Opioid Overdose and Naloxone Kit Distribution: A Quality Educational Improvement Program in the Primary Care Setting

Tiffany L. Lockett (Jonas Scholar), DNP, ARNP, AGNP-C, Kim L. Hickman, DNP, ARNP, PMHNP-BC,

Bernoune J. Fils, DNP, ARNP, FNP-BC, NP-C, & Michael Lomonaco, DNP, FNP-C, ARNP, CEN

University of South Florida

This material is the result of work supported with resources and the use of facilities at Bay Pines VA Healthcare System, Bay Pines, Florida 33744 The contents of this poster do not represent the views of the U.S. Department of Veterans Affairs or the United States Government

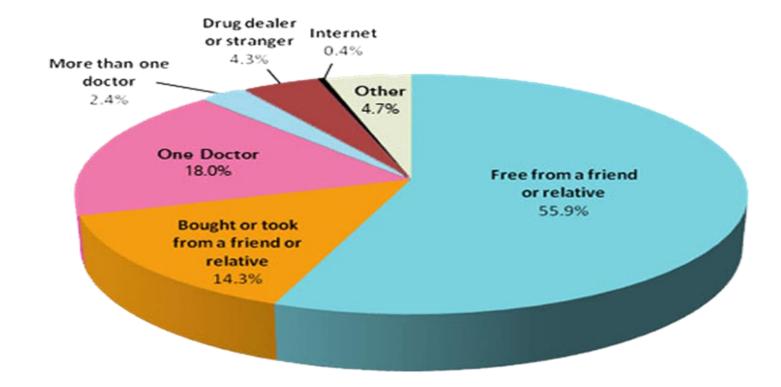
Discussion Results Methods Purpose • The results of the survey suggests Patients taking higher dosages of **Program Design**: • To provide education on opioid a positive change in the medical opioids ≥50 MME/daily are at an •A convenience sampling strategy was overdose and naloxone kit

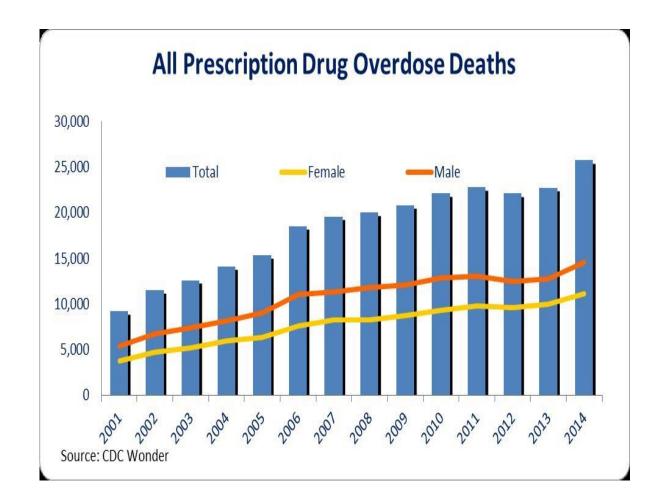
distribution to primary health care providers at Veterans Administration Facilities in the southeast region.

utilized for this project.

•A Likert survey scale was used to determine the effectiveness of the quality improvement project

- providers' beliefs and practice.
- The mean average of the pre-test was 34/50 (68%) in contrast to 42/50 (84%) after completing the
- increased risk for overdose
- The risk of overdose is increased exponentially for patients taking ≥100 MME/daily





Background

• In 2014, there were approximately 200,000 incidents of unintentional opioid overdose nationwide.

Setting: •Bay Pines VA during grand rounds.

•Also streamed live over Adobe Connect to the entire Department of Veteran Affairs, Veterans Integrated Service Network (VISN 8) network,

Measurement:

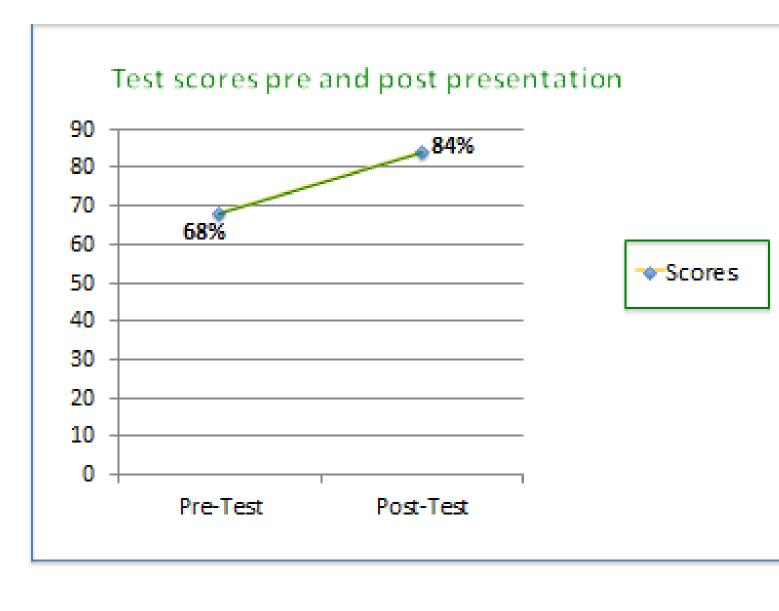
•Pre/post-test

Sent via email to the remote locations.

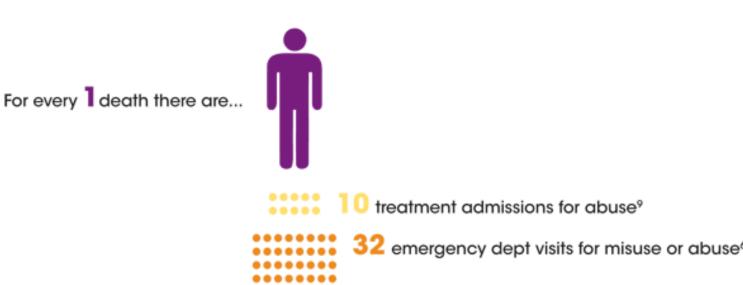


QI presentation.

• There was a causal relationship regarding the insertion of this QI presentation and an increased knowledge and comfort level regarding the safe administration of opioids and the distribution of Naloxone kits.



- Opioid pain medication use presents serious risks such as dependence, tolerance, opioid use disorder (OUD) and opioid overdose.
- Increasing naloxone kit distribution is essential in preventing death related to opioid overdose.
- The use of the CDC 2016 prescription guidelines, along with the adaptation of the OEND program will provide PCP's with clinical strategies to address this opioid overdose problem and decrease mortality from accidental opioid overdose.



- In 2014, there were one and a half times more drug overdose deaths in the United States than deaths from motor vehicle crashes.
- 60% of the 47,055 overdose deaths in 2014 were related to prescription opioids.
- It' estimated that nearly 2 million people abused or were dependent on prescription opioids
- The 2016 CDC Opioid prescription guidelines described a knowledge deficit regarding opioid prescribing among primary care providers as a contributing factor to this epidemic.

QUICK START GUIDE Opioid Overdose Response Instructions

Use NARCAN® (naloxone hydrochloride) Nasal Spray for known or suspected opioid overdose in adults and children Important: For use in the nose only. Do not remove or test the NARCAN Nasal Spray until ready to use.

* NARCAN (naloxone HCl)

Give

Nasal

Spray

NASAL SPRAY

Ask person if he or she is okay and shout name. Identify Shake shoulders and firmly rub the middle of their chest. Opioid Check for signs of an opioid overdose: Overdose Will not wake up or respond to your voice or touch and Check ng is very slow, irregular, or has stopped for Respon enter part of their eye is very small, sometimes called "pinpoint pupils" erson on their back to receive a dose of NARCAN Nasal Sprav

NARCAN **REMOVE** NARCAN Nasal Spray from the box. Peel back the tab with the circle to open the NARCAN Nasal Spray. **bld** the NARCAN Nasal Spray with your thumb on the bottom of the plunger

Gently insert the tip of the nozzle into either nostril.

and your first and middle fingers on either side of the nozzle.

 Tilt the person's head back and provide support under the neck with your and. Gently insert the tip of the nozzle into one nostril, until your fingers on either side of the nozzle are against the bottom of the person's nose.

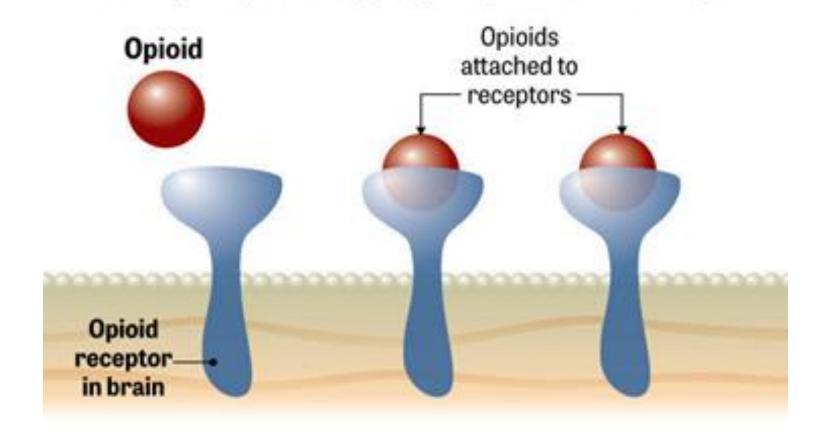
Press the plunger firmly to give the dose of NARCAN Nasal Spray. • Remove the NARCAN Nasal Spray from the nostril after giving the dose.



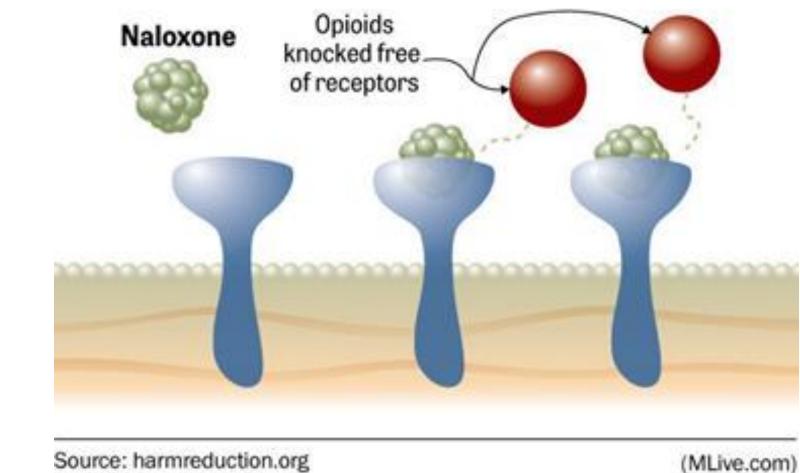
breathing normally another dose may be given. NARCAN Nasal Spray may

OPIOID OVERDOSE

The brain has many receptors for opioids. An overdose occurs when too much of an opioid (heroin, OxyContin, Percocet) fits in too many receptors, stopping the person's breathing.



Naloxone has a stronger affinity to the opioid receptors than opioid drugs, so it knocks the opioids off the receptors for a short time. This allows the person to breathe again and reverses the overdose.



130 people who abuse or are dependent⁷ *********************** ************************

	•	•	:		•••	:		•	:	•		:		•	•••		•••	:	•••		•		:			•		_	25 nme	edi	ca
	•	•		•	•••	•	•	•	•	•			•••		•••		•••		•••		•	•			•	•		use	ers.		
		•				•			:	•		•					•••		•••						•	•					
	•	:		•	•••	:	:	:	:	::	:	:			•••	:	::	:	::	:	:	•		:	:	:					

Opioid Calculation Conversion Tool											
Opioid Agent	Milligrams of opioid per Day equalling 50 MME	Morphine Equivalents (MME)	Ratio of Morphine/ Other Opioid Eq.								
Fentanyl Transdermal (TD)	25mcg/hr=0.6mg day	50mg	80-100:1								
Hydromorphone/Dilaudid	10mg	50mg	5:1								
Oxymorphone/Opana	17mg	50mg	3:1								
Oxycodone/Roxicodone	33mg	50mg	1.5:1								
Hydrocodone	50mg	50mg	1:1								
Tramadol/Ultram	500mg	50mg	1:10								
Codeine	500mg	50mg	1:10								

Acknowledgements

The authors wish to express our sincere



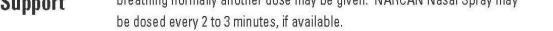
Nearly 15,000 people die every year of overdoses involving prescription painkillers.

15,000

In 2010, 1 in 20 people in the US (age 12 or older) reported using prescription painkillers for nonmedical reasons in the past year.



Enough prescription painkillers were prescribed in 2010 to medicate every American adult around-the-clock for a



Repeat Step 2 using a new NARCAN Nasal Spray to give another dose in the other nostril. If additional NARCAN Nasal Sprays are available, repeat step 2 every 2 to 3 minutes until the person responds or emergency medical help is received.

For more information about NARCAN Nasal Spray, go to www.narcannasalspray.com, or call 1-844-4NARCAN (1-844-462-7226). You are encouraged to report negative side effects of prescription drugs to the FDA. Visit www.fda.gov/medwatch, or call 1-800-FDA-1088. PHARMA

©2015 ADAPT Pharma, Inc. NARCAN® is a registered trademark licensed to ADAPT Pharma Operations Limited. A1009.0

Source: harmreduction.org

gratitude to our USF College of Nursing Faculty Advisors Dr. John Maye and Dr. Alicia Rossiter, for their guidance, support and commitment throughout this entire project. We wish to acknowledge the Research and Development Department at Bay Pines VAHCS, for their organizational support and for allowing us to implement this project at their facility. We would like to thank Dr. Kehinde, Dr. Diptee-Rodrigues and Dr. Wall for their project involvement and for the primary care staff who participated in this project.





KNEE STOPS BODY FROM

Veterans Health Administration



University of South Florida College of Nursing

