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Choosing Wisely: Identifying Rates of Appropriate Imaging in ED Patients Evaluated for PE

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Utilization of Motivational Interviewing for Opioid Intervention in the



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Background

The US is in the midst of an opioid crisis Rates of prescription opioids has quadrupled, Results

Figure 1: Screening/Intervention Flow Chart

Discussion

Screenings

There is currently no universally-accepted method of screening for OUD

Overdose Risk Questionnaire, consisting of a series of questions that may help indicate whether a patient is at high risk of overdosing if intervention does not

- along with subsequent illicit opioid drug use, in the last two decades
- Pennsylvania has the 5th highest rate of opioid overdose deaths
- Opioid Use Disorder (OUD) is a primary, chronic & relapsing brain disease characterized by pathologically pursuing reward and/or relief via opioid use
- An ED may be the first, or only, point of access to healthcare of OUD patients
- Screening, brief interventions, and referral-totreatment protocols administered by addiction liaisons have been incorporated in the ED setting
- Interventions with motivational interviewing have been shown to be highly successful in driving behavior

Problem Statement

This study sought to...

1. Examine the prevalence of SUD screened in the ED

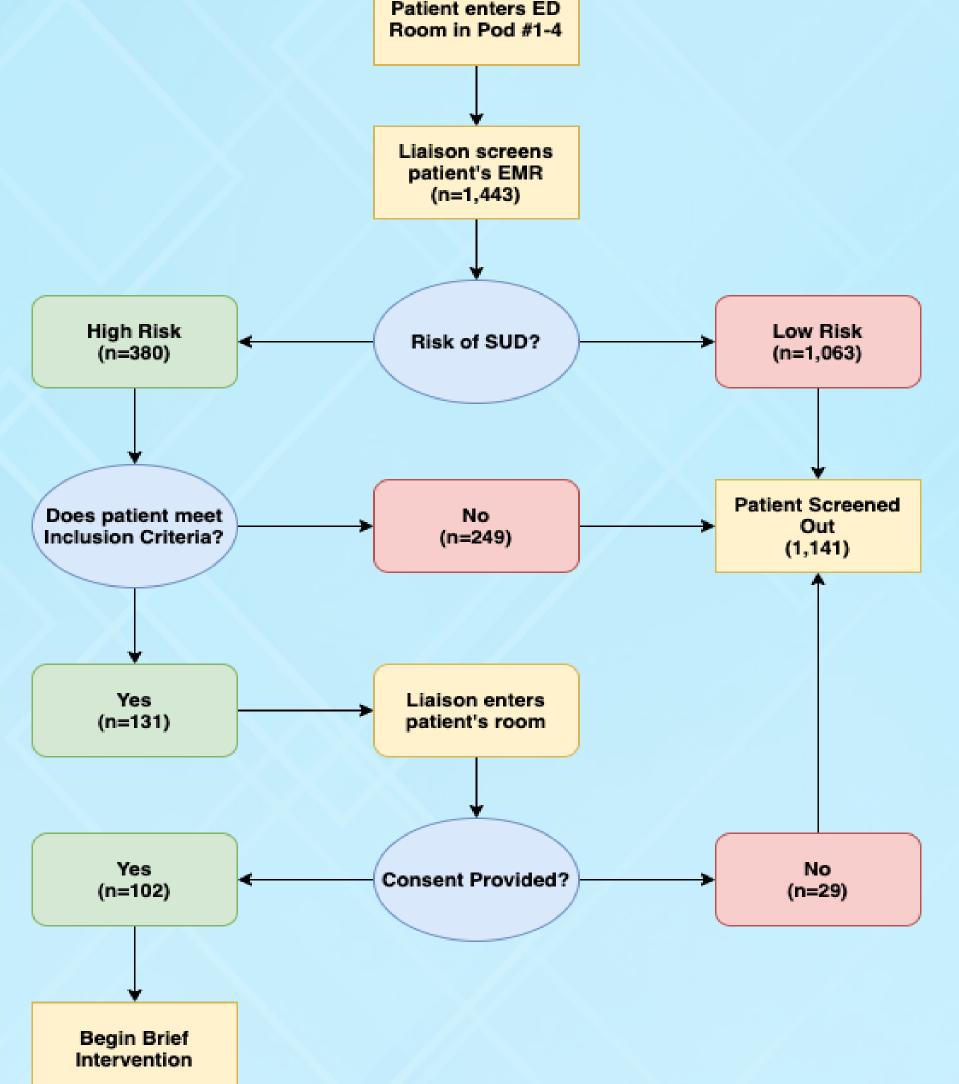


Figure 1: An addiction liaison begins screening patients for SUD/OUD at a single pod (subsection) of the ED between the hours of 7a-1a during a 6-week data collection period. Out of 1,433 total ED patients screened, 102 patients met inclusion criteria for SUD intervention. 21 of those were screened as highrisk for OUD (Figure 2).

- take place
- Limited by convenience sampling of portion of an ED at any given time
- **Brief Interventions**
 - Patients with OUD answered a median score of 10 out of 10 in their motivation to change
- Referral to Treatment
 - Brochures, points of contact, addiction specialist referral
 - Limited by a lack of medically-assisted therapy (MAT) options
- Narcan Kit Testing
 - Three distributed during 6-week interval
 - Two (66%) of three were reached for follow-up; both have injected in last 30 days and have not yet needed to use one, but appear appreciative of the free kit and on-scene training
 - Limited by necessity of online module training and presence of a family member/close acquaintance willing to takt the course
- SELECT Principles
 - Values-Based Patient-Centered Care
 - A motivational interviewing approach was taken in performing brief interventions, higher than alcohol and tobacco (median score of 6 & 7, respectively)
 - Health Systems
 - US Surgeon General 2016 report states SUD costs the country \$400 billion annually, after factoring lost work performance, healthcare & rehabilitation costs, overdoses, and criminality
 - Closing the treatment gap of OUD by increasing access via proactive approaches of ED interventions, providing free education, referral to treatment centers, and free naloxone kits
- Limitations
 - Small Sample Size, Temporal/Spatial Scope, Relatively Homogenous Demographic, English-Speaking only, Student Liaison Screening/Intervention Subjectivity
- Future Projects
 - Determine measurable impact of Interventions on Pt Outcome
 - Implement medically-assisted therapy protocol

2. Document the impact of motivational interviewing in an ED setting on opioid-use at a 6-week follow-up.

Methods

- A convenience sample of patients were approached on scheduled addiction liaison shifts
- Inclusion Criteria for Intervention
 - Over 18 years old
 - Have capacity
 - Not be critically ill
 - Admit to unhealthy use of opioids
 - Prescription opioids: Oxycodone, Percocet, Vicodin, etc.
 - Illicit opioid drugs: heroin, fentanyl
- If (+) for Opioid Use Screen, then asked following...
 - Have you ever used a needle to take a street drug?
 - Have you injected a street drug in the last 30 days?
 - Have you ever had an overdose before?

FIGURE 2: PARTICIPATION OF SCREENED OUD PATIENTS N=21

3: Disagreed; Too Sick to Particapate ■ 10: Agreed **3**: Disagreed; Psychiatric Reason **2:** Disagreed; Declined Interview ■ 1: Disagreed; Privacy Unattainable **2**: Disagreed; Too Young

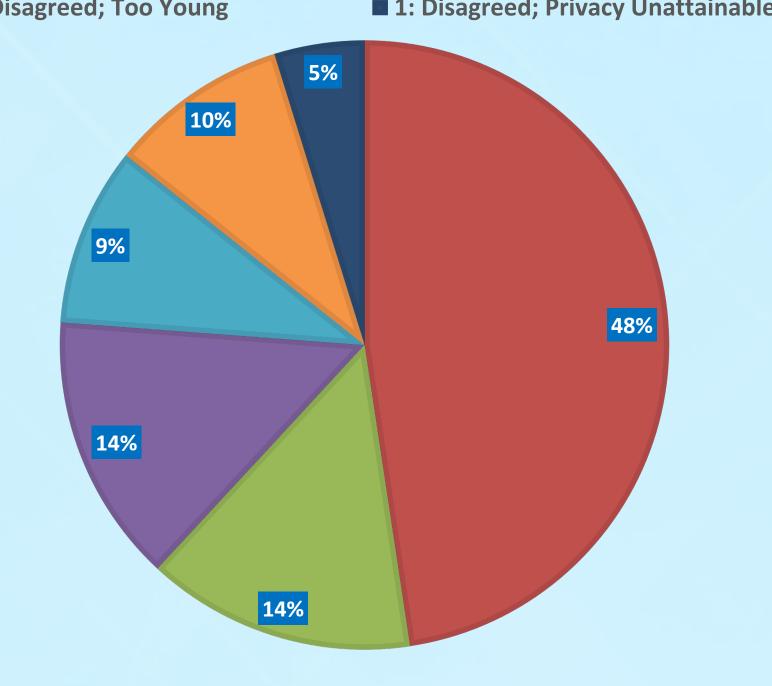


Figure 3: Survey Results of High-Risk Users

Received Narcan Kit/Completed Training

Injected in Past 30d

Conclusions

- The ED is a vital point of access to high-risk patients
- Medical students can be successfully utilized as addiction liaisons in a 'screening, brief Intervention, and referral-to-treatment' program

Acknowledgements...

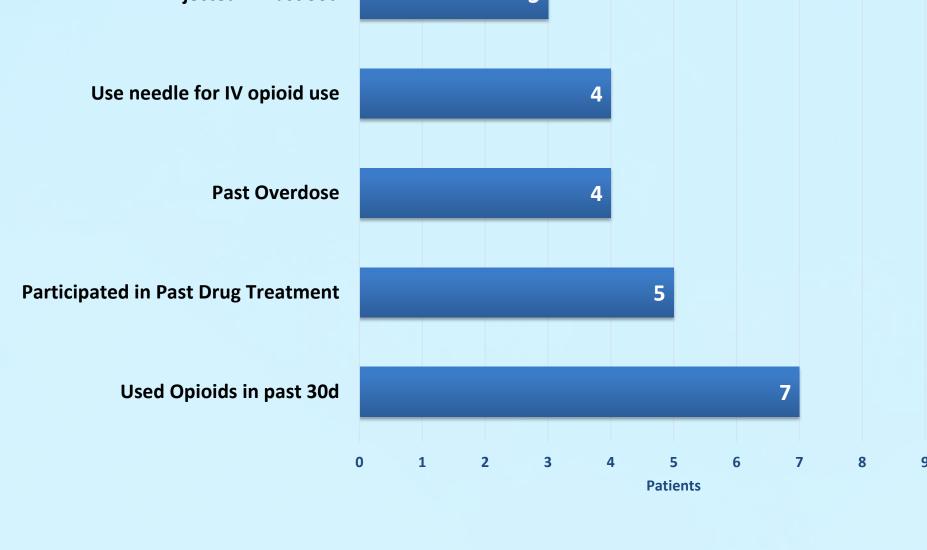
- Tennessee Park, Esther Kim, and Alanna Balbi my fellow addiction liaisons
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Patients answering yes to any of these questions are considered at high risk for opiate overdose,

- Offered standardized training in on-site Naloxone to any accompanying friends or family members.
- Those that complete training will be given an Endof-Training Survey
- 6-week Follow-Ups are given to all patients with OUD receiving brief interventions



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