The background of the slide is a light blue surface with several pills scattered around. There are yellow round pills, white round pills, and blue and white capsules.

# Educational Interventions to Address the U.S. Opioid Epidemic

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w201 Fall 2020

Intended Audience: Federation of State Medical Boards

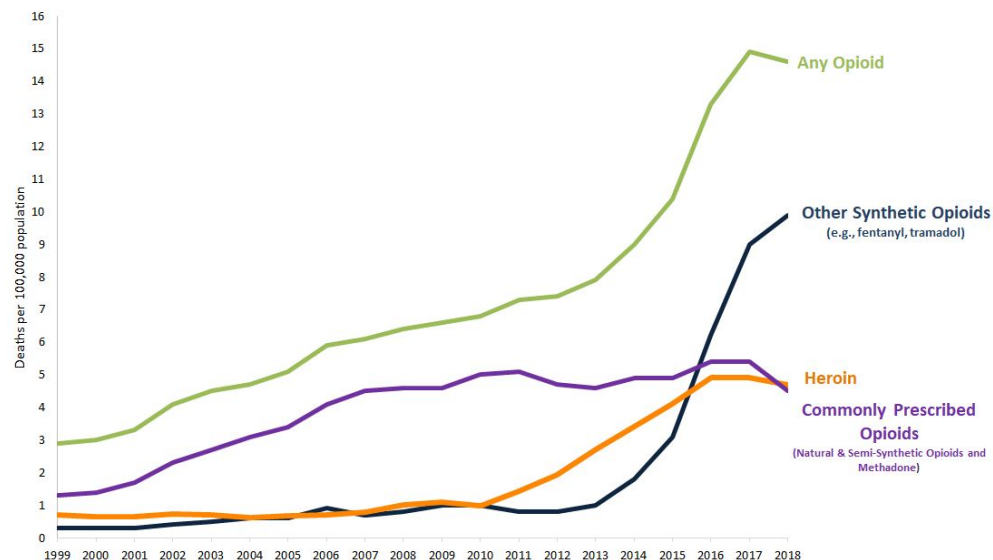


# Motivation

Standardize opioid  
prescription  
training across all  
practicing  
physicians

## Combat rising opioid overdose rates in the U.S.

Overdose Death Rates Involving Opioids, by Type, United States, 1999-2018



SOURCE: CDC/NCHS, National Vital Statistics System, Mortality. CDC WONDER, Atlanta, GA: US Department of Health and Human Services, CDC, 2020.  
<https://wonder.cdc.gov/>

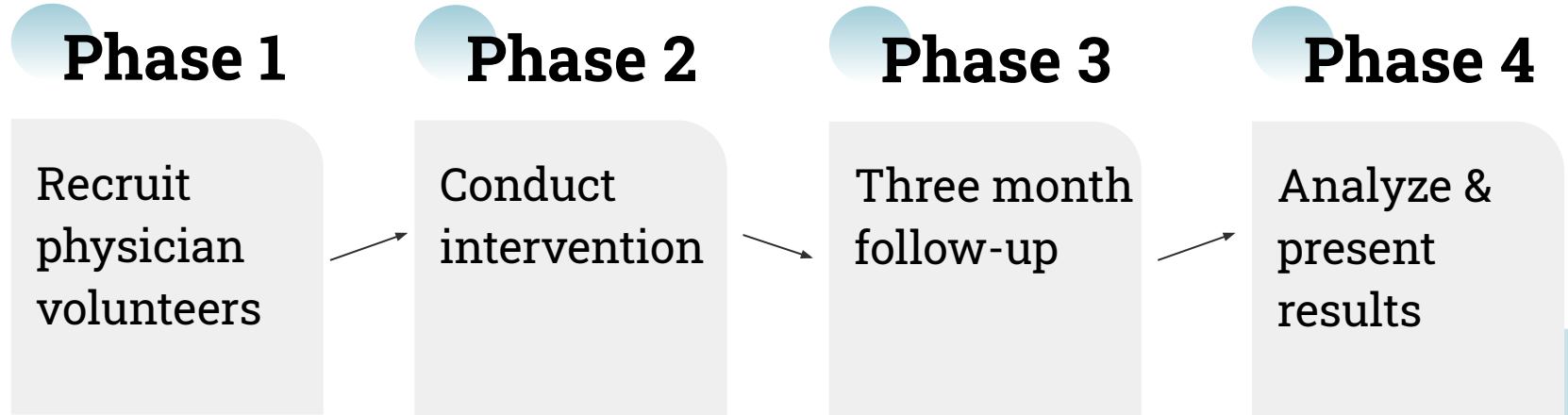
[www.cdc.gov](https://www.cdc.gov)  
Your Source for Credible Health Information

# Research Question



Does a one-time educational intervention produce a measurable effect on a physician's attitudes and behaviors towards pain management medication prescription and prescription volume?

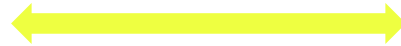
# Timeline



# Sampling



**BlueCross  
BlueShield**



**Randomization:**  
Treatment  
& Control



**Data Acquisition:**  
HIPAA  
compliant

# Variables of Interest

**Physician  
Attitudes**



**Prescription  
Volumes**



**Environmental  
Factors**



# Intervention

## Education Content

Table 2. Opioid Risk Tool

Question	Value
Family history of substance abuse	Possible 10 points
Personal history of substance abuse	Possible 10 points
Age	Possible 1 point

## Interactive Strategies



# Data Analysis

## Intervention Effect

Control  
Immediate  
Effect

vs

Treatment  
Immediate  
Effect

—  
Control  
Baseline

—  
Treatment  
Baseline

## Lasting Results

Treatment  
Immediate  
Effect

vs

Treatment  
Longterm  
Effect

—  
Treatment  
Baseline

—  
Treatment  
Baseline



# Addressing Risks

**Voluntary  
Participation**



**Rural  
Reach**



**Systemic  
Biases**



Thank you! Questions?

