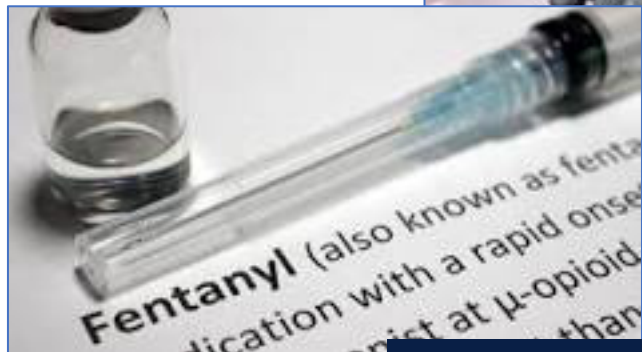
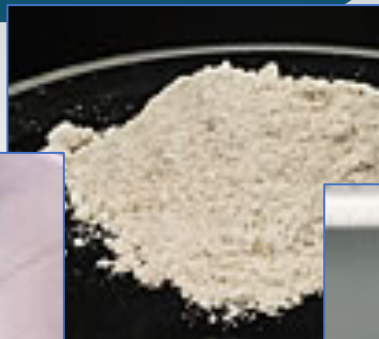


# PROJECT LAZARUS®



**RADARS**®  
SYSTEM **2019**

13<sup>TH</sup> ANNUAL SCIENTIFIC MEETING

# PROJECT LAZARUS<sup>®</sup>

- Non-profit organization
- Believes that communities are ultimately responsible for their own health and that every drug overdose is preventable.
- ***Prevent prescription medication and drug poisonings***
- ***Present responsible pain management***
- ***Promote Substance Use Treatment and Support services***

Project Pill Drop – Lazarus Recovery Services –  
Virginia Pain Society – Lazarus Link –  
Lazarus Affiliates – PFS – DFC – TCE-PTP - RCORP

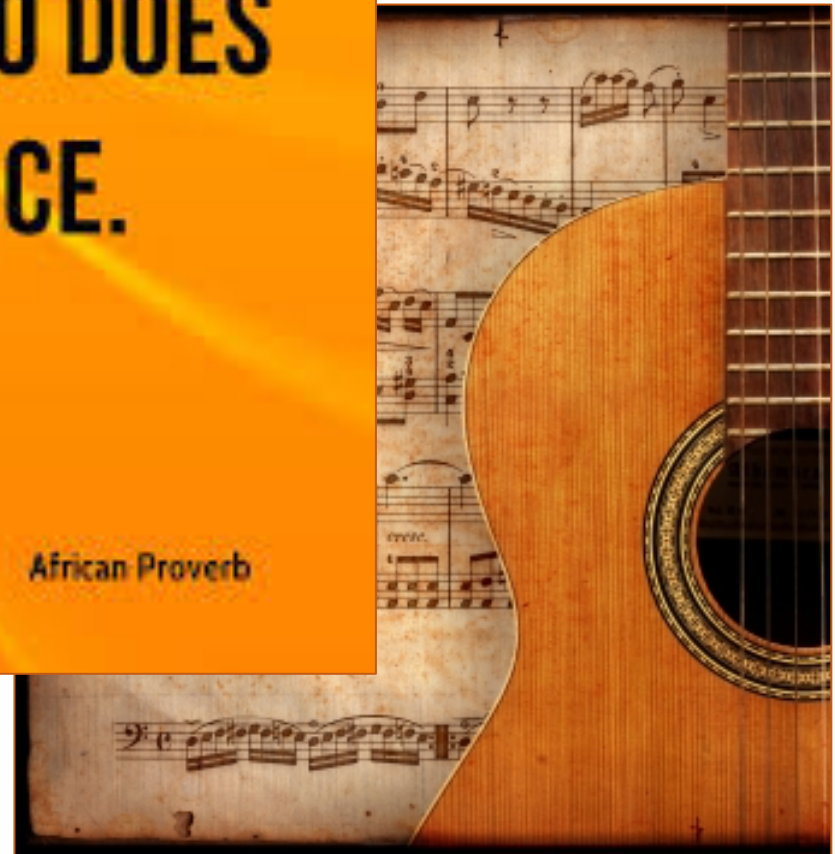
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**WHEN THE MUSIC  
CHANGES, SO DOES  
THE DANCE.**

African Proverb

QUOTE-ID.COM







Prevent, Intervention, Treatment...  
why should I care?



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®



- Mortality - *Toxicology*
- ED visits
- EMS/Other naloxone rescues
  - (accepted or refused transport)
- Crime
  - Substance related arrests (possession/sales)
  - Substance related crime
  - Substances confiscated
- Substance use related domestic violence/child abuse
- Foster Care
- School based substance incidents
- Substance use *recovery* admissions
- Workforce/Economic Factors
- HIV/HCV
- Endocarditis/Sepsis



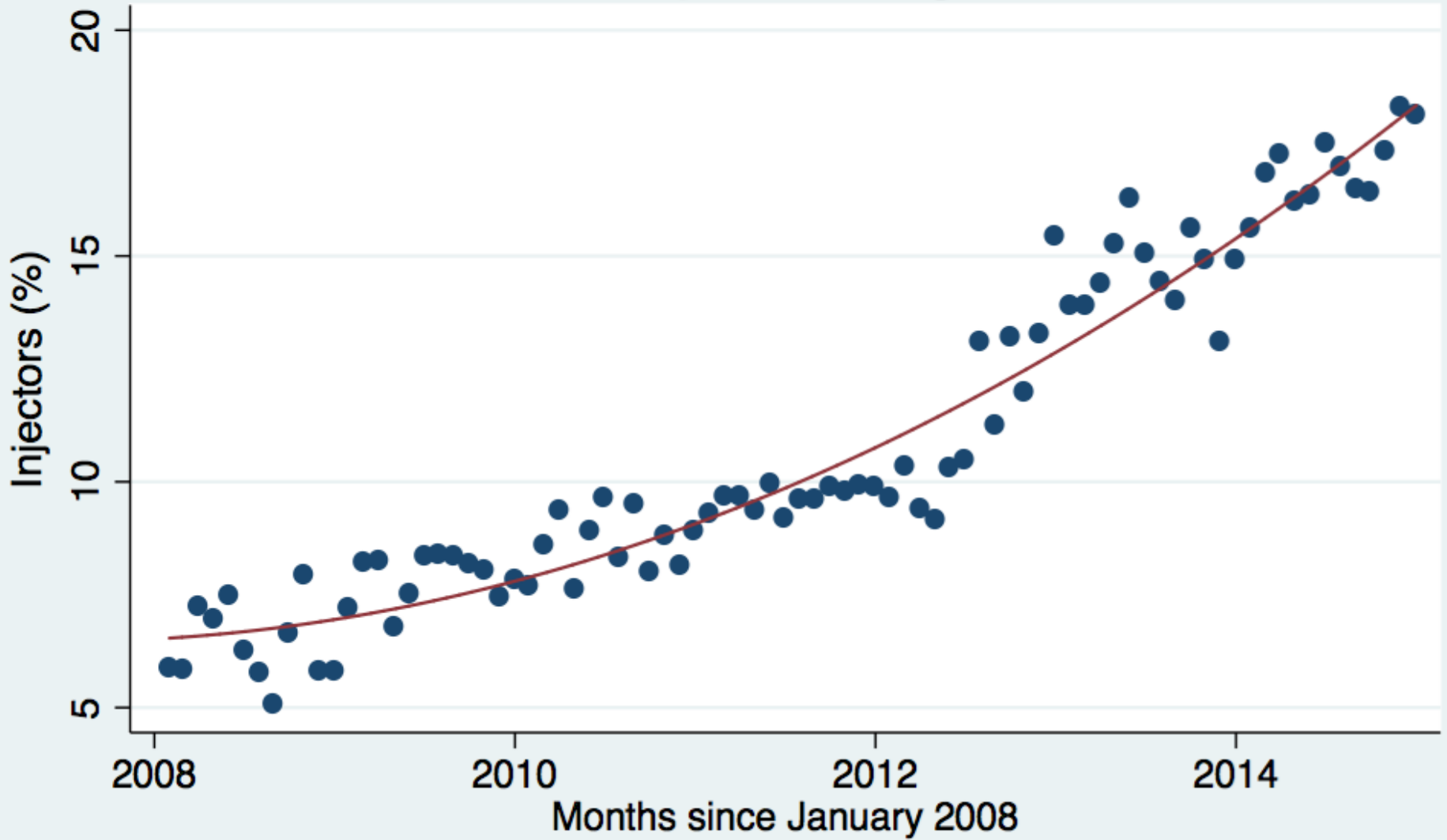


<b>Primary Substance</b>	<b>Secondary Substance</b>
Atenolol, Gabapentin, Trazodone	Diphenhydramine, Ethanol, Lorazepam, Mirtazapine, Trazodone
Oxycodone	Alprazolam, Amitriptyline, Carisoprodol, Diazepam
Fentanyl	Diphenhydramine, Fluoxetine, Gabapentin, Hydrocodone
Oxymorphone	Alprazolam, Gabapentin, Nortriptyline
Cocaine, Fentanyl	Methamphetamine
Fentanyl	
Buprenorphine	Carbamazepine, Pregabalin
Oxymorphone	Oxycodone
Oxycodone	Alprazolam, Diphenhydramine, Doxylamine, Gabapentin, Quetiapine
Morphine, Oxymorphone	Alprazolam, Duloxetine, Gabapentin
Metoprolol	
Oxycodone	Diazepam, Gabapentin
Morphine	Gabapentin
Cocaine, Methadone	Gabapentin, Trazodone

Manner of Death	Drug
Suicide	Meprobamate, Carisoprodol, Ethanol, Gabapentin, Hydrocodone, Zolpidem
Accident	Oxycodone, Alprazolam
Accident	Oxycodone, Alprazolam, Gabapentin
Accident	Alprazolam, Citalopram, Hydrocodone, Oxycodone
Accident	Cocaine, Methadone
Accident	Gabapentin, Oxymorphone
Accident	Gabapentin, Diphenhydramine, Duloxetine, Alprazolam
Suicide	Ethanol, Gabapentin
Accident	Buprenorphine, Ethanol
Suicide	Gabapentin, Ethanol, Tapentadol
Accident	Alprazolam, Clonazepam, Lorazepam, Pregabalin
Accident	Ethanol
Accident	<b>Cyclopropylfentanyl</b>
Accident	Oxycodone
Accident	Alprazolam, <b>Methoxyacetylfentanyl</b> , Cocaine
Accident	Alprazolam, Tramadol
Accident	Buprenorphine, Gabapentin, Oxycodone
Accident	<b>Fentanyl</b> , Methamphetamine
Accident	Alprazolam, Cocaine, <b>Fentanyl</b> , Methamphetamine, Oxycodone
Accident	Ethanol, <b>Fentanyl</b> , Gabapentin
Accident	<b>Fentanyl</b> , Gabapentin, Heroin



# Increase in injection drug use in NC



● pctinject — Fitted values

Among NC residents entering drug treatment

NC TOPPS Data

- Why am I/We needed
- What do I/We need to know
- What needs to be done





## Overdose Rate

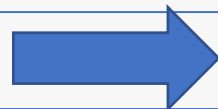
**15 OD's per 400 soldiers to 1 per 400.**

- 2008 and 2009 non-fatal OD's were 17 per 1000 soldiers.
- That rate dropped to 1.4 per 1000 soldiers
  - *according to WTU Brigade surgeon statistics.*

**Naloxone 2008 – *the "stop, look and listen moment"***  
**Abuse deterrent formulations – refills, all ER/LA**

### **A systematic approach to pain management emphasizing**

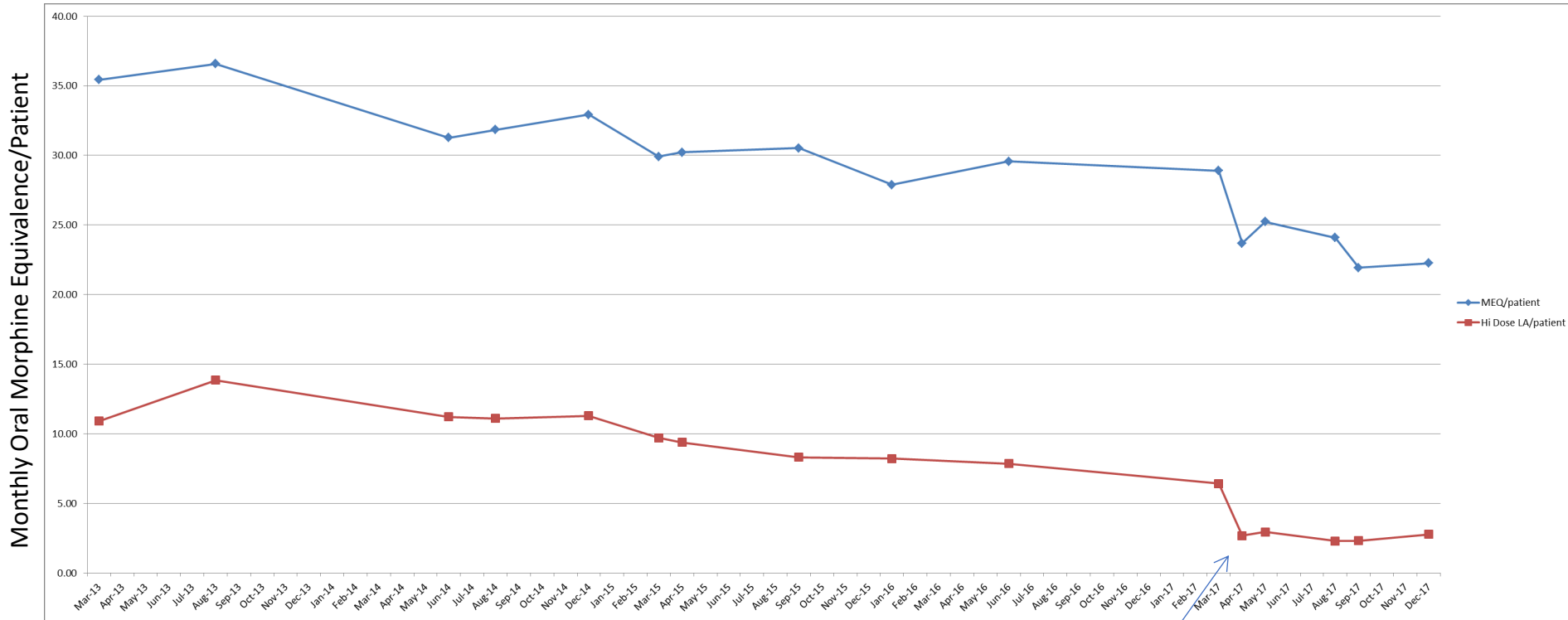
- *risk stratification*
- *risk mitigation*
- *provider education*
- *other modalities to/with opioids for pain management*



**Harm Reduction Strategies**

**Resulted in a reduction of opioid prescribing with decreased healthcare utilization and improvement in patient satisfaction**

## Opioid Prescribing Per Patient Enrolled in the Fort Bragg Health System

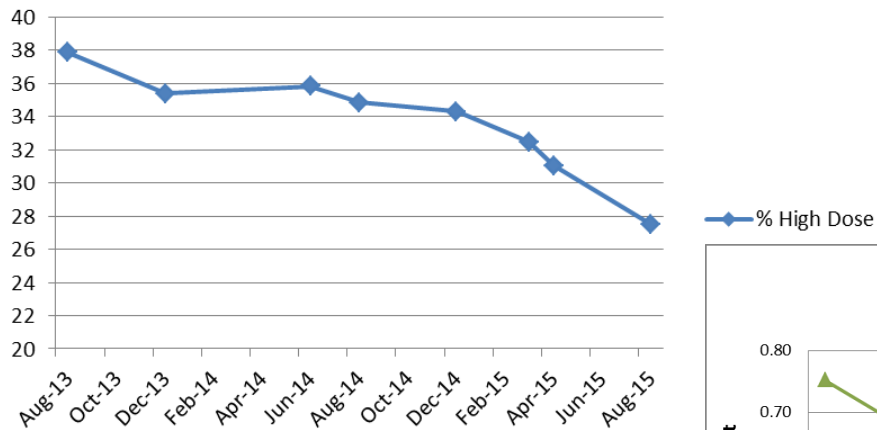


Algorithm for calculating "High Dose" updated to > 90 MEQ

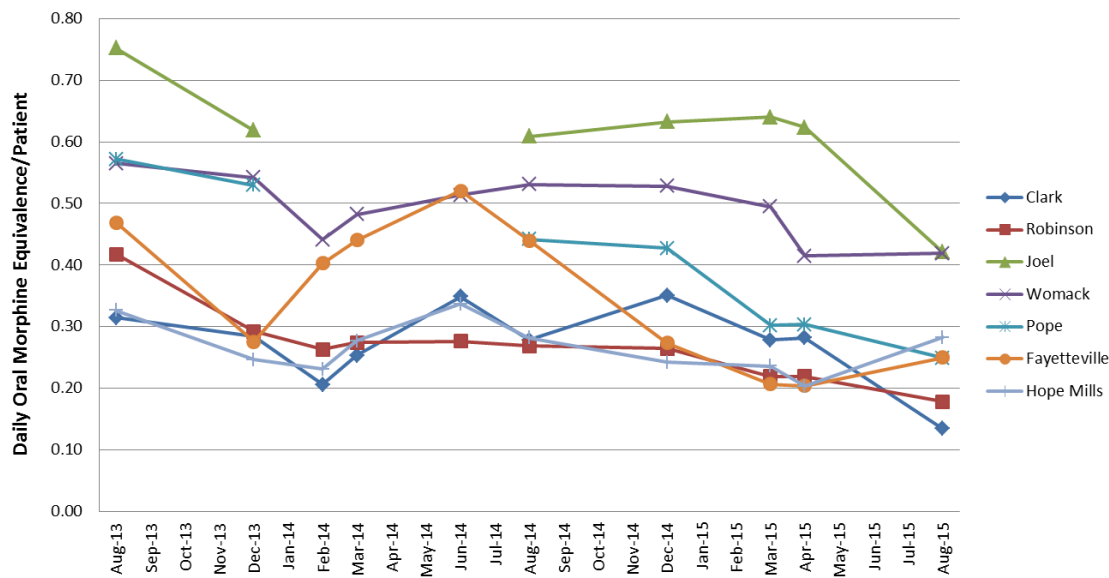
Source:  
Ft. Bragg Enrolled  
for Controls in CA



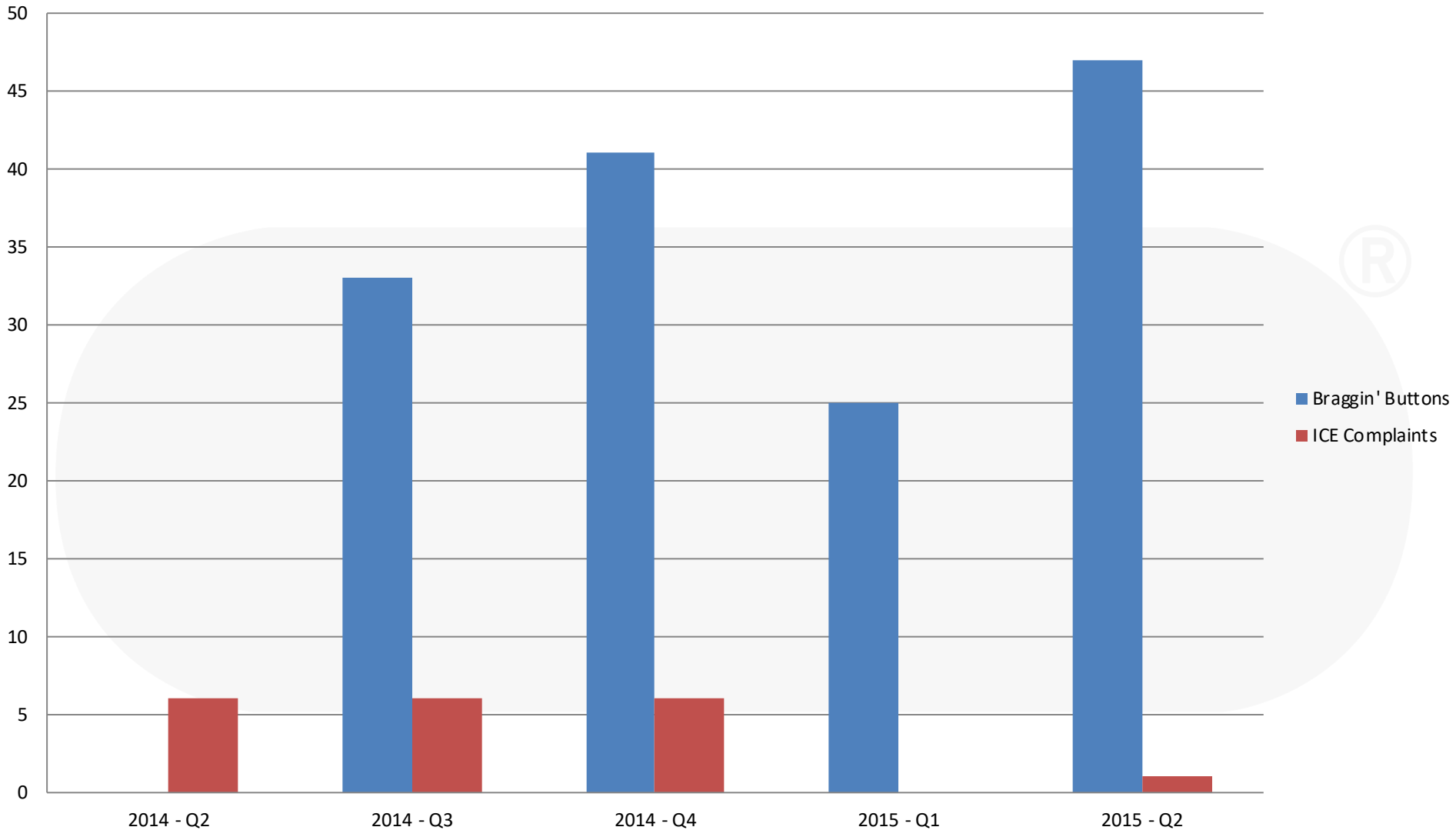
**Percent of High Dose/Long Acting Opioid Prescriptions**



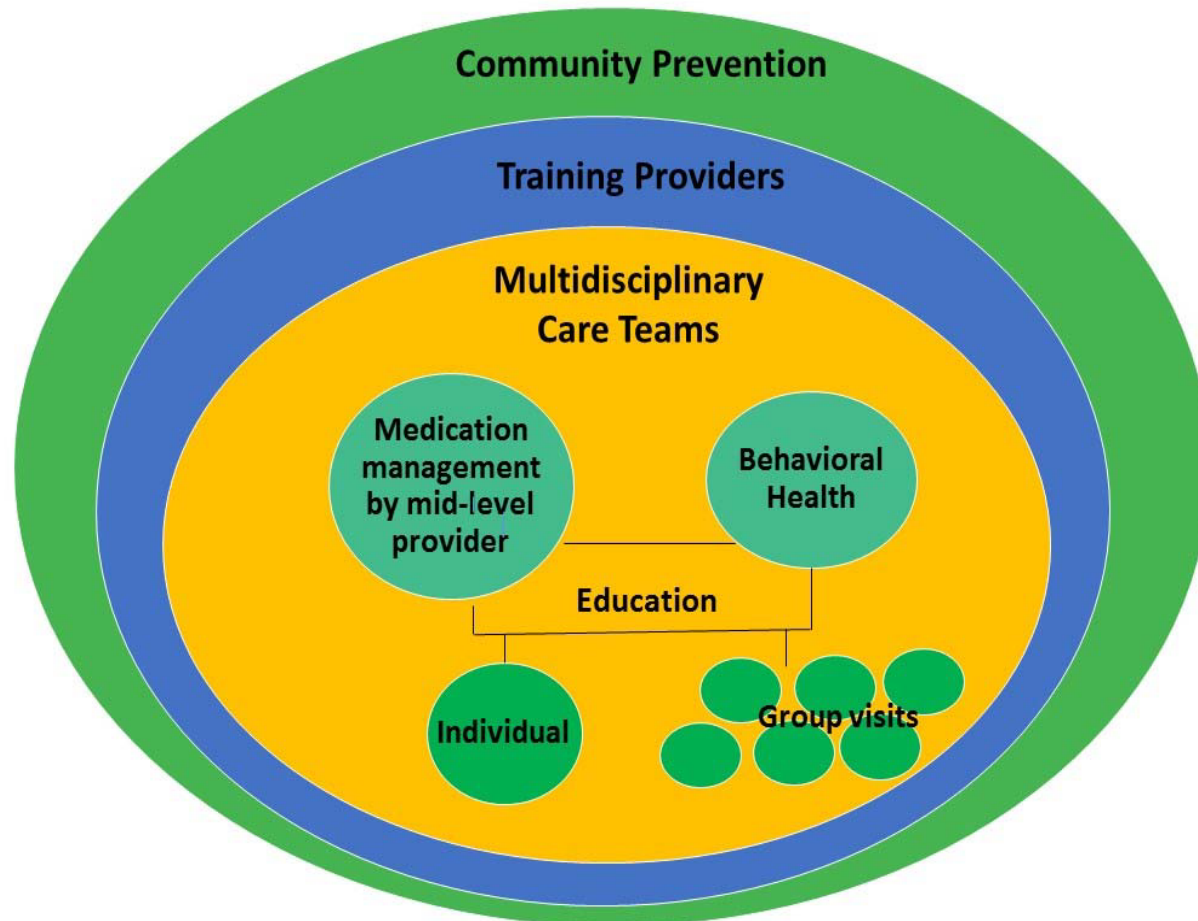
**Fort Bragg Health System High Dose/Long Acting Opioid Prescribing**



IPMC Direct Patient Feedback



Mountain Area Health Education Center, Inc.'s (MAHEC) Integrated Chronic Pain Treatment and Training Project (ICPTTP). Partnered with Project Lazarus for community outreach and education on opioid misuse.





- This integrated approach to care in turn led to **better pain management**
- Providers **successfully** weaned some participants off opioids or reduced some participants' opioid dosage
- Program staff believe the program **has reduced ED visits** among participants being weaned off their opioid medications
- The program **educated patients** about the dangers of overuse, misuse, and diversion of opioid
- The program helped **increase participants' functionality** even when it did not reduce their levels of pain.
- At one site, formally scheduled group visits were **credited with breaking down the isolation of patients** by offering them a chance to meet and learn from one another
- Although primary care physicians can implement the chronic pain protocols successfully, they would **appreciate having a behavioral health provider onsite.**

## Substance Use Disorder Recovery,

Unfortunately, access to "Recovery" is limited by three main factors:

- **Acceptance, Availability and Accessibility** of recovery options.

Negative attitudes or **stigma** associated with addiction in general and drug treatment.

- **Integration**

Law Enforcement – Behavioral Health –  
SA Treatment – ED – Health Department –  
Medical Providers – Labor and Delivery - OB/GYN



**Treatment**

is

one

path

on the road to **recovery**



buprenorphine, naltrexone, methadone,  
12 Step, abstinence programs,  
residential, Peer Support

*"Teaching communities on the science of  
Addiction in order to address stigma"*

# Lazarus Recovery Services



Lazarus Recovery Services

*Extending a Warm Hand*

## ***Lazarus Peer Guides (LPGs)***

offer friendly companionship and successful experience navigating the pathway toward recovery.

### **We have:**

- A stable recovery.
- A desire to enrich lives.
- Specialized training and certification to handle a crisis, an overdose, and save lives.

### **Supportive Roles**

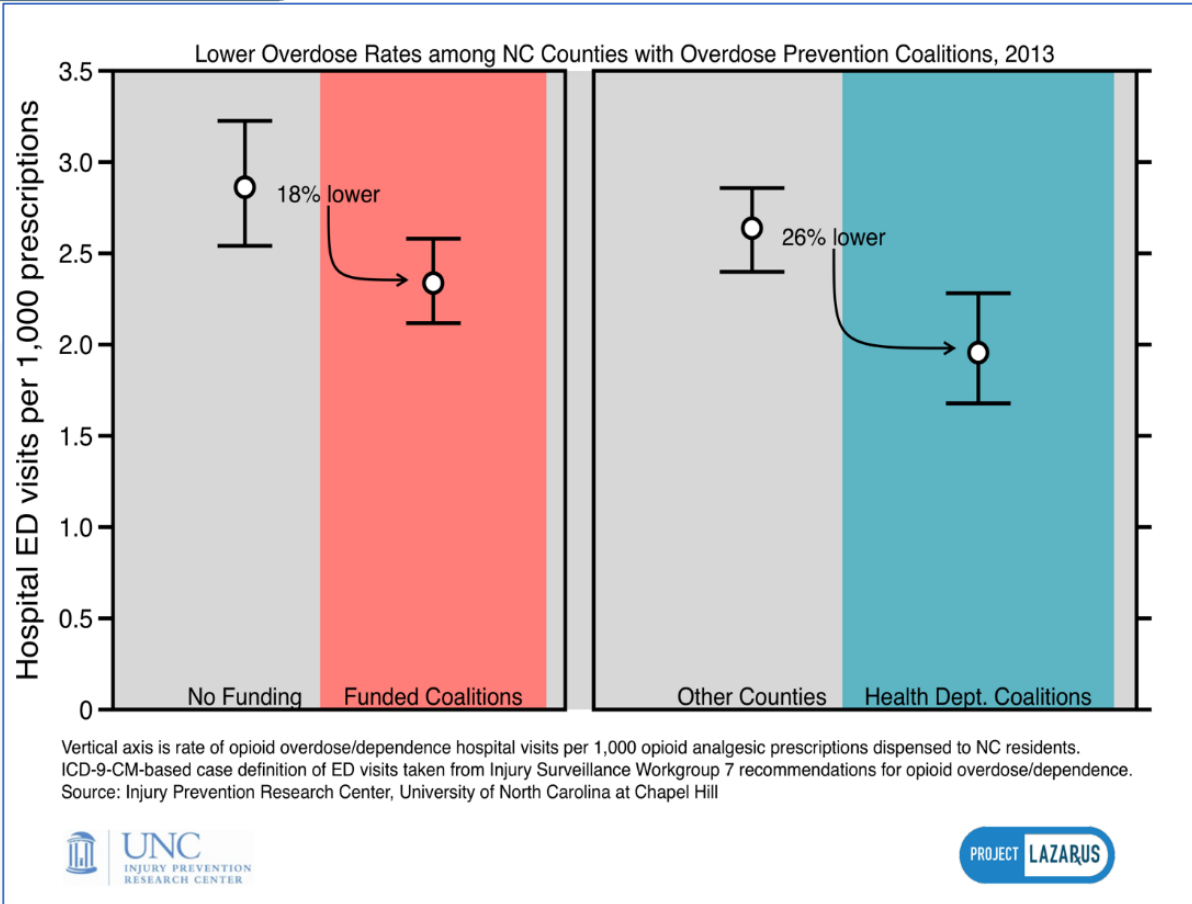
***Empathic Support***  
***Resource Support***  
***Constructive Support***  
***Connective Support***

### **Lived Experience**

***Problem-Solving:***  
***Crisis Intervention***  
***Community Navigation***  
***Family Involvement***

### **Support Groups**





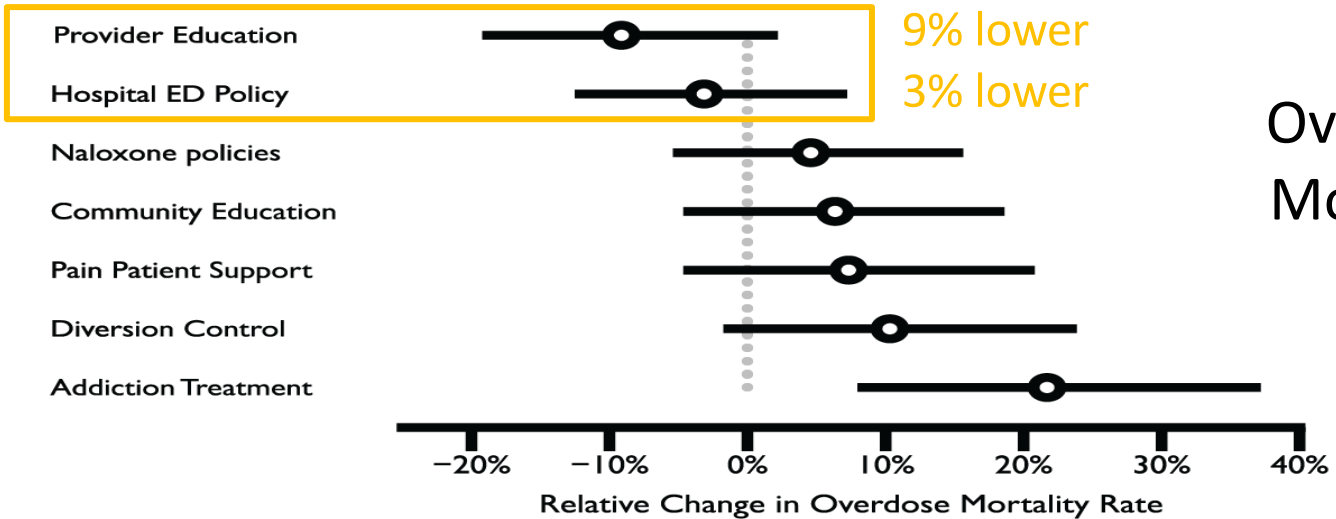
**This decrease represents 4 fewer ED visits per 3,000 opioid scripts in counties with Health Department-led coalitions.  
(20,000 NC ED visits - NC ED OD visit \$12,000 – Medicaid \$72 million 2014)**





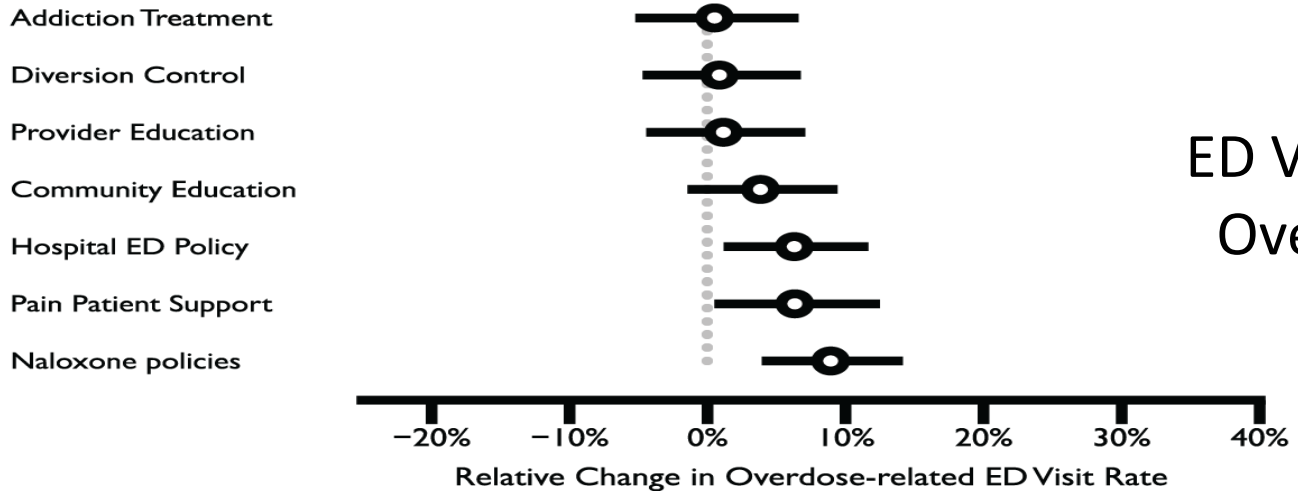
# UNC Injury Prevention Research Center

## IMMEDIATE IMPACTS OF INTERVENTION STRATEGIES



### Overdose Mortality

B



### ED Visits for Overdose

Apostolos Alexandridis, MPH  
 UNC Injury Prevention  
 Research Center  
 aaa@unc.edu  
 +1-313-799-2447

*Stephen Marshall, PhD, professor of epidemiology at UNC Gillings School of Public Health and director of the Injury Prevention Research Center, also was a co-author of the evaluation.*

“This study is especially important because it helps empower community coalitions to fight the opioid problem, ....

**What this study shows is that well-supported community coalitions are integral to helping Americans heal this terrible wound.”**

*For every unit increase in county leadership there is a 2.7-fold increase in the odds of having community forums & workshops, after accounting for other prevention efforts and resources.*

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# LAZARUS LINK

Telehealth Connects Community



Law Enforcement



HEALTHCARE



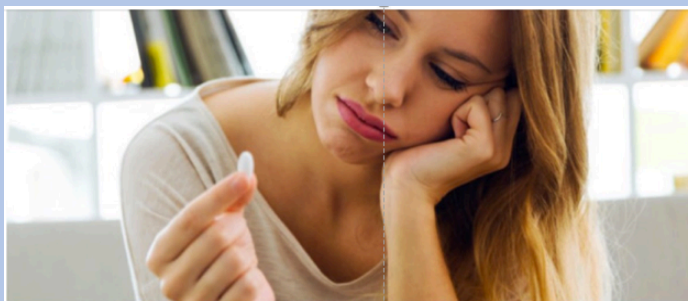
FIRST RESPONDERS



COURTS



Spiritual Support



Recovery Centers



Families/Friends

<b>AWARENESS</b> Determine the level of your community's drug overdose and addiction problem	<b>EDUCATION</b> Community, Provider, Law Enforcement, Schools	<b>INTERVENTION</b> Diversion, Control, Harm Reduction, Naloxone	<b>TREATMENT</b> Pain Management, Hospital ED, Addiction
+	+	+	+



Schools



# Drug Problem?

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Biological

Cultural

Environmental

Depression

Trauma

Poverty

Drug  
Problem

Pew Charitable Trust  
Study - incomes in US  
counties 2000-2014

# 2 county in USA for  
income loss - WILKES

Crime

Death

Finances

Family

Health

Economics

# The SPOKES

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## Community Education *Our community...Our health*

*“Got Meds?:  
take correctly, store securely,  
dispose properly and never share.”*

A prescriber can write appropriately, a pharmacist can dispense properly...but once in the community?

- **Science of Addiction**
- **Social Determinants linked to substance use**
- **Prevention - Intervention – Recovery (modalities)**



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ProjectLazarus.org



## LEARN ABOUT THE PROJECT LAZARUS MODEL

CLICK ANY PORTION OF THE MODEL TO FIND OUT MORE!



Fred Wells Brason II

[fbrason@projectlazarus.org](mailto:fbrason@projectlazarus.org)

### STATEMENT OF R. GIL KERLIKOWSKE DIRECTOR OFFICE OF NATIONAL DRUG CONTROL POLICY EXECUTIVE OFFICE OF THE PRESIDENT 2013

*“Project Lazarus is an exceptional organization—not only because it saves lives in Wilkes County, but also because it sets a pioneering example in community-based public health for the rest of the country.”*