Increasing Hepatitis C Virus Screening Across Inner City Community Clinics

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INTRODUCTION

- Hepatitis C virus (HCV) infection is associated with cirrhosis and hepatocellular carcinoma (HCC).
- HCV cure is associated with lower mortality and reduced rates of HCC, but an estimated 51% of people with HCV are unaware of the diagnosis [1].
- In 2020, the United States Preventive Services Taskforce recommended universal screening for all adults aged 18 to 79 years [2].
- We conducted a quality improvement (QI) project at three federally-funded primary care clinics in New York City, to improve screening rates.

METHODS

- Plan-Do-Study-Act (PDSA) QI • We utilized the methodology.
- HCV screening was defined as a once-in-lifetime HCV antibody check.
- Pre-intervention data proportion of on screened was obtained.
- Serial interventions were deployed over 6 months:
 - Regular educational sessions for staff.
 - Informational posters in patient waiting areas.
 - Guideline reminders in consultation rooms.
 - Daily mentions at morning staff meetings.
- Screening rates were measured monthly during and after the period of active intervention.

RESULTS

- Pre-intervention (July 2021), 51% of adults at Clinic 1, 44% at Clinic 2, and 59% at Clinic 3 had been screened for HCV.
- There was an increase in screening rates from August 2021 January 2022, when interventions were actively deployed (Graph 1).
- By February 2022, screening rates had increased at all sites (Graph 2).
- Screening seemed to plateau once interventions were no longer reinforced.
- Rates of screening improved more at Clinics 1 and 2 than Clinic 3.



Graph 1: The percentage of eligible adults with at least one lifetime HCV screening test from March 2021 – March 2022, at Clinic 1. The red box indicates the period of active interventions with regular reinforcement of guidelines amongst clinic residents.

patients

HCV screening at Clinic 1

70%	
60%	
50%	
40%	
30%	
20%	
10%	
0%	

DISCUSSION

- Our

REFERENCES

- PMCID: PMC4751870.





Graph 2: The percentage of eligible adults screened for HCV before interventions (blue) and after interventions (red) at all clinic sites.

• Raising awareness about HCV screening guidelines among providers and patients was moderately effective at increasing screening rates in primarily underinsured patients in New York City.

data suggests continual reinforcement is necessary to sustain increases in HCV screening.

• We continue to run PDSA cycles to improve screening rates further at all sites.

• Reasons for weaker improvement at one site despite identical interventions need to be explored.

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2.US Preventive Services Task Force. Screening for Hepatitis C Virus Infection in Adolescents and Adults: US Preventive Services Task Force Recommendation Statement. JAMA. 2020;323(10):970–975. doi:10.1001/jama.2020.1123