JTGERS School of Nursing

Introduction

THE OPIOID EPIDEMIC BY THE NUMBERS









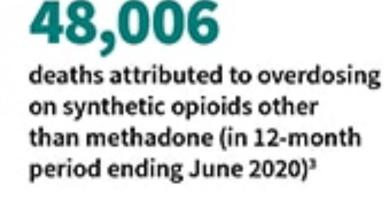




1.6 million

745,000 people used heroin in the past year

1.6 million eople misused prescription pain relievers for the first time





10.1 million people misused prescription pioids in the past year

million in the past year



50.000 for the first time



14,480 deaths attributed to overdosing on heroin (in 12-month period ending une 2020)

SOURCES

1. 2019 National Survey on Drug Use and Health, 2020.

2. NCHS Data Brief No. 394, December 2020. 3. NCHS, National Vital Statistics System. Provisional drug overdose death counts.

Objectives

- Develop a clinical protocol for the management of opioid overdose.
- Provide staff training to educate about the new opioid overdose management protocol.
- Evaluate the confidence level of the staff in applying the management of an opioid overdose protocol.
- Develop and introduce a policy for the drug rehab to implement the clinical protocol.

Clinical Question

• For medical and non-medical staff in a substance abuse rehabilitation inpatient treatment facility, does the implementation of an evidencebased protocol for management of an opioid overdose and staff education improve their confidence in treating a patient with opioid overdose?

Methodology

Study Design

- Quality improvement approach with a one-group posttest-only design Setting
- Inpatient drug and alcohol detox and short-term residential treatment facility in the suburban community of South Amboy, New Jersey Sample
- Thirty-two (32) participants (nurses, residential aides, counselor, and administrators).
- Convenience sample of employees at the rehab facility.

Protocol for Treatment of an Opioid Overdose Edna Hiers, BSN Feliciana Montalico, BSN, RN DNP Chair: Kathleen Patusky, PhD, MA, RN, CNS Team Member: Joseph Kimani, DNP, BSN

Study Procedure

- Developed and implemented an opioid overdose protocol.
- Distributed flyers for staff training.
- Provided staff training on treatment of an opioid overdose.
- Obtained inform consent and job title.
- Distributed questionnaires post training.

Analysis

- Descriptive statistics and nonparametric statistics (Mann Whitney-U) using SPSS.
- Descriptive analyses were reported as frequencies and percentages.

Results

Frequency & Percentage of Variables

Demographical Variable	Frequency	Percentag
Job Title		
Nurse	13	40.6
Residential Aide	10	31.3
Counselor	6	18.8
Administration	3	9.4
Q1 I am able to identify the signs of an opioid overdose.		
Strongly disagree	0	0
Disagree	0	0
Neutral	1	3.1
Agree	10	31.3
Strongly agree	21	65.6
Q2 I am able to follow the steps of the opioid overdose treatment protocol		
Strongly disagree	0	0
Disagree	0	0
Neutral	0	0
Agree	9	28.1
Strongly agree	23	71.9
Q3 I am able to properly administer naloxone intranasally		
Strongly disagree	0	0
Disagree	0	0
Neutral	2	6.3
Agree	9	28.1
Strongly agree	21	65.6
Q4 I am able to identify when to give a repeat dose of naloxone		
Strongly disagree	0	0
Disagree	0	0
Neutral	4	12.5
Agree	7	21.9
Strongly agree	21	65.6
Q5 Overall, I am able to handle an opioid overdose situation		
Strongly disagree	0	0
Disagree	0	0
Neutral	0	0
Agree	9	28.1
Strongly agree	22	68.8

- Staff reported above average scores in their confidence in handling an opioid overdose after the training.
- No one reported disagree or strongly disagree in their level of confidence.
- Using Man Whitney-U nonparametric test, no statistical significance in scores between the medical and non-medical staff were found, except with Q4 (p=0.047).

HHS.GOV/OPIOIDS

Clinical Practice

- developing opioid use disorders

Impact on Healthcare/Safety

- Reduce error

Economic/Cost Benefits

- opioid overdose.
- (Freeman et al., 2018)
- Prevents malpractice lawsuits.

Education

training as part of the curriculum for nurses..

Policy Implications

- treatment training session.
- of CPR to reach a greater amount of people

Conclusion

- Opioid overdose epidemic has taken many lives.
- overdose.
- more people.
- the protocol was used practically.

References

- 10.1080/08897077.2016.1176978

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Discussion

• Nurses are frontline and advocates for their patients • Improve prescribing practice of provides to reduce the risk of patients

• Improve the staff confidence in handling an opioid overdose.

Subsequently, reduce the mortality rate from an opioid overdose.

• Prevents excessive hospital costs to treat the detrimental effects of an

• Costs on average, \$11,700 in the U.S. per day for hospital stay

• Higher education should include substance abuse and naloxone

• Introduce a policy for all new employees to complete the training and for all current staff members to complete a yearly opioid overdose

• Naloxone training should be made into a universal policy such as that

• Staff without a medical license are capable of managing a drug

• It is important that staff members able to manage an opioid overdose and administer naloxone appropriately before EMS arrival. • Naloxone training should be taken as serious as CPR training to reach

• Further research is needed to conduct chart reviews to analyze how

• Allen, E,. Armstrong, D. (2017). Addiction treatment center's admissions shut down by mass. Over safety concerns. Retrieved from https://www.statnews.com/2017/08/25/mass-treatment-center/ Centers for Disease Control and Prevention. (2018). Stats of the State of New Jersey. Retrieved March 6, 2020, from https://www.cdc.gov/nchs/pressroom/states/newjersey/newjersey.htm • Lynn, R. R., & Galinkin, J. (2017). Naloxone dosage for opioid reversal: current evidence and clinical

implications. Therapeutic Advances in Drug Safety, 9(1), 63–88. doi: 10.1177/2042098617744161 Pade, P., Fehling, P., Collins, S., & Martin, L. (2016). Opioid overdose prevention in a residential care setting: Naloxone education and distribution. *Substance Abuse, 38*(1), 113–117. doi:

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