latter when given in doses sufficient to relieve the irritation of the bronchial, tracheal and laryngeal mucous membranes.

**THE PROBLEM**  
of obtaining relief is proved done in such a way as will give the maximum relief of the drug, but easy, and will not excite the habit of the most voracious child or the most sensitive adult.

**HAS BEEN SOLVED BY**  
the pharmaceutical compound known as

**GLYCO-HEROIN (Smith)**

The results attained with Glyco-Heroin (Smith) in the alleviation and cure of cough are attested by numerous clinical studies that have appeared in the medical journals within the past few years.

Scientifically Compounded, Scientifically Conceived, GLYCO-HEROIN (SMITH) simply stands upon its merits before the profession, ready to prove its efficacy to all who are interested in advancements in the art of

The problem of cough has been solved by using Heroin syrup!













# The Lexington, KY Narcotic Farm





# Hospital or Prison?



# Meanwhile in Germany.....

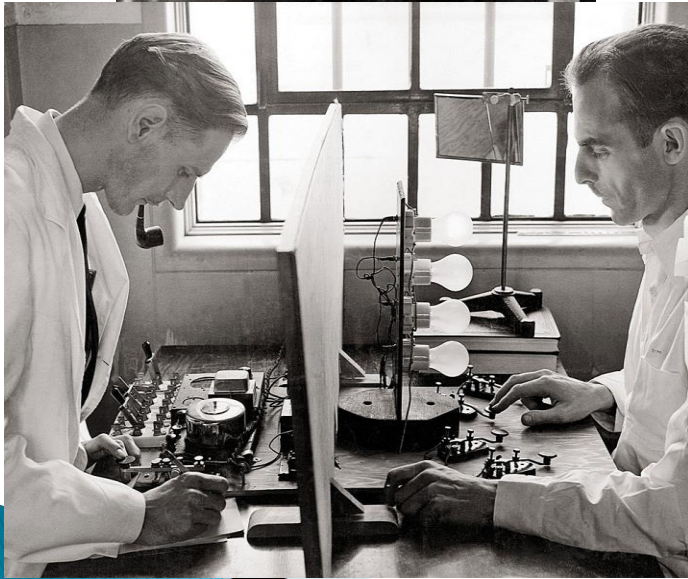


# Dole and Nyswander



Marie Nyswander, 1919–1986





# Dole/Nyswander Hypothesis:

Heroin (opiate) addiction is a disease - a "metabolic disease" of the brain with resultant behaviors of "drug hunger" and drug self-administration, despite negative consequences to self and others.

Heroin addiction is not simply a criminal behavior or due alone to antisocial personality or some other personality disorder.



**DRUG ADDICTION IS A COMPLEX ILLNESS**



# Addiction is a brain disease

- ▶ Chronic
- ▶ Relapse may occur
- ▶ Progressive
- ▶ Causes compulsive drug seeking
- ▶ Causes use despite harmful consequences
- ▶ Changes the structure and function of the brain
- ▶ Can be fatal if left untreated.



# Choice?

- ▶ Initial decision to drink or use is voluntary
- ▶ Over time, changes in the brain caused by repeated use can impact
  - self-control
  - ability to make sound decisions
  - PLUS, causes intense cravings
- ▶ People who abuse drugs can stop more easily, but they may not think they have a problem!
- ▶ People with addiction can desire to stop, but it is hard work, and, just like in other diseases, some are not successful

**“They just need to stop partying and fly right”**

**becomes**

**“They have the disease of addiction. How can we reach them through this disease and support them to overcome it??”**







*When you  
change the  
way you look  
at things, the  
things you  
look at  
change....*

# Treating Addiction

- ▶ Detoxification
- ▶ Counseling – inpatient and outpatient
  - Individual
  - Family
  - Group
- ▶ Self-Help
- ▶ Pharmacological



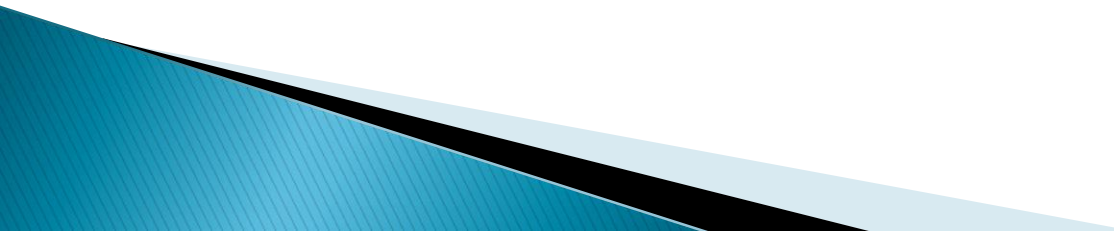


# Goals for Medication to Treat Addiction:

- Prevent withdrawal symptoms
- Reduce drug craving
- Normalize any physiological functions disrupted by drug use

# And in 1972...

Methadone Maintenance is approved by the US FDA for treatment of heroin *addiction* because an efficient oral dose of methadone given once daily to a heroin addicted person effectively prevents opiate withdrawal and associated cognitive and behavioral problems



# Methadone Maintenance

## The Gold Standard





# The Opiate Boom!



# Prescription Drug Abuse



- ▶ Abuse of synthetic opiates causes more deaths than heroin and cocaine combined.
- ▶ In 1991 there were 40 million prescription world wide and by 2007 the number rose to 180 million.
- ▶ Emergency Room visits rose 153 percent from 1995 to 2012.
- ▶ About 1 in 5 teens has used opiates to get high.
- ▶ 2,500 teens abuses prescription drugs for the first time each day.
- ▶ Deaths from opiate use increased by 160% from 1999 to 2004.
- ▶ Experts predict that abuse of prescription drugs will increase by 190 percent by 2020.
- ▶ Young adults 18–25 show the most increase in opiate abuse.



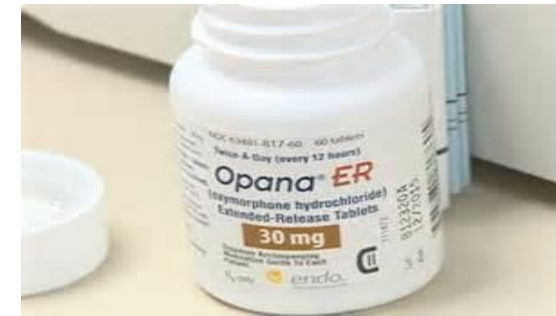


Oxycodone

Oxymorphone



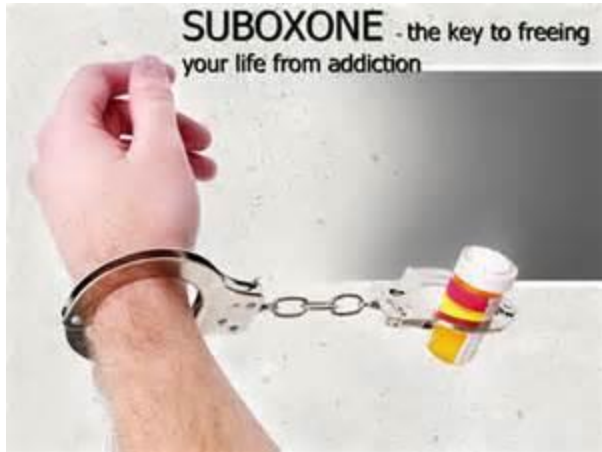
Hydrocodone





# Subutex/Suboxone (2000)





## Painkiller & Heroin Addiction.

Chances are, you know someone who needs help.

Learn about buprenorphine - the treatment for opioid addiction available in the privacy of a physician's office - at

**FeelNormal.org**

JAMES SCHALLER, M.D.

# SUBOXONE

TAKE BACK YOUR LIFE FROM PAIN MEDICATIONS!

**Painkiller Addiction**  
Do you know someone who needs help?  
[FeelNormalAgain.org](http://FeelNormalAgain.org)

Learn about buprenorphine - the treatment for opioid addiction available in the privacy of a physician's office.

Detroit People Mover ad

**Painkiller Addiction.**  
Chances are, you know someone who needs help.  
[naabtc.org/pa](http://naabtc.org/pa)

Philadelphia Subway Ad

**Painkiller Addiction**  
Do you know someone who needs help?  
[FeelNormal.org](http://FeelNormal.org)

Learn about buprenorphine - the treatment for opioid addiction available in the privacy of a physician's office.

New York City Subway Ad

## SUBOXONE

SEE A SUBOXONE DOCTOR TODAY!

**STRUGGLING WITH OPIATE OR PAINKILLER DEPENDENCY? WE WILL HELP!**

ONE CARE MEDICAL CENTER  
**CALL US: 1-877-54-MYDOC**  
**(1-877-546-9362)**

1125 East 17th Street  
 Suite W-130  
 Santa Ana, CA 92701  
 Orange County, California

FOR MORE INFORMATION  
 visit our website at  
[www.OneCareMedicalCenter.com](http://www.OneCareMedicalCenter.com)  
 or give us a call 24/7



Frank Klagen and Challenger  
[cligan.com](http://cligan.com)



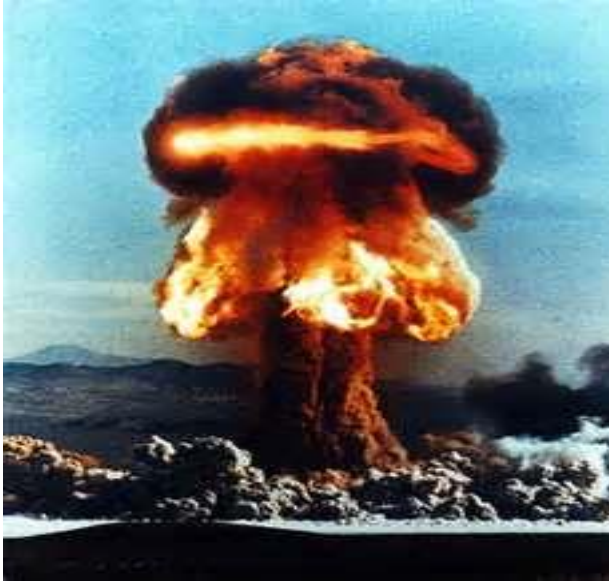




# KY Legislators respond to Crisis in 2012 – House Bill 4

- ▶ KASPER Reports
- ▶ Increased Regulations for Pain Clinics

# And Now the HEROIN BOOM!

- ▶ Seizures of heroin are up 6,688 percent
  - ▶ LMPD blames 80 percent of burglaries and thefts on heroin addicts
  - ▶ JADAC – 90 percent of calls are heroin related
  - ▶ 6,492 Heroin overdoses in 2012 (state wide)
- 
- ▶ 143 people died from heroin overdose in Louisville in 2012 compared to 22 in 2011.

# The Boom continues.....

- ▶ Attorney General Conway stated that overdoses have increased 650 percent from last year.
- ▶ There have been 1600 heroin trafficking charges issued in Louisville.
- ▶ In 2013, there were 639 over dose deaths. 36% of those deaths were caused by heroin.
- ▶ 451 samples of heroin were confiscated in 2011 while 2,382 samples were found in the first nine months of 2013 in Louisville.
- ▶ A person dies every 36 minutes in the U.S. from a heroin overdose.



# Legislators Respond in 2013

How You Can Help

## SENATE BILL 38

**FACT:**

San Francisco saw a reduction in heroin deaths from over 150 to 10 per year after distributing Naloxone.



Naloxone - Home stretch

Summary of what has happened:

# Naloxone (Narcan)



# Legislators Respond in 2014

- ▶ Medicaid Expansion – will now cover substance use disorder treatment





# What's New....



Original Tablet

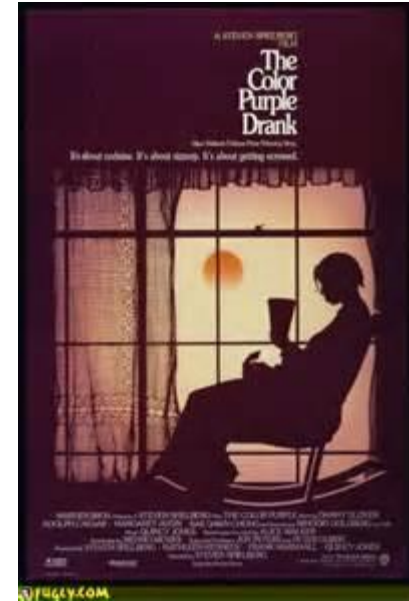


Reformulated Tablet



Source: Cone et al. Alcohol Drug Addiction 2013

# Purple Drank



# Aint seen nothin' yet...

Krocodil is coming.....





# What's in it?

- ▶ Codeine
- ▶ Iodine
- ▶ red phosphorous
- ▶ gasoline
- ▶ paint thinner
- ▶ hydrochloric acid

