

Access to Treatment for Addiction to Prescription Medications: Neuroscience, Clinical Practice, Goals and Barriers

3rd Annual Prescription Drug Abuse Symposium

Targeting Strategies to Curb the Epidemic in Indiana

Indianapolis, December 19, 2012

R. Andrew Chambers, M.D.
Associate Professor of Psychiatry
Indiana University School of Medicine

Director, Addiction Psychiatry Training Program
Director, Laboratory for Translational Neuroscience of Dual Diagnosis & Development
Institute of Psychiatric Research, IU Department of Psychiatry

I have no ties with commercial interests or conflicts of interest to report.

IATROGENIC: “Induced inadvertently by a physician or surgeon or by medical treatment or diagnostic procedures”

-Merriam-Webster Dictionary

Access to Treatment for Addiction to Prescription Medications: Neuroscience, Clinical Practice, Goals and Barriers

1. The Iatrogenic Opioid Epidemic:

A problem created by the Healthcare System and Physicians that must be solved by the Healthcare System and Physicians.

2. Opiate Addiction is a brain disease:

Understanding the Neurobiology of this disease translates to treatment.

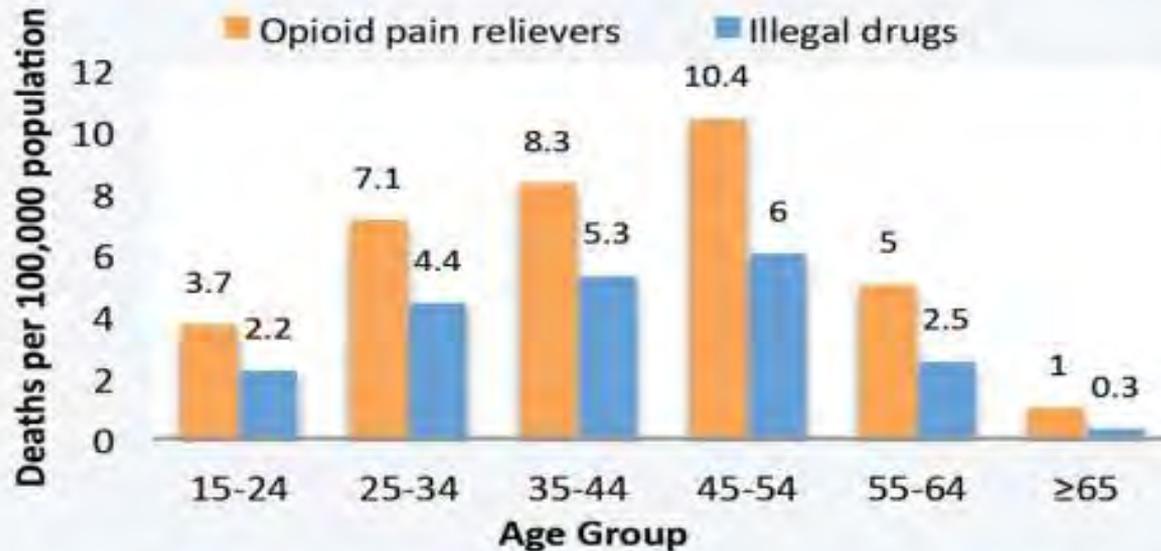
3. Treatment of Opioid Addiction:

Programs and professionals, tools and standards: the 2 x 4 model.

4. Barriers to Treatment that must be solved:

- Lack of Workforce and Professional Expertise;
- failures of public and private insurance coverage for treatment

Deaths from Opioid Pain Relievers Exceed Those from All Illegal Drugs



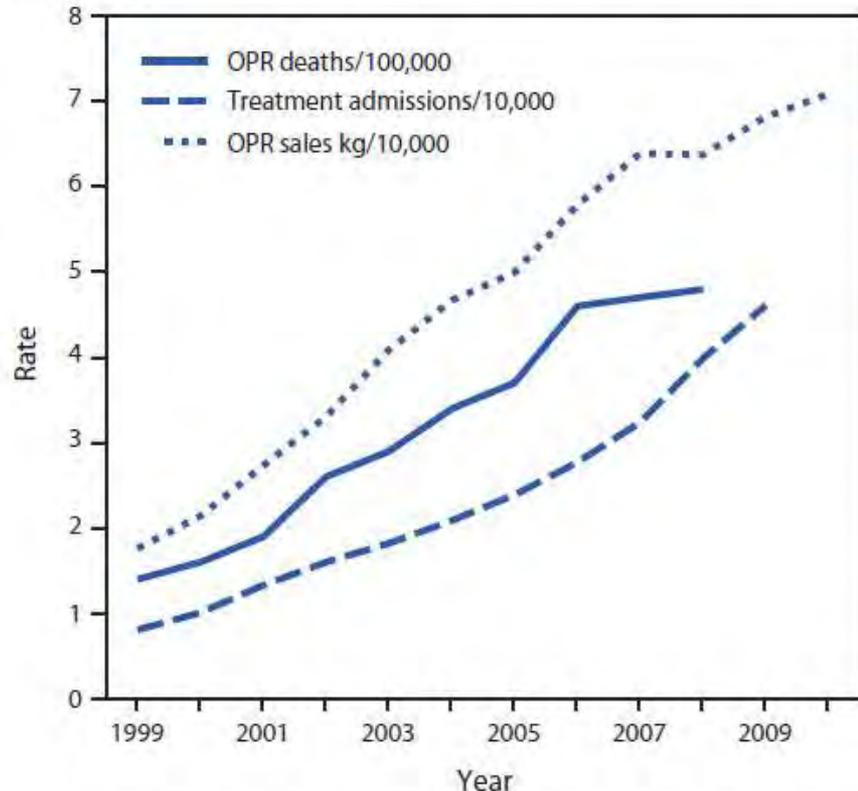
Source: CDC, Morbidity and Mortality Weekly Report, 60(43): 1489, 2011.

U.S. poisoning hospitalizations:

	<u>1999</u>	<u>2002</u>	<u>2004</u>	<u>2006</u>
Opioids (not methadone):	7,742	12,946	15,766	17,545
Heroin:	3,971	4,572	3,961	4,858

The Iatrogenic Opioid Addiction Epidemic

FIGURE 2. Rates* of opioid pain reliever (OPR) overdose death, OPR treatment admissions, and kilograms of OPR sold — United States, 1999–2010



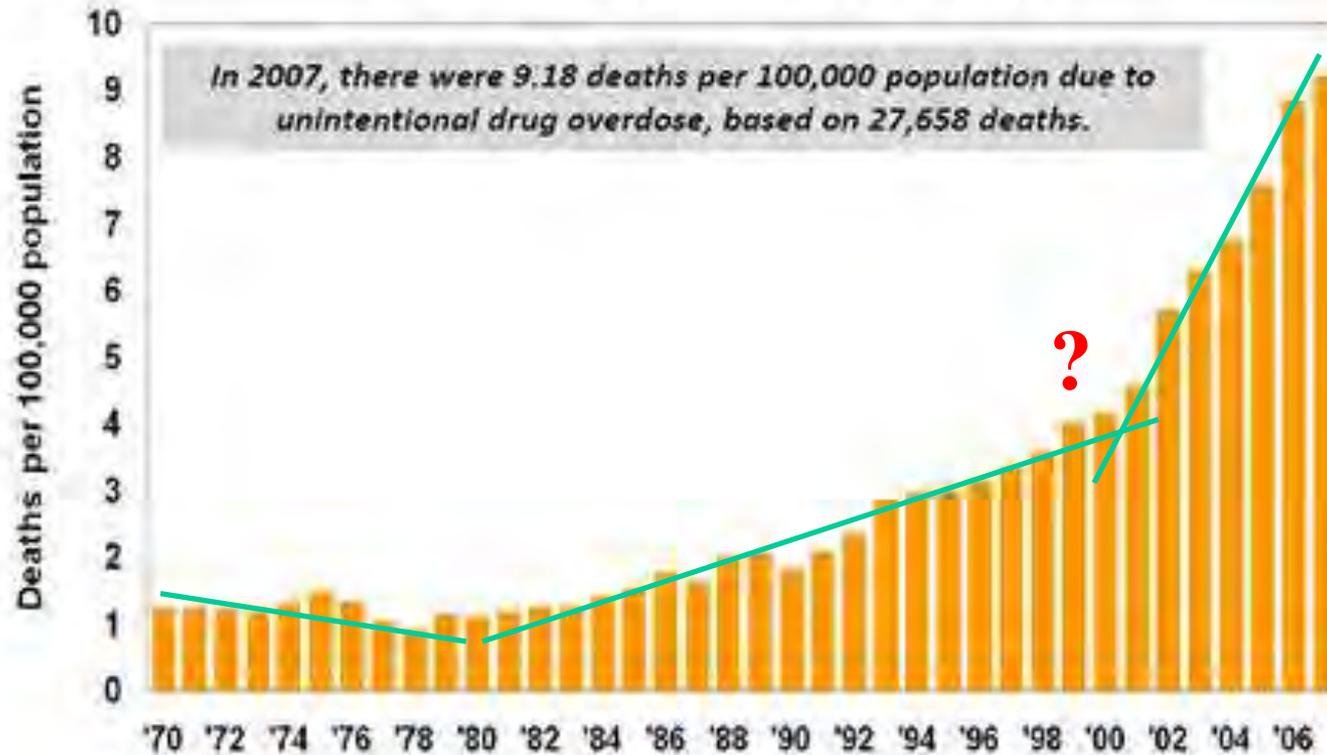
* Age-adjusted rates per 100,000 population for OPR deaths, crude rates per 10,000 population for OPR abuse treatment admissions, and crude rates per 10,000 population for kilograms of OPR sold.

-In 2010, narcotics were prescribed in the U.S. at levels equivalent to medicating every single adult with a 5 mg hydrocodone 6 x/day for a month.

-In 2008 lethal ODs due to prescription opiates, nearly doubled that of all illicit drugs.

-By 2008, an American adult is as likely to die from a prescription opioid overdose than either suicide or a motor vehicle accident.

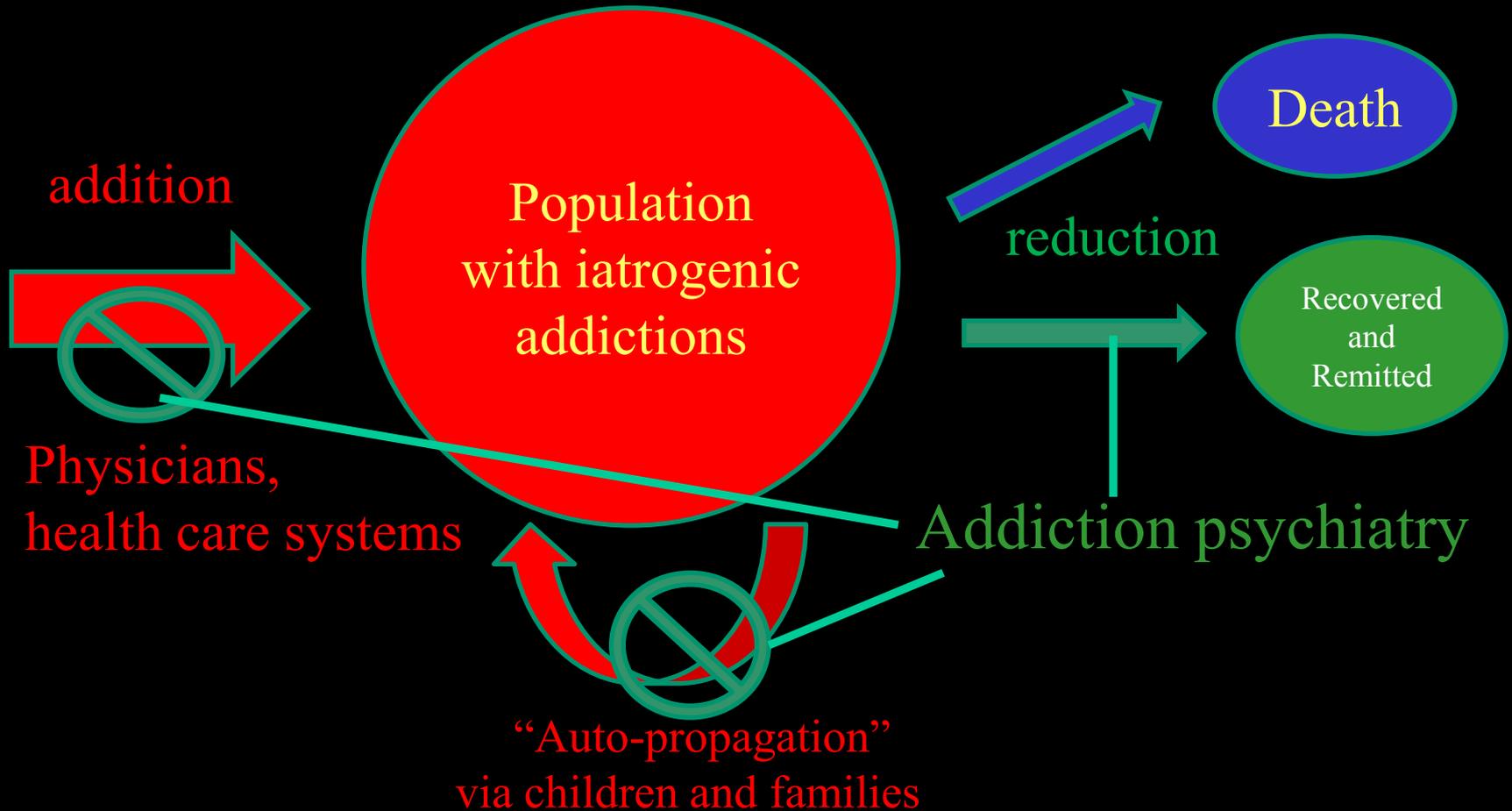
Unintentional Drug Overdose Deaths United States, 1970-2007



Source: Centers for Disease Control and Prevention. *Unintentional Drug Poisoning in the United States* (July 2010).

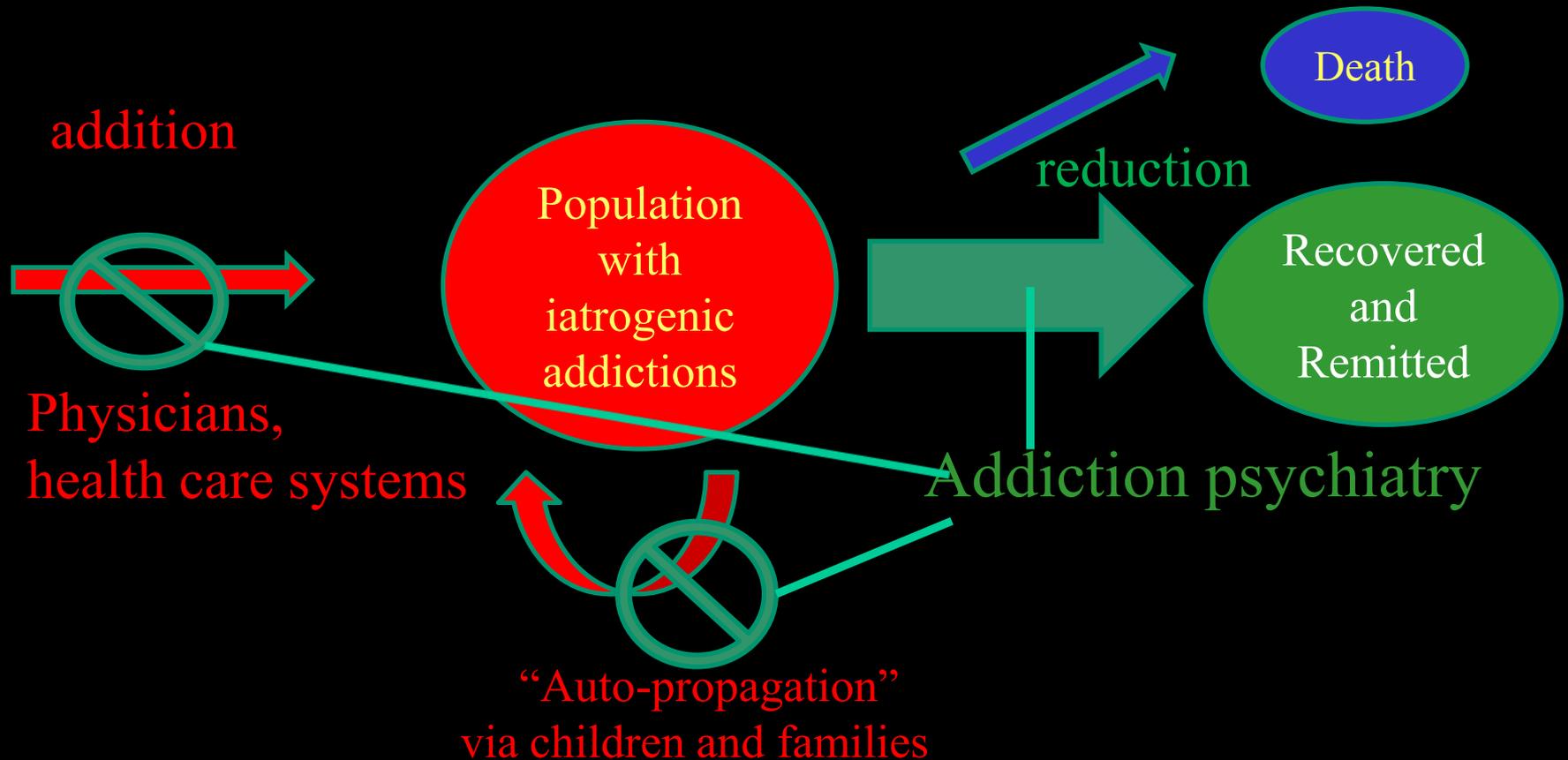
What are we going to do about it?

Understand it, Prevent it, Treat it



What are we going to do about it?

Understand it, Prevent it, Treat it



Opiates

Use of opiates for *acute* pain is one of the major miracles of modern medicine.

Heroin \$50-200 K /kg
30-70% pure

Oxycontin:

	<u>Rx</u>	<u>Street</u>
10 mg	\$1.25	\$5-10
80 mg	\$6.00	\$65



Methadone

Fentanyl

Heroin

oxycodone

hydrocodone