

The Opioid Epidemic Swinging the Pendulum.....

Colleen T. LaBelle, MSN, RN-BC, CARN

Nurse Manager, Office-Based Addiction Treatment

Director, STATE OBAT, Mass Department Public Health

Executive Director, MA International Nurses Society on

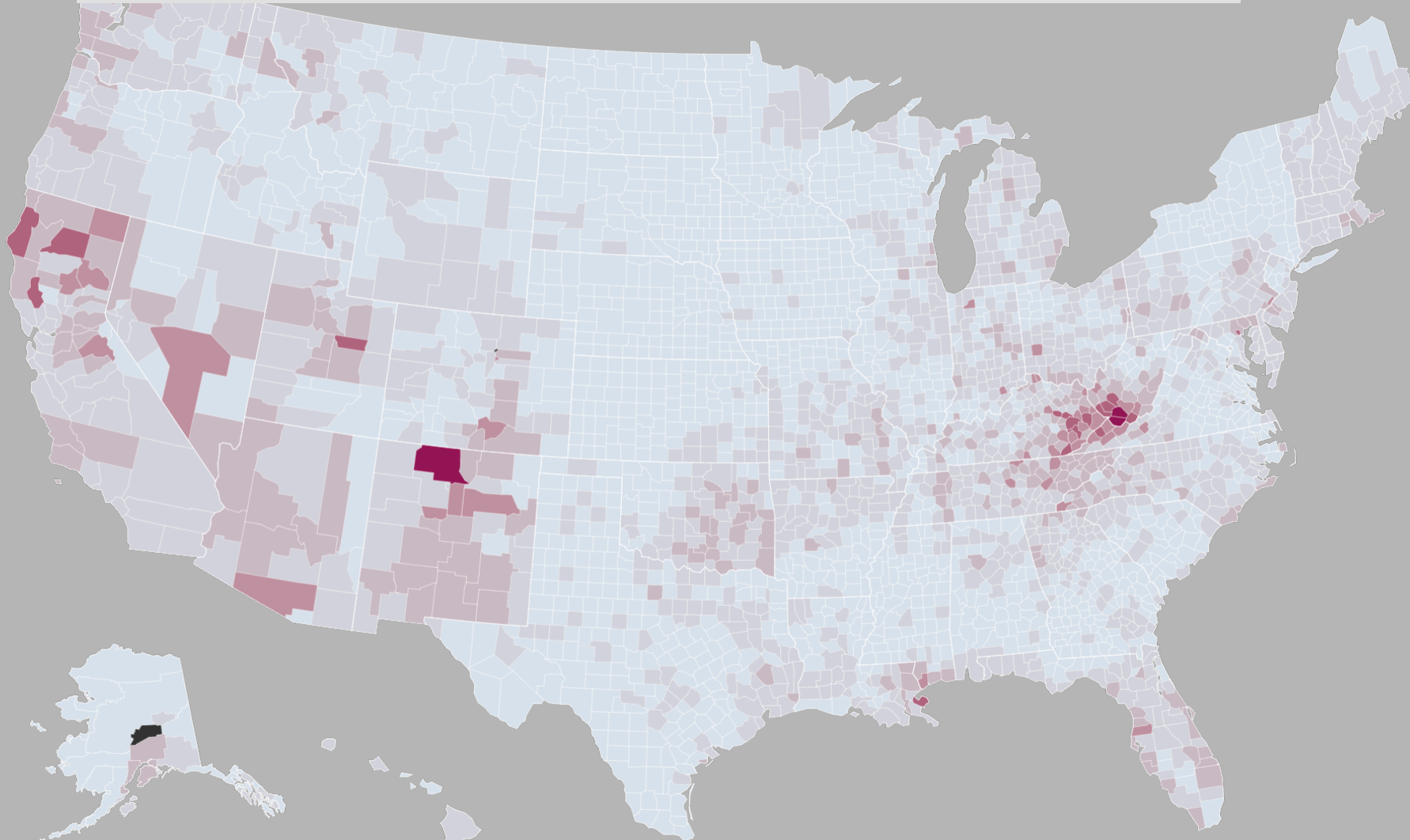
Addictions



THE ADDICTION CRISIS

Overdose Deaths per 100,000

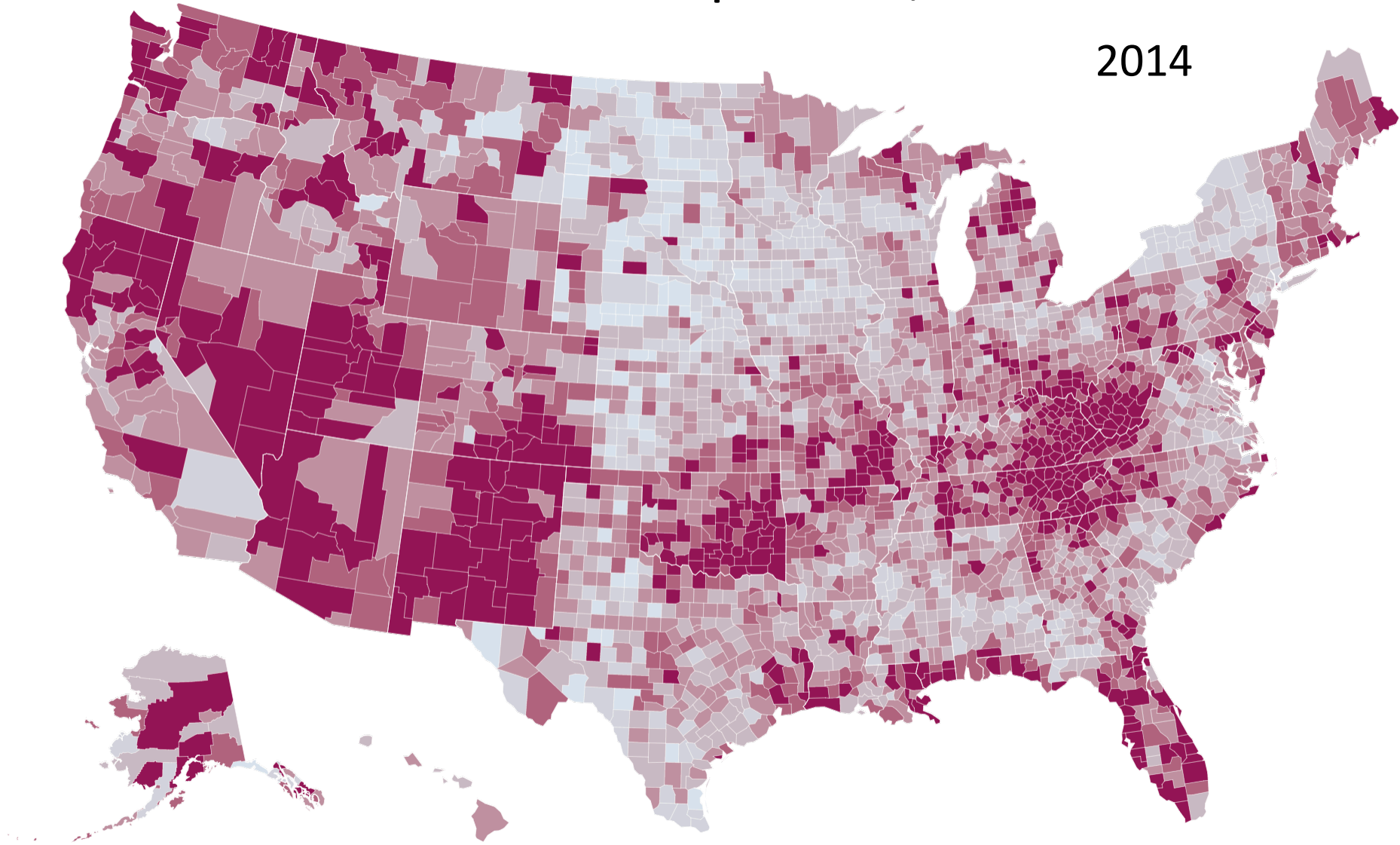
1999



Centers for Disease Control and Prevention and the National
Center for Health Statistics

Overdose Deaths per 100,000

2014



Centers for Disease Control and Prevention and the National Center for Health Statistics

The Addiction Crisis

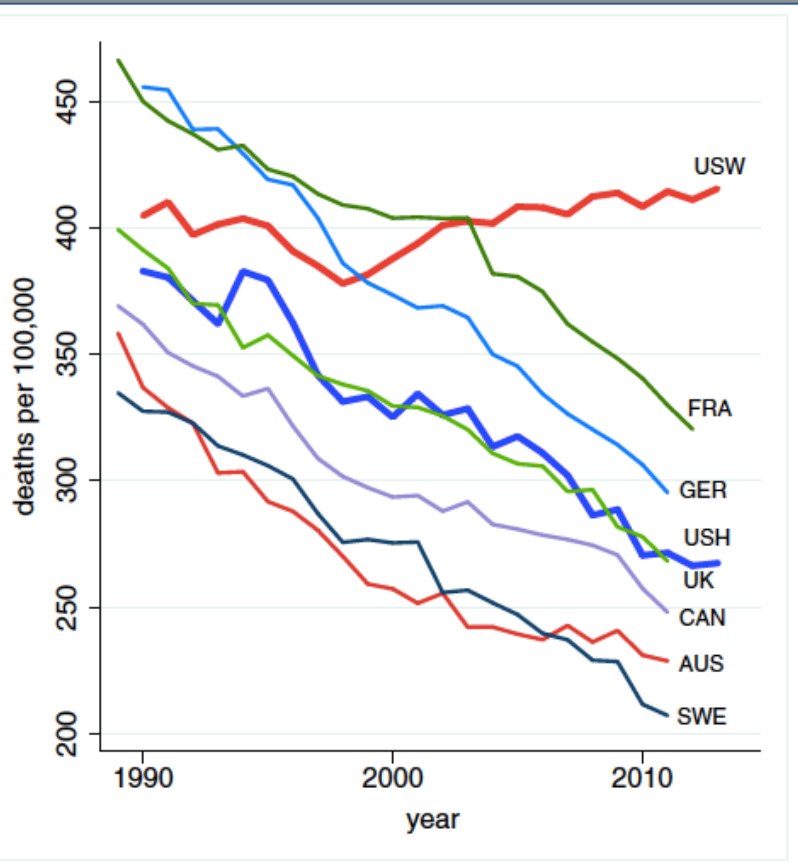
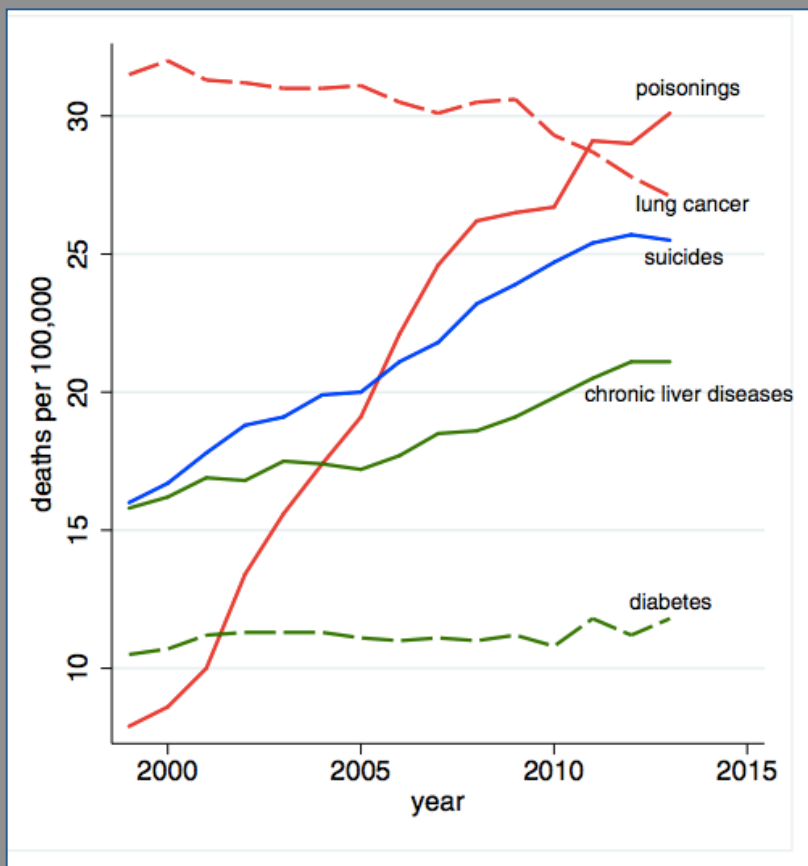


Fig. 1. All-cause mortality, ages 45–54 for US White non-Hispanics (USW), US Hispanics (USH), and six comparison countries: France (FRA), Germany (GER), the United Kingdom (UK), Canada (CAN), Australia (AUS), and Sweden (SWE).



...panics ages 45–54.

PNAS

Rising morbidity and mortality in midlife among white non-Hispanic Americans in the 21st century

Anne Case¹ and Angus Deaton¹

Woodrow Wilson School of Public and International Affairs and Department of Economics, Princeton University, Princeton, NJ 08544

Contributed by Angus Deaton, September 17, 2015 (sent for review August 22, 2015; reviewed by David Cutler, Jon Skinner, and David Weir)

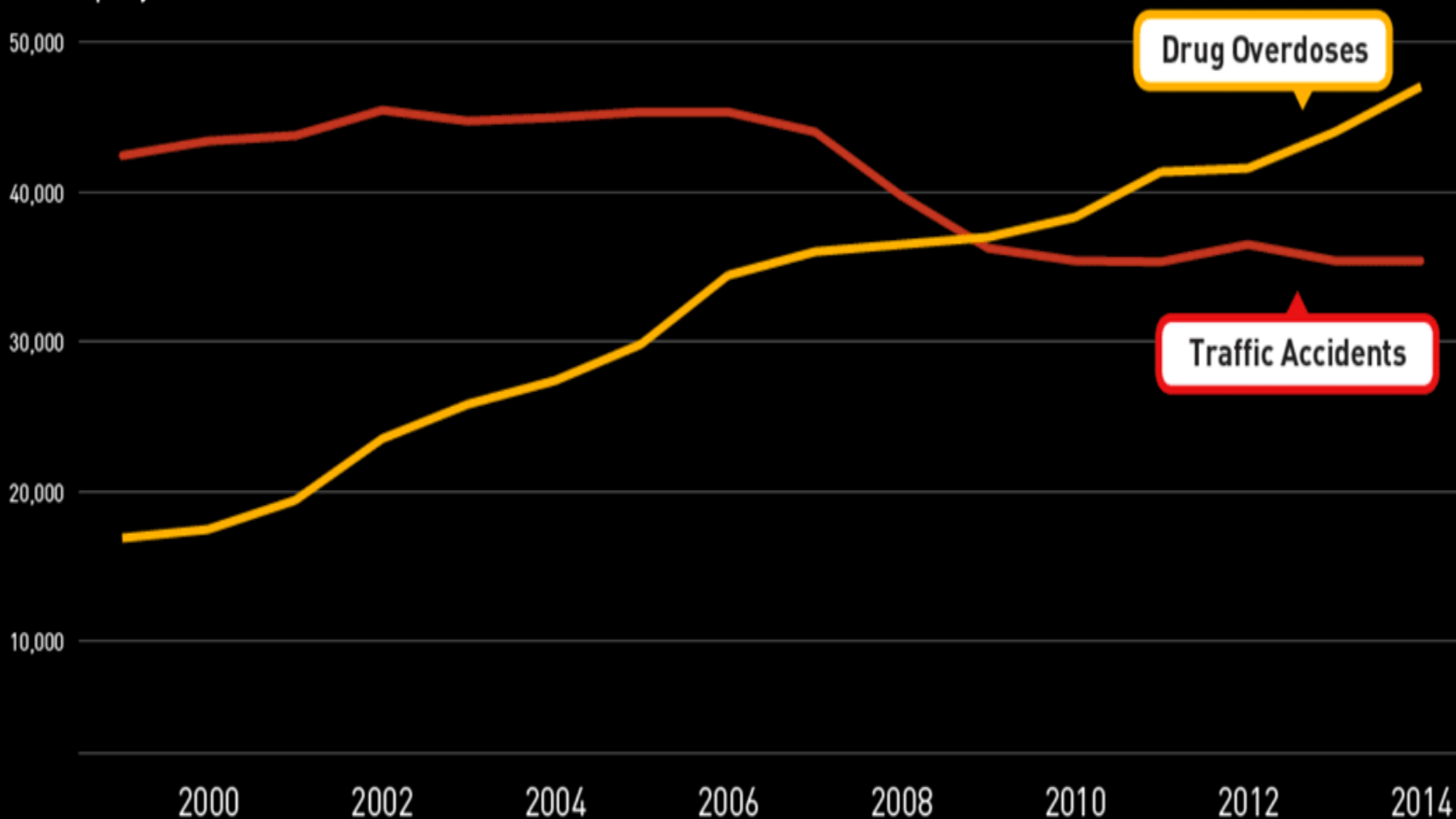
This paper documents a marked increase in the all-cause mortality of middle-aged white non-Hispanic men and women in the United States between 1999 and 2013. This change reversed decades of progress in

the United Kingdom (UK), Canada (CAN), Australia (AUS), and Sweden (SWE). The comparison is similar for other Organisation for Economic Co-operation and Development countries.

DRUG OVERDOSES NOW TAKE MORE LIVES EVERY YEAR THAN TRAFFIC ACCIDENTS

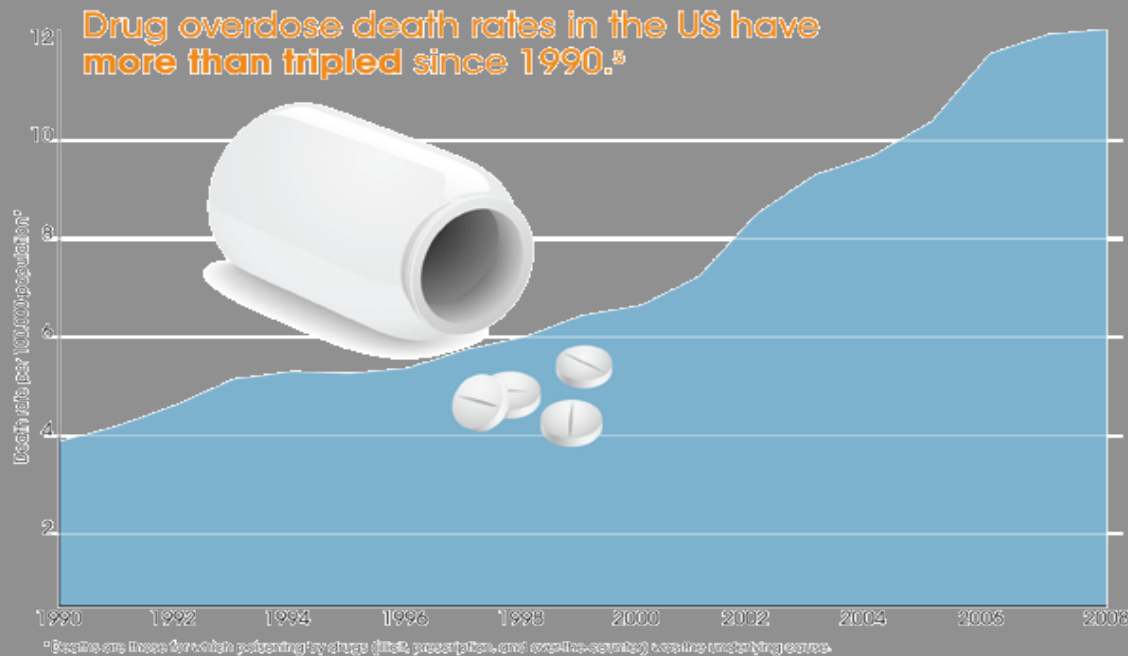
PRESIDENT OBAMA'S BUDGET CALLS FOR NEW \$1.1 BILLION INVESTMENT TO EXPAND TREATMENT

Deaths per year



SOURCE: Centers for Disease Control and Prevention, National Center for Health Statistics [NCHS]. Multiple Cause of Death 1999-2014 on CDC WONDER Online Database, released 2015.

>129 People Die From Drug Overdoses Each Day in The United States



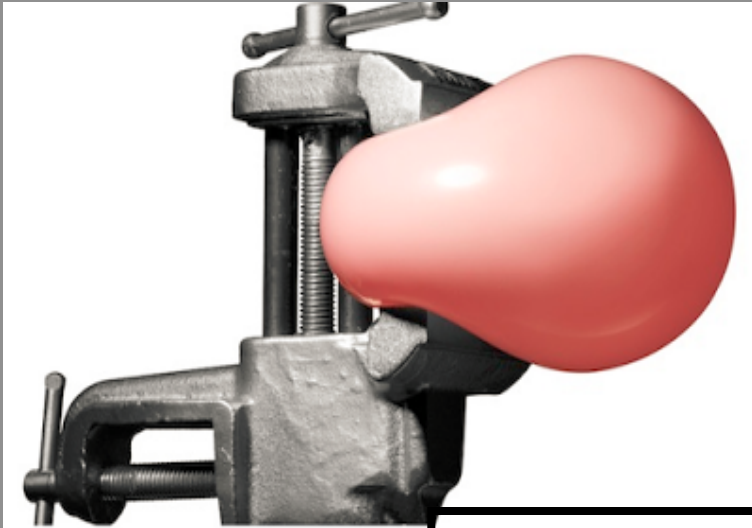
Every 11 minutes One person will die in the United States from an overdose.....



Why the Recent Surge in Overdoses?

Poor access to effective medication

Clamp down on prescription opioids since 2009

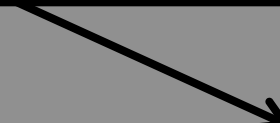


Jail, prison, detox and drug-free treatment → loss of tolerance

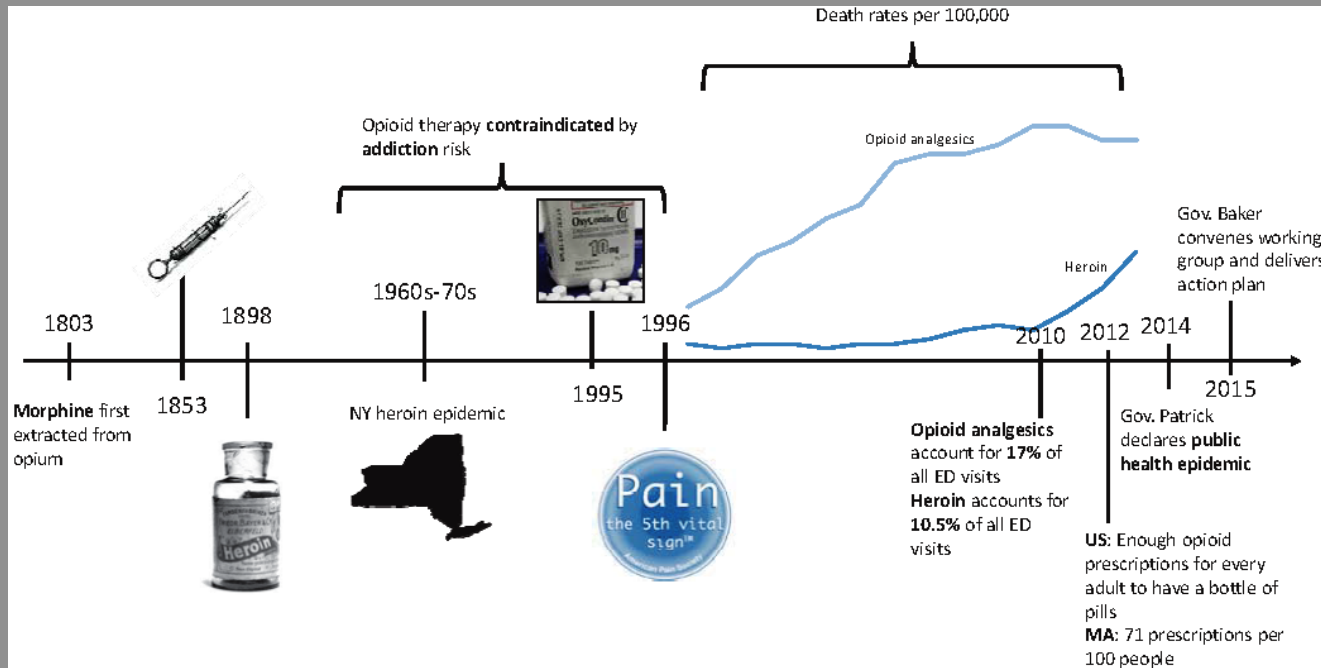
Recurrent disease

Cheap, street heroin, pills of high & varied potency

Overdose



How We Got Here....



Overdose Prevention Education

Common Risks for Opioid Overdose

Opioid dose and
purity

Mixing substances
Alcohol, stimulants,
marijuana, and
prescription medications



Polypharmacy
Prescribed or non-prescribed

Social Isolation
Using alone



Addiction history

Overdose history



Chronic Medical Illness
Lung, liver, and
kidney compromise

Abstinence

- Release from incarceration
- Completion of detoxification
- Relapse after abstinence

The Face of Addiction.....

A close-up profile of a young child's face on the left side of the frame, blowing a pink bubble wand. Several clear, iridescent bubbles are floating in the air against a soft, out-of-focus green background. The overall mood is innocent and whimsical.

When you were young
did you dream of being addicted?

Addiction is a disease. A disease that can be treated.

Coroner rules Jackson's death a homicide

Court document reveals singer had lethal levels of propofol in system

msnbc.com news services
 updated 7:49 p.m. ET, Mon., Aug 24, 2009

LOS ANGELES - The Los Angeles County coroner has ruled Michael Jackson's death a homicide, a law enforcement official told The Associated Press, a finding that makes it more likely criminal charges will be filed against the doctor who was with the pop star when he died on June 25.

A designation of homicide means that Jackson died at the hands of another, but does not necessarily mean a crime was committed.

Forensic tests found the powerful anesthetic propofol acted together with at least two sedatives to cause Jackson's death June 25 in his rented Los Angeles mansion, according to the official, who spoke on condition of anonymity because the findings have not been publicly released.

[Story continues below ↓](#)

Video



Launch

Details emerge in Jackson 'homicide'

Aug. 25: Law enforcement officials say Michael Jackson's death has been labeled a homicide after lethal levels of a powerful anesthetic were found in his body. The finding could result in criminal charges. NBC's Jeff Rossen reports.

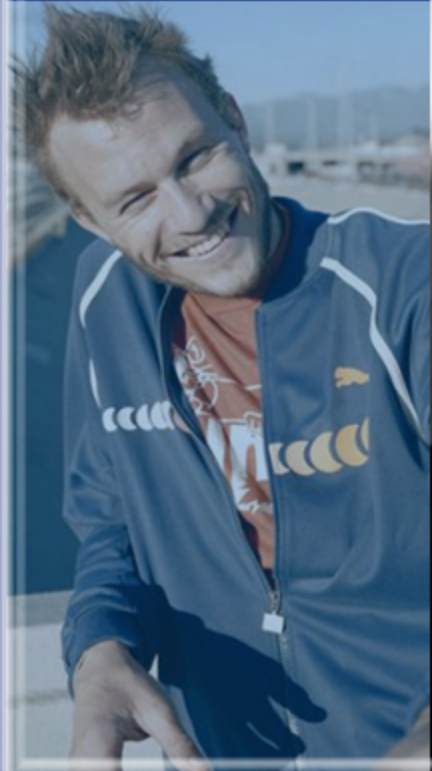
Today show

Michael Jackson video

“Me
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HEATH ANDREW LEDGER

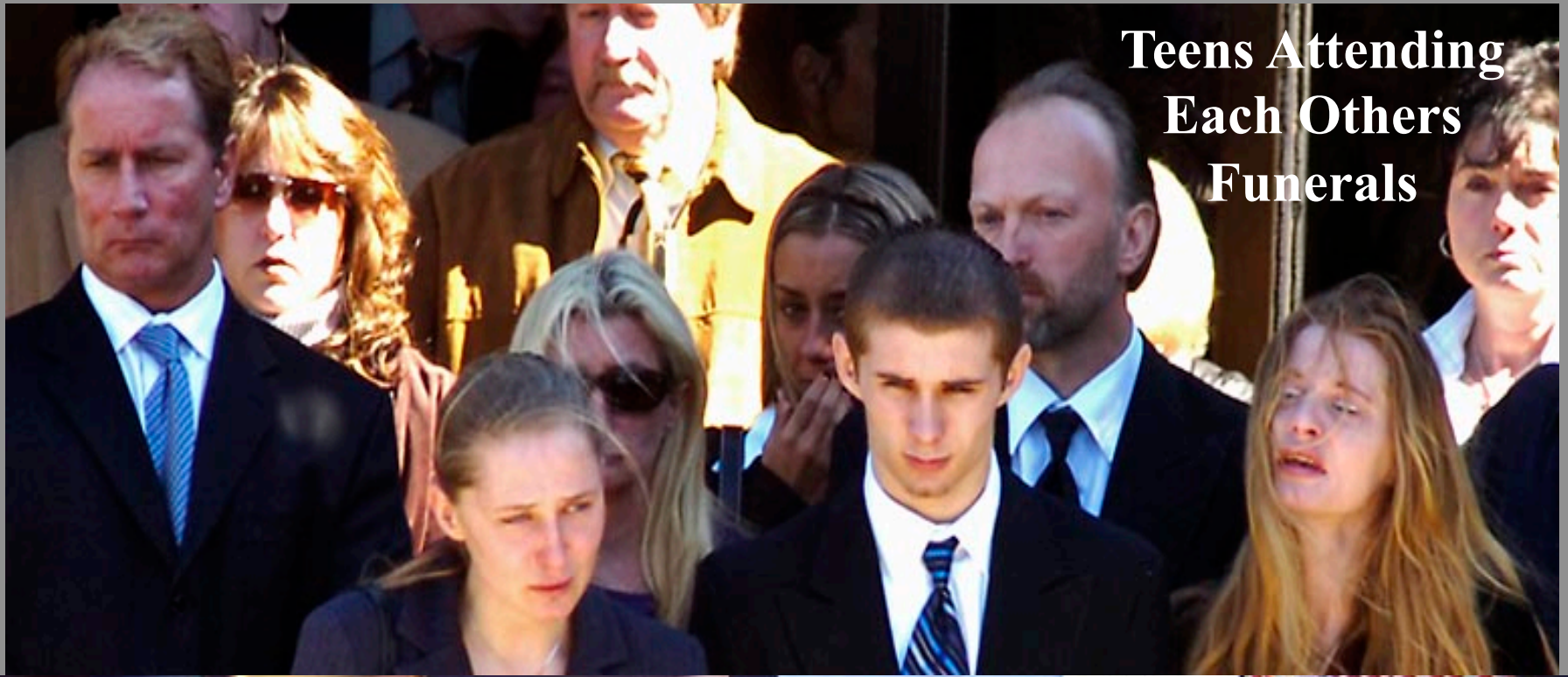
APRIL 4, 1979 – JANUARY 22, 2008



Where Are your patients in this picture?



Teens Attending Each Others Funerals



KEITH TEDESCO
10/14/78 - 6/29/97



KAREN BERRY
1/28/81 - 7/11/98




LENNY ORLAN
7/10/64 - 7/16/03



WILL SOMMER
9/24/80 - 5/4/94

In Loving Memory
Andy Carlson
December 18, 1982 - November 12, 2006



*You held us in your heart
as we hold you in ours,
forever.*

**DRUG FREE
BRAIN**

Memory
at rest and
in pain,
like heaven
again,
lights,
we go,
because
in
memory last,
whatever
you
you.
is
your
city.



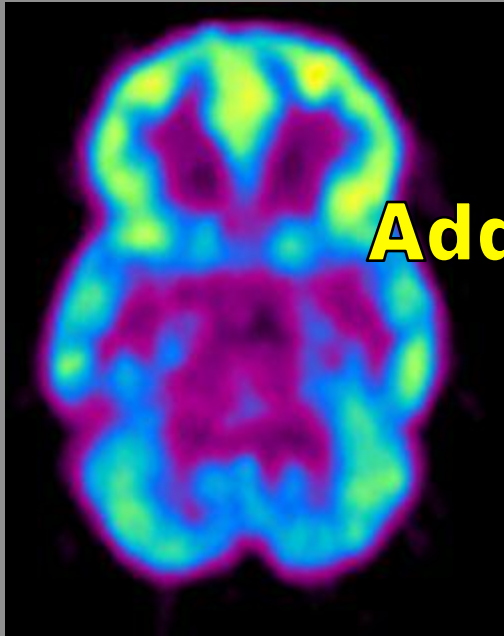
DAVID DILL
2/2/65 - 1/3/00



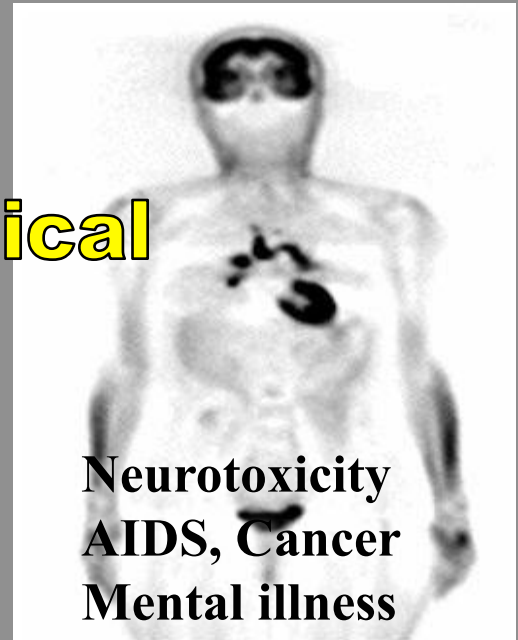
GINO VENTIMIGLIA
10/8/77 - 10/23/02



DAVID HALL
4/21/78 - 7/3/94



Addiction



Medical

**Neurotoxicity
AIDS, Cancer
Mental illness**

DRUGS



Social

**Homelessness
Crime
Violence**



Economic

**Health care
Productivity
Accidents**

State without Stigma....



End The Stigma...

- Research tells us that addiction is a **Disease** like any other, that its roots are **Genetic, Biological, and Environmental**. But rather than treating it like the disease that it is, society treats addiction like a moral failure or even a crime.

ADDICTION COST
AMERICANS OVER
\$350 BILLION
A YEAR



Stigma Costs Lives

sti  ma
STOP STIGMA NOW



ADDICTION
IS A *DISEASE*
NOT
A CHOICE



 = 1 million individuals struggling with addiction
source: SAMHSA's National Survey on Drug Use and Health



The Stigma Of Addiction

"Stigma is the reason there is so much social and legal discrimination against people with addictions People who are victims of stigma internalize the hate it carries, transforming it to shame and hiding from its effects."

*David L. Rosenbloom
Professor of Public Health
Boston University*

Addiction: Is A Disease....

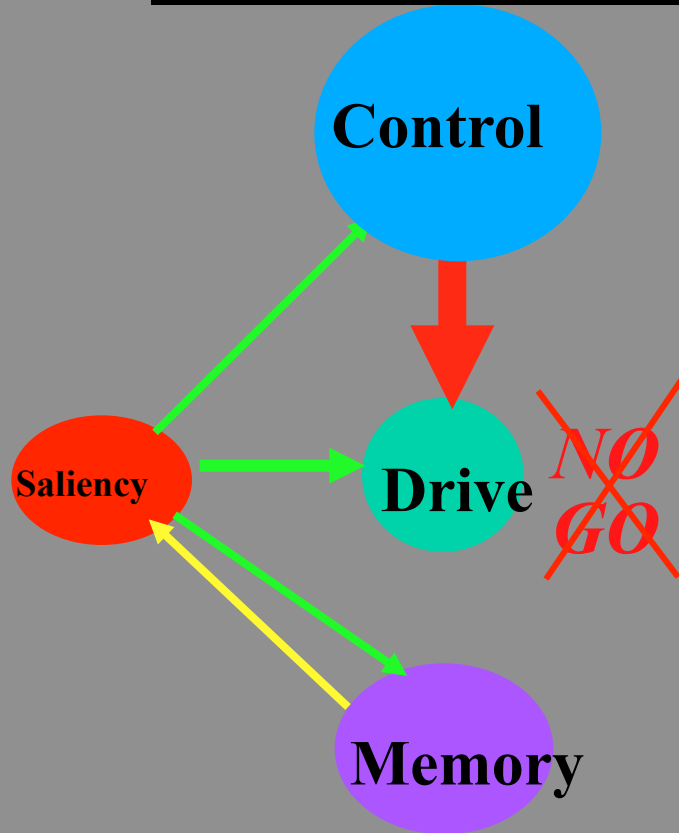


Addiction: the Disease

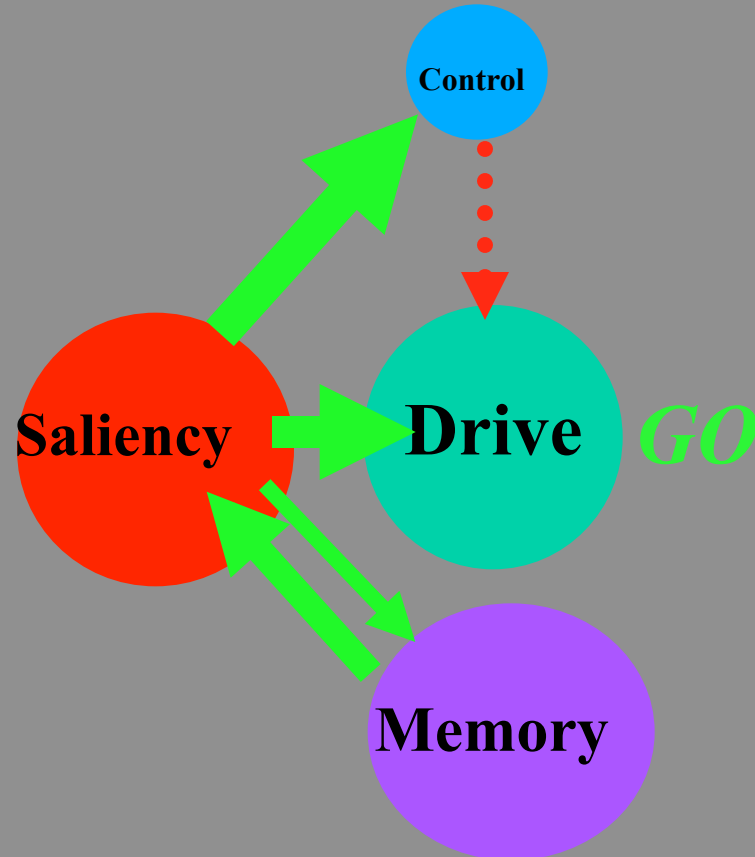
- **1956:** American Medical Association
- The illness can be *described*
- The course of the illness is *predictable* and *progressive*
- The disease is *primary* – that is, it is not just a symptom of some other underlying disorder
- It is *permanent*
- It is *terminal*: If left untreated, can lead to morbidity and mortality

Why Can't Addicts Just Quit?

Non-Addicted Brain

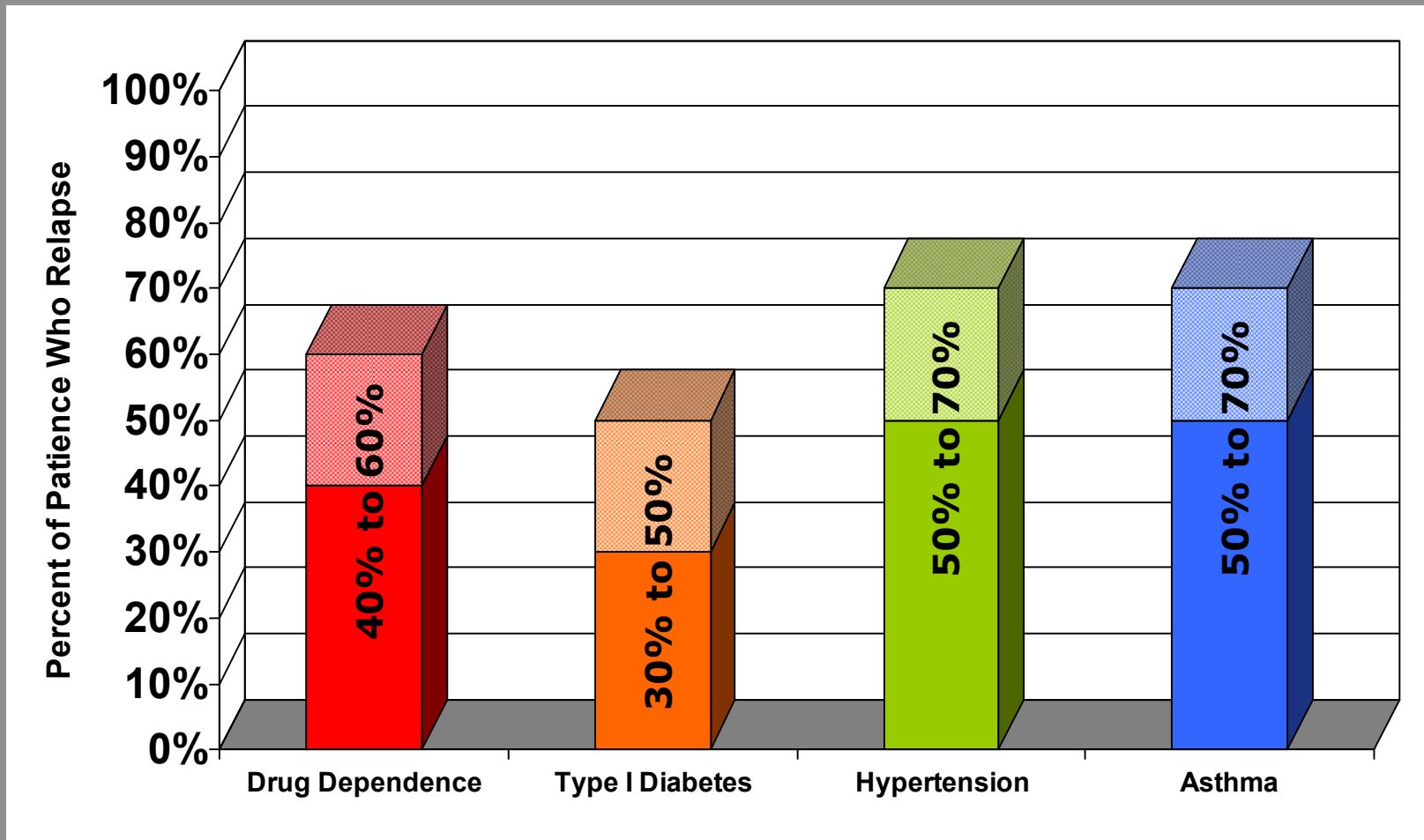


Addicted Brain

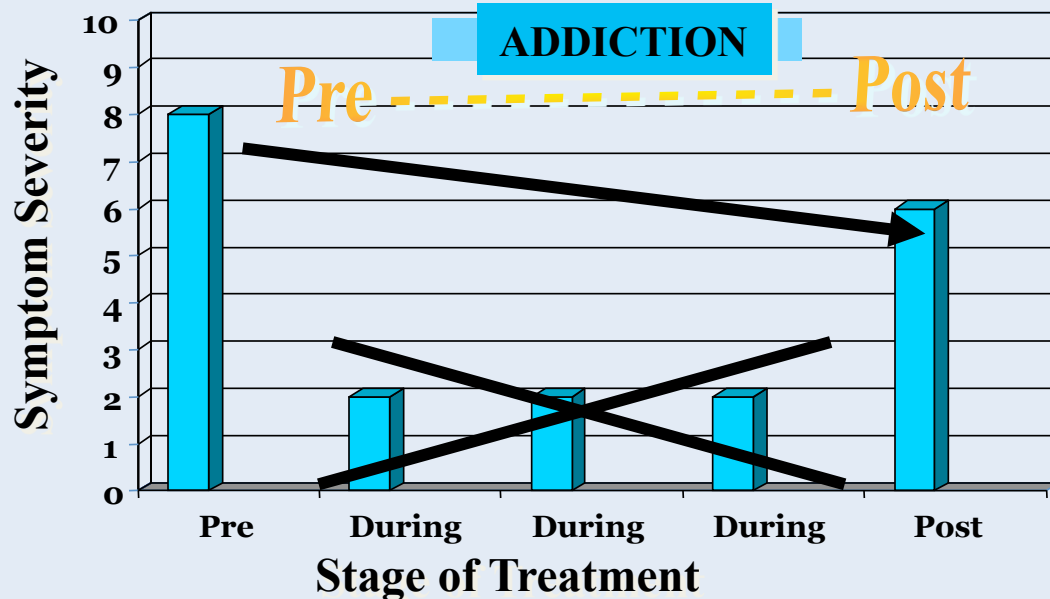
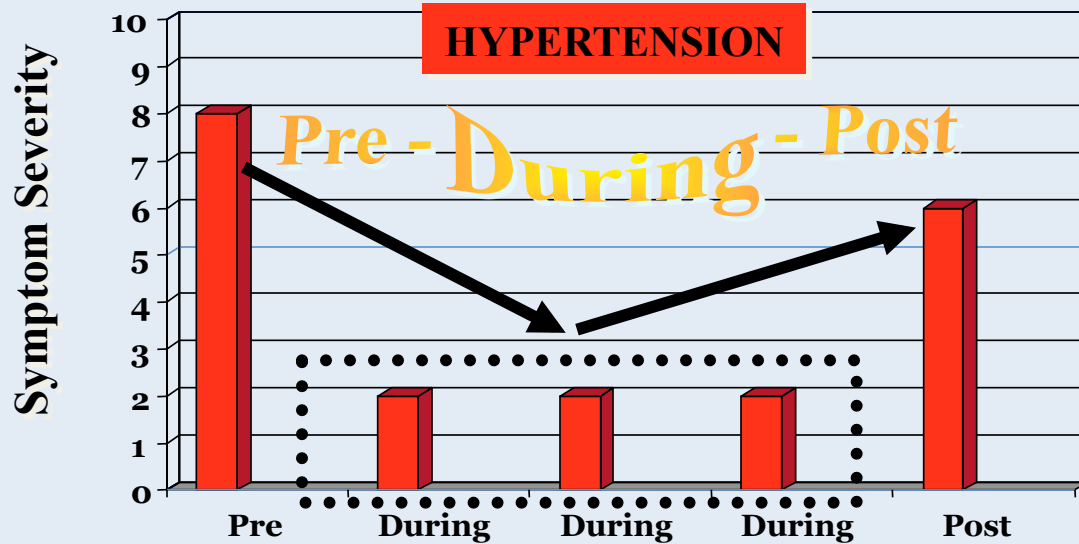


Because Addiction Changes Brain Circuits

Treatment Non Compliance Rates Are Similar for Drug Dependence and Other Chronic Illnesses



Evaluation of A Hypothetical Treatment



*Just Like **Hypertension**,
Addiction Is A
Chronic Disease That
Requires Continued
Care—but the
RESULTS are usually
measured **AFTER THE
TREATMENT
CONDITION HAS
BEEN WITHDRAWN!***

Estimated Economic Cost to Society of Illicit Drug Use in US: \$193 Billion in 2007

- **120 Billion in Lost productivity**
- **11 Billion in Healthcare Cost**
 - Treatment and medical co-morbidities
- **61 Billion in Criminal justice**
 - Incarceration, prosecution, court fees

Cost of Addiction to Workforce: 2009

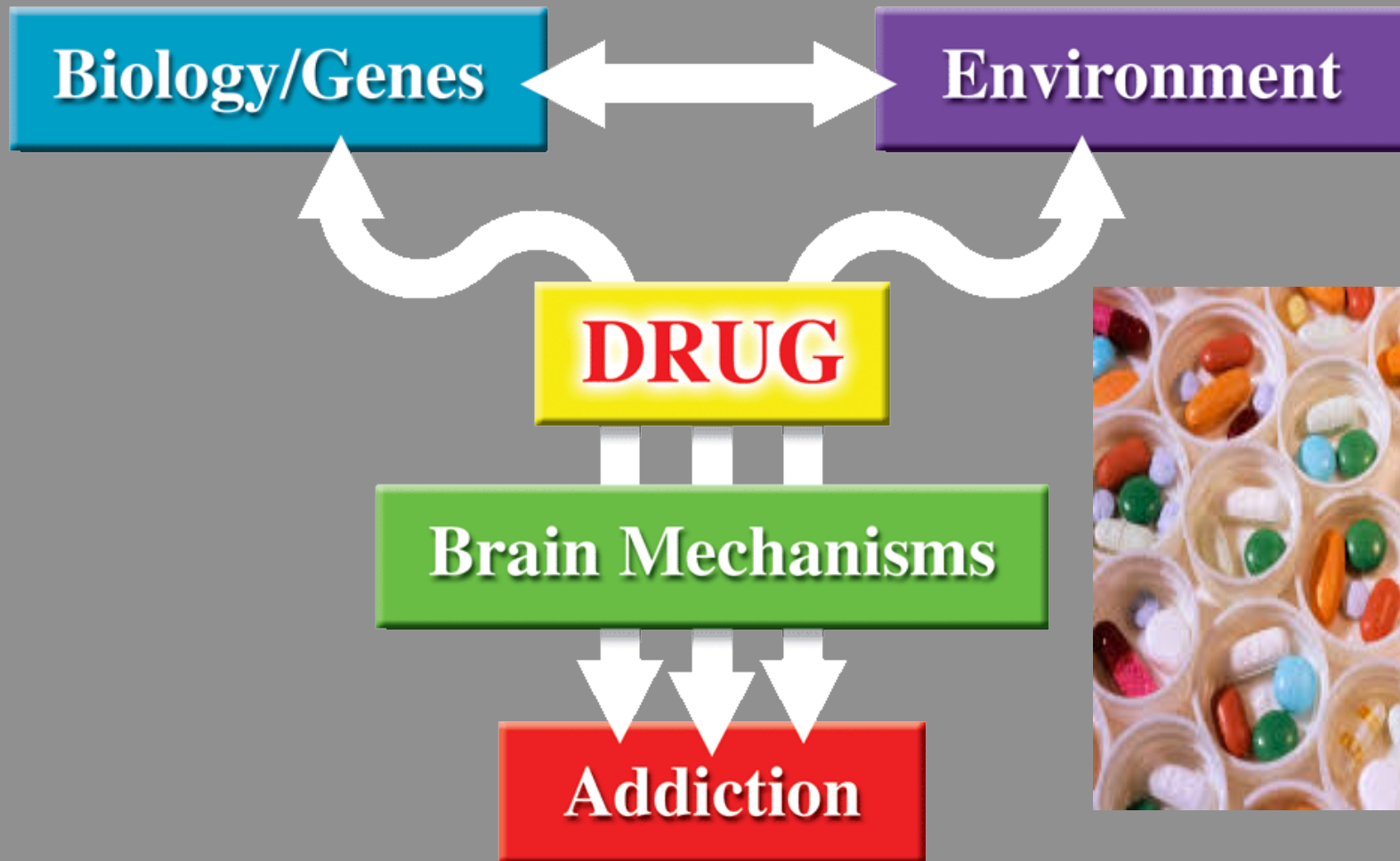
- 67% Current Substance Users are Employed
 - 48% Employed Fulltime
 - 19% Employed Part time
 - 13% Unemployed
- Turnover/absenteeism
 - Current substance users twice as likely: 2 or more jobs/year 12.3 vs. 5.1%

Federal Legislation

2017 Federal Budget Proposal

- \$1 billion to expand access to treatment ensure the every American who wants treatment can access it.
 - \$920 million mandatory funding for states to increase medication-assisted treatment
 - \$50 million for the National Health Service Corps to support training of approximately 700 providers to provide SUD treatment services
 - \$30 million to support effectiveness evaluations of MAT
 - \$500 million to build/expand state-level overdose prevention strategies, increase the availability of MAT programs, improve access to naloxone

Addiction Involves Multiple Factors



Opportunity for Change

- Leverage the epidemic
- Acceptance of the disease
 - Ending the Stigma
 - Removing the shame
- Integration of treatment into medicine
- Advances in Treatment
- Changing our Language



Engage the Nursing Community

- Education on the problem in nursing
 - Implement education across organizations
- Disease education: remove stigma
- Open environment: resources, support
 - Train staff to recognize
 - Empower to support and assist vs. enable, cover
- Offer a HAND UP.....Before Crisis



Launching Training CDC Guidelines

- American Association of College of Nursing
- American Association of Nurse Anesthetists
- American Association of Nurse Practitioners
- American College of Nurse Midwives
- American Nurses Association
- National Association of Nurse Practitioners

GUIDELINE FOR
PRESCRIBING OPIOIDS
FOR CHRONIC PAIN

www.cdc.gov



AACN Announces Commitment by
Nursing Schools to Combat Opioid Use
Disorder Epidemic

Deborah Trautman, PhD, RN, FAAN
President and Chief Executive Officer
of AACN

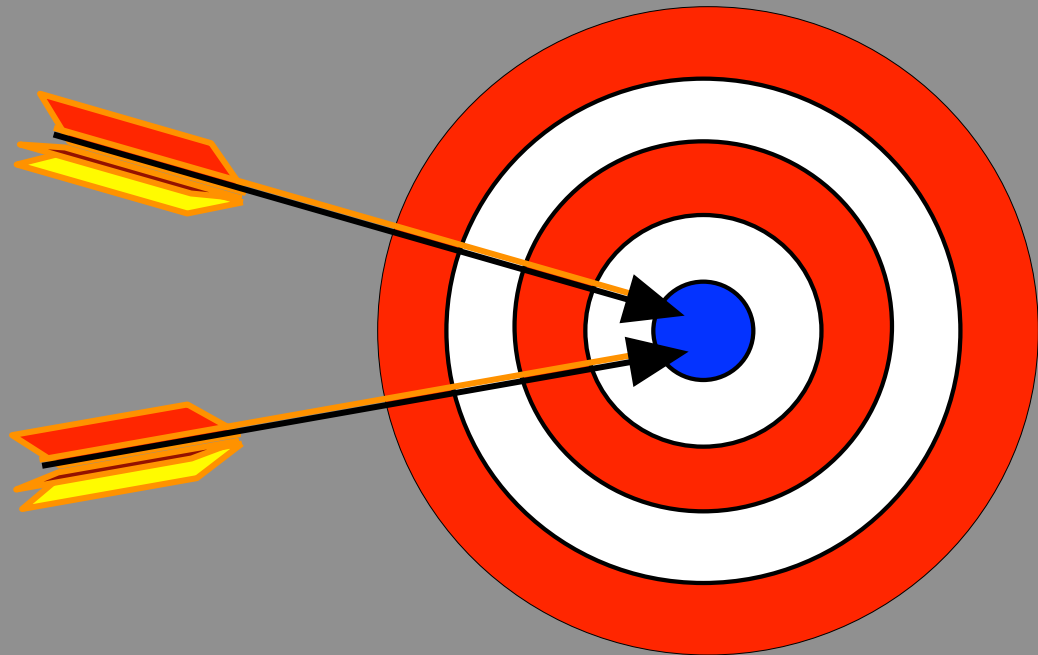
191 Nursing Schools pledge to Educate on
Prescribing Opioids and Chronic Pain

In Treating Addiction...

We Need to Keep Our Eye on
the **Real Targets!**

Abstinence

*Functionality in
Family, Work
and Community*



Where Do We Need to Go From Here?

We Need to...

Advance the

SCIENCE

Erase the

STIGMA

Treat the

Disease



“Our lives begin to end the day we become silent about things that matter”

- Martin Luther King Jr.