

Introduction

- Colorectal cancer (CRC) screening is a critical preventative service and part of routine patient care
- CRC is the second leading cause of cancer death in the US, yet a third of the eligible population does not undergo routine screening
- Endoscopy centers have been stretched thin by both COVID-19 and the recent inclusion of adults aged 45-50 in screening guidelines
- Fecal immunochemical testing (FIT), a sensitive and specific CRC screening modality, may be used to reach and risk-stratify more patients to increase the yield for detecting advanced neoplasia and cancer, reducing pressure on colonoscopy centers
- FIT is often seen as suboptimal due to low rates of completion and return of the test kits

Methods

- Retrospective analysis of 5211 individuals at a single internal medicine residency clinic who had FIT ordered as part of USPSTF recommended care from 01/2017 through 12/2021
- A dedicated patient navigator was introduced in Jan 2021 to support patients in completing FIT. The navigator was bilingual and provided personal outreach via phone
- Chi-squared, Fisher's exact test, and Student's t-tests were performed for descriptive analyses
- Multivariable logistic regression was used to compare FIT kit drop off rates pre- and post-intervention, with the model adjusted by age, gender, race, ethnicity, language, and insurance status
- Analysis was performed in SAS version 9.4

Contact: Hannah Winthrop Fiske, Brown University / Rhode Island Hospital Email: hannahwfiske@gmail.com | Twitter: @HannahWFiske

Patient Navigator Pilot to Improve Completion of FIT Testing in Primary Care

Hannah Fiske, MD¹, Ross Hilliard, MD¹, JFG Monteiro², R Grisson³, M Holloway⁴, C Bridges Feliz⁴, Harlan Rich, MD⁵

¹Department of Internal Medicine, The Warren Alpert Medical School of Brown University; ²Department of Medicine at Lifespan / Brown Medicine; ³Department of Pathology, The Warren Alpert Medical School of Brown University; ⁴Lifespan Community Health Institute; ⁵Division of Gastroenterology, The Warren Alpert Medical School of Brown University;

VARIABLE N (%)	STUDY GROUP PRE-INTERVENTION N=4030 (77.3%)	STUDY GROUP POST-INTERVENTION N=1181 (22.7%)	P-VALUE	TOTAL N=5211 (100%)	•
Female Gender	1880 (46.7)	562 (48.3)	0.3139	2442 (47)	•
Age, mean (SD)	59.5 (+/- 6.8)	58.8 (+/- 8.4)	0.0076	59.3 (+/- 7.2)	
45-50	265 (6.6)	210 (17.8)	<0.0001	475 (9.1)	ы Ц
51-64	2759 (68.5)	671 (56.8)	<0.0001	3430 (65.8)	during
65-75	1006 (25.0)	300 (25.4)	0.7593	1306 (25.1)	duals
Hispanic/Latino	1740 (43.5)	529 (47.4)	0.0200	2269 (44.3)	individ
Race					ofine
White/Caucasian	1380 (34.6)	321 (27.4)	<0.0001	1705 (33.0)	
Black/African American	910 (22.8)	279 (23.8)	0.4524	1189 (23.0)	centage
Asian	115 (2.9)	25 (2.3)	0.1685	140 (2.7)	Perc
Others	1585 (39.7)	546 (46.6)	<0.0001	2131 (41.3)	
Insurance					
Neighborhood	1426 (36.5)	435 (38.7)	0.3609	1861 (37.0)	
Medicare	774 (19.8)	167 (14.9)	<0.0001	941 (18.7)	•
Medicaid	185 (4.7)	37 (3.3)	0.0292	222 (4.4)	
Commercial	1519 (38.9)	481 (43.0)	0.0592	2000 (39.8)	
Language					
English	2207 (54.8)	578 (48.9)	0.0004	2785 (53.4)	
Spanish	1460 (36.2)	453 (39.0)	0.0899	1913 (36.8)	•
Portuguese	80 (2.0)	18 (1.6)	0.3342	98 (1.9)	
Others	278 (6.9)	96 (8.3)	0.1133	374 (7.2)	•
	-	atients who underwent FIT tes n periods, from 2017 to 2021.		Overall FI drop of	T kit
	Discussior				
 FIT can increase CRC screening rates, particularly in resource-limited settings, and may decrease the burden on endoscopy centers nationwide by improving the efficiency of colonoscopy in the average risk screening population 				Drop off w 2 week	
 The addition of a dedicat providing culturally comp 	ed patient navigator is	s a simple intervention t	•	Drop off w 1 mont	
rates and return time, all	owing FIT to be a relia	ble method of screening	g	Drop off w 3 month	

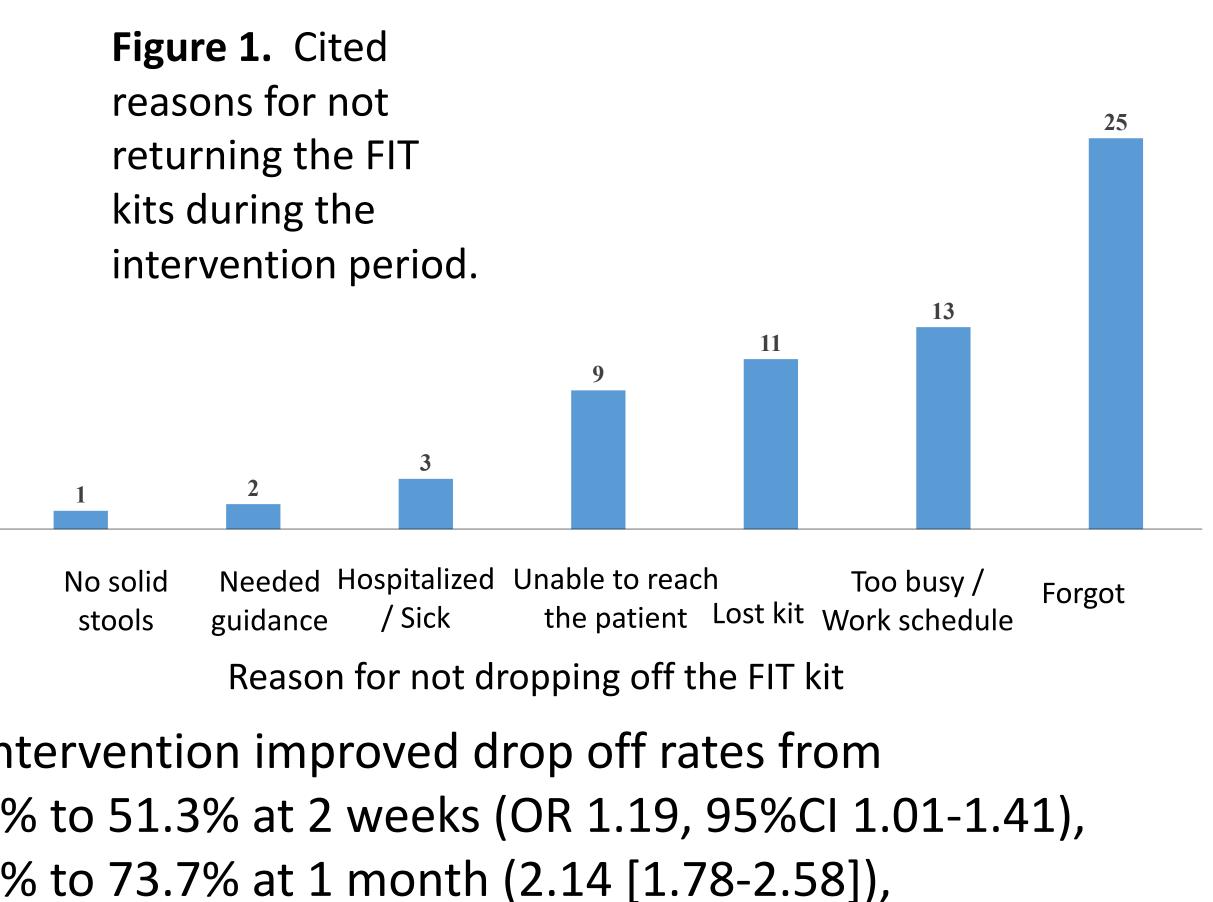
- The ability to increase screening rates and prioritize patients for diagnostic colonoscopies will ultimately lead to earlier detection and treatment of CRC





Results

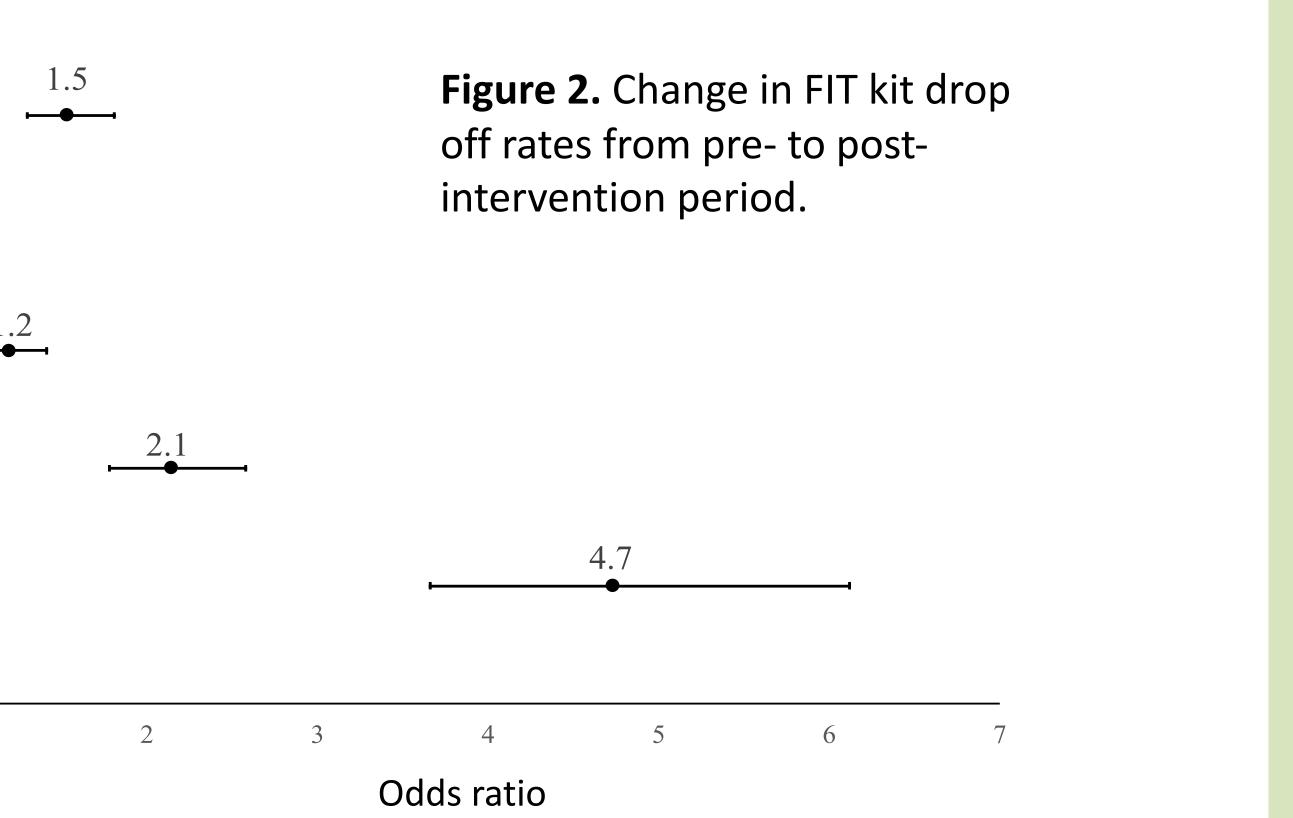
ost-intervention period included 1181 (22.7%) patients minant reasons cited for failure to complete testing "forgot" (25%), "too busy" (13%), and "lost kit" (11%)



- % to 89.7% at 3 months (4.73 [3.66-6.12]), and
- % to 98.2% at 1 year (14.39 [8.25-25.12])

II, our intervention improved FIT kit drop off rates by (1.53 [1.30 - 1.81])

as positive in 4.9% (p=0.0529)



© Poster Template by Genigraphics® 1.800.790.4001 www.genigrap