

A Claims Analysis of Colorectal Cancer Screening Initiation Among Medicaid **Enrollees Who Received a Mailed Screening Intervention**

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Background

- Screening is effective in reducing colorectal cancer (CRC) incidence and mortality¹
- Medicaid enrollees have the lowest CRC screening rates among insured individuals^{2,3}
- Fecal immunochemical testing (FIT), a stool test recommended as an annual CRC screening modality, can reduce barriers to screening commonly associated with colonoscopy

Objective

• To assess CRC screening patterns among Medicaid enrollees not current with screening who received a mailed FIT-based intervention

Interventions

2,144 North Carolina Medicaid enrollees ages 52-64 and due for screening were previously randomized to one of two FIT interventions⁴:

Reminder + FIT



Mailed reminder letter plus a FIT kit, instructions & return mailing supplies

VS.



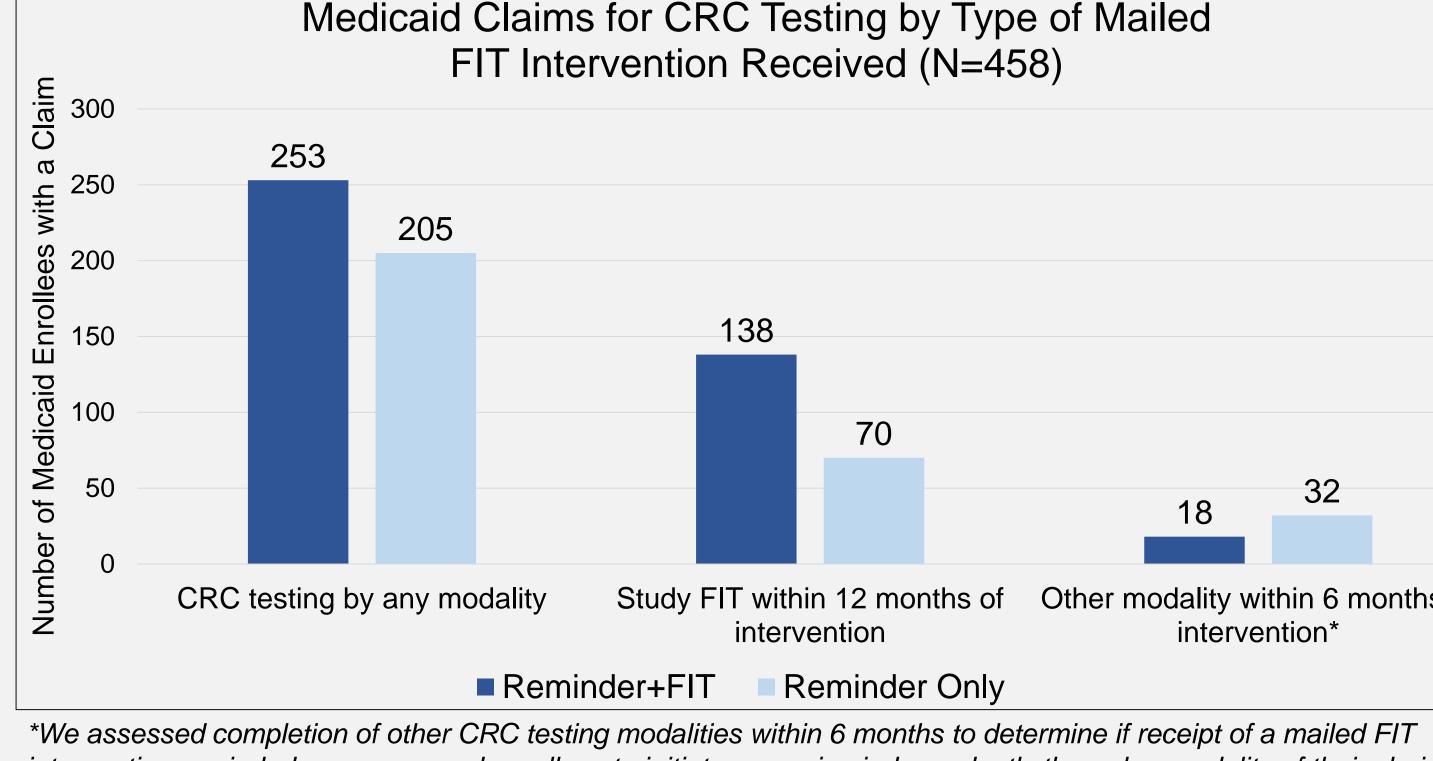
Reminder Only

Mailed reminder letter that patient is due for screening & instructions for obtaining a FIT kit

Methods

- Obtained Medicaid claims for this cohort from October 2016 to August 2018, providing 18 months of follow-up from the initial mailings
- Determined the proportion of enrollees with a completed FIT within 12 months of intervention
- Identified other non-FIT modalities of CRC screening within 6 months of the intervention

Results

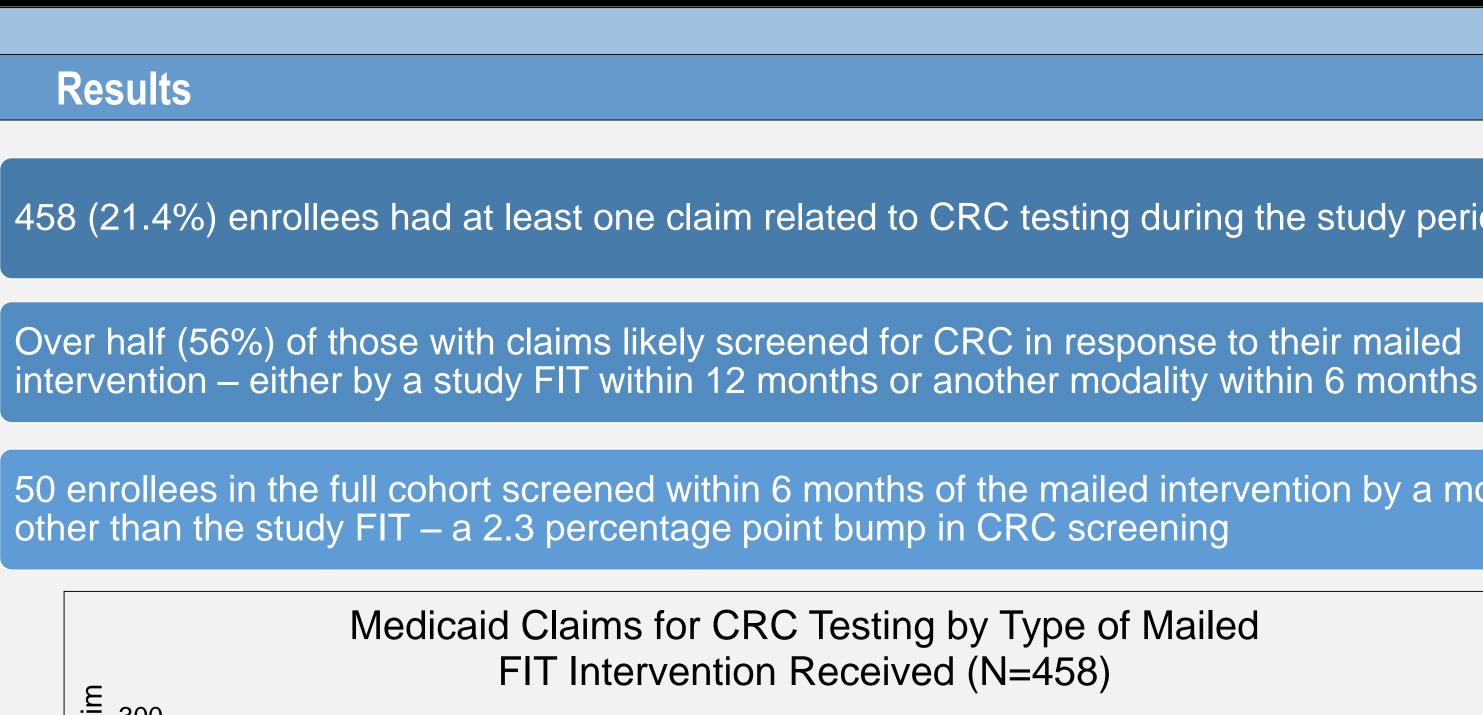


Types of Non-Study FIT Modalities Used Within 6 Months of Mailed FIT Intervention by Study Arm (N=50)

Reminder+FIT

15 colonoscopie

3 non-study stoc



intervention reminded or encouraged enrollees to initiate screening independently through a modality of their choic

(N=18)	Reminder Only (N=32)
es	25 colonoscopies
ol tests	6 non-study stool tests
	1 barium enema
	1 barium enema

Repeat CRC Testing Claims

- 25 enrollees (12%) who retu a study FIT and had a norma result completed routine repo screening in the subsequent
- Of these enrollees, 20 (80%) received the Reminder+FIT 5 (20%) received the Remine Only

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	Conclusions
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od	 Both interventions were associated with improved CRC screening in a population with relatively low screening rates
odality	 Reminder+FIT initiated higher screening rates both overall and specifically by FIT, while the Reminder Only was associated with more CRC testing through other modalities
	 In addition to increasing FIT screening, mailed FIT interventions promote other healthy screening behaviors
	Limitations
	 6-month window for assessing screening uptake may have missed other screens motivated by the intervention
	 18-month study period did not allow for assessing repeat FITs among all enrollees
	Acknowledgements
s of ce.	 We are grateful to the Community Care of North Carolina for their assistance with obtaining the claims data. This study was supported by UNC Lineberger Comprehensive Cancer Center and the University Cancer Research Fund through a Tier 2 Stimulus Award (Wheeler/Brenner), and Cooperative Agreement Number U48-DP005017 from the Centers for Disease Control and Prevention (CDC) Prevention Research Centers (PRC) Program and the National Cancer Institute (NCI), as part of the Cancer Prevention and Control Research Network (CPCRN). MCO is supported by the Cancer Care Quality Training Program, Grant No. T32-CA-116339.
6	References
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