

Improving Follow-ups with Gastroenterologists Utilizing an Appointment Scheduling Protocol in Inflammatory Bowel Disease: A Quality Improvement Project

Introduction

1 in 4 patients with inflammatory bowel disease (IBD) are readmitted within 90 days². While gastroenterology (GI) follow-ups are essential to reduce hospitalizations, the wait times for GI clinic appointments exceeded the goal of 14 days¹ nationally and locally.

Objectives

- To decrease time intervals from the time of referrals or hospital discharge to GI follow-ups.
- To improve patient satisfaction with GI clinic appointment scheduling service.

Methods

- **Intervention:** A new evidence-based appointment scheduling protocol
 - 1) Urgent scheduling slots
 - 2) A dedicated IBD scheduler
 - 3) Streamlined communication between GI fellows (inpatient), referring providers (outpatient), and the IBD scheduler
- **Design**: A pretest-posttest design \bullet
- Inclusion criteria: Adult patients with IBD &
 - 1) Hospitalized within 90 days and/or
 - 2) Newly referred (inpatient/outpatient)
- **Primary outcome:** The wait time for GI clinic appointments extrapolated from chart review.
- Secondary outcome: Patient satisfaction via in-person/ Qualtrics surveys
- **Data collection:** 0 week and 12 weeks
- **Data Analysis:** Descriptive statistics

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Table 1 Demographic data			Table 2 The Wait time and Patient Satisfaction			
Demographic	Pre-test	Post-test	Outcomes	Pre-test	Post-test	P value
Characteristics	(N=9)	(N=7)	Wait times (in days)	(n=9)	(n=7)	0.408
Age, mean (SD)	53.0 (19.9)	46.4 (13.5)	Median (IQR)	25.0 (42)	27.0 (22)	
			Mean (SD)	40.4 (31.9)	21.9 (11.4)	
Sex, n (%)			Patient Satisfaction (5-point Likert scale)	(n=4)	(n=2)	Not
Male	1 (11.1)	3 (42.9)	Median (IQR)	4.5 (1)	5.0 (0)	tested
Female	8 (88.9)	4 (57.1)	Mean (SD)	4.5 (0.6)	5.0 (0)	
IBD diagnosis, n (%) Crohn's disease Ulcerative colitis	7 (77.8) 2 (22.2)	2 (28.6) 5 (71.4)	Figure 1 The Wait Time in	Pre- and Pe	ost-test Gr	oup
Reason for visit, n (%) Discharge follow-up To establish care	5 (55.6) 4 (44.4)	5 (71.4) 2 (28.6)	100 0 ⁹			
Visit type, n (%) In-person Video	6 (66.7) 3 (33.3)	4 (57.1) 3 (41.9)	40 (days) 40 40			
Patient type, n (%) New Return	6 (66.7) 3 (33.3)	5 (71.4) 2 (28.6)	20			

Note: Pre-and post-test groups were heterogenous.

- **Patient satisfaction:** the response rate was poor for interpretation (47%).

Despite the small sample size, our project was the first quality improvement initiative that implemented an evidence-based appointment scheduling protocol among adult patients with IBD. Further studies are warranted with a larger sample size to better evaluate its efficacy on timely access to outpatient GI care.

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Results



Wait times: following the intervention, the wait times reduced by 18.5 mean days but statistically insignificant due to the small sample sizes (p=0.408).

Conclusion

References





