Screening for Hepatitis C as Part of an Opioid Stewardship Initiative: Identifying Infected Patients and Analyzing Linkage to Care

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BACKGROUND

- Hepatitis C (HCV) remains a major cause of liver-related morbidity and mortality even though direct-acting antiviral drugs (DAAs) are increasingly accessible and have cure rates approaching 100%.¹
- Approximately 40% of persons with HCV don't know they are infected.²
- The demographics of HCV have shifted to younger patients, primarily due to the opioid epidemic and associated increased numbers of people who inject drugs (PWID).³ Often, the only touch point this population has with the medical system is in the acute care setting.
- Therefore, a robust screening program targeting patients with opioid use disorder (OUD) can potentially identify patients with HCV and present opportunities for linkage to care, cure, and disease prevention by breaking the chain of transmission in high-risk groups.

OBJECTIVE

This project aims to analyze the disposition of patients with OUD with encounters across our organization from May 2018 to November 2020 who were screened for hepatitis C.



The disposition of patients with a positive HCV retrospective chart review with patients categorized clearance (b) linked to care with HCV specialist (appropriately linked to care (e) not linked to care du nonadherence.

This project was part of a quality improvement init



Demographics, total population (N=5560) and positive screens (N=1494)





Figure 2

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METHODS	
g-term goal (2018-2020), Novant best practice alert (BPA) in the ders to order HCV antibody. retion of the ordering provider. / antibody was evaluated by d as: (a) known spontaneous virus	 Inclusion crite Diagnosis of OUD as define ICD-10 codes either historic point of encounter No HCV antibody within the months Exclusion crite Oncologic comorbidity Patient death in the interval and chart review
(c) previous treatment (d) not e to patient-directed discharge or iative and reviewed by local IRB.	
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RESULTS



d by one of 19 ally or at the

previous 12

between testing

- vulnerabilities more prevalent in patients with OUD.
- cure.
- PWID can decrease prevalence and incidence."⁵
- mortality, ranging from 46 to 71% across studies.⁷

- gastroenterology, or infectious disease
- itself, a contraindication to HCV treatment.

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SUMMARY & IMPACT

We found that **33.9%** of screened patients tested positive for HCV, identifying a need for ongoing screening efforts in this population. Of the seropositive cohort, 24% had known spontaneous viral clearance, consistent with reported statistics in PWID from 2016 (24.4%).⁴

Despite a BPA intervention to prompt screening, a large percentage of positive patients were not appropriately linked to care. Barriers include a lack of provider education on HCV referral and treatment concurrent to the BPA rollout, as well as psychiatric comorbidities and social

As a result of our intervention, **301 patients** were linked to care. With cure rates > 90% with DAAs, at least 270 patients have the potential for

Successful HCV treatment has substantial public health impact, with evidence that "even modest increases in successful HCV treatment among

Treatment and cure of HCV is associated with a 76% reduction in risk for hepatocellular carcinoma⁶ and have shown a significant decrease in

OPPORTUNITIES

Improving linkage to care for HCV patients by leveraging pre-existing patient/provider relationships with primary care providers,

Provider education efforts should be targeted to high-yield specialties such as behavioral health, emergency medicine, and obstetrics, and should include information on HCV testing, treatment, and referral. For example, active or recent drug use or concern for reinfection is not, by

REFERENCES