



Improving Colorectal Screening Through Evaluation and Promotion of FIT DNA Testing



Background/Introduction

Samaritan Health Services surveillance method for Colorectal Cancer (CRC) is inconsistent and can lead to care gaps, a delay in cancer detection, and to CRC being detected at later stages of disease. Colon cancer screening is an excellent tool for preventative health within a community, and primary analytic data collection is necessary to designing future intervention(s) that will have a significant impact on the population.

- We do not have a method for collecting widespread surveillance data for CRC screening within the SHS network to help identify care gaps. This severely limits our ability to address care disparities across our system.
- There is a lack of patient navigation for CRC screening and the follow-up process if a screening test is positive.

Goals/Objectives

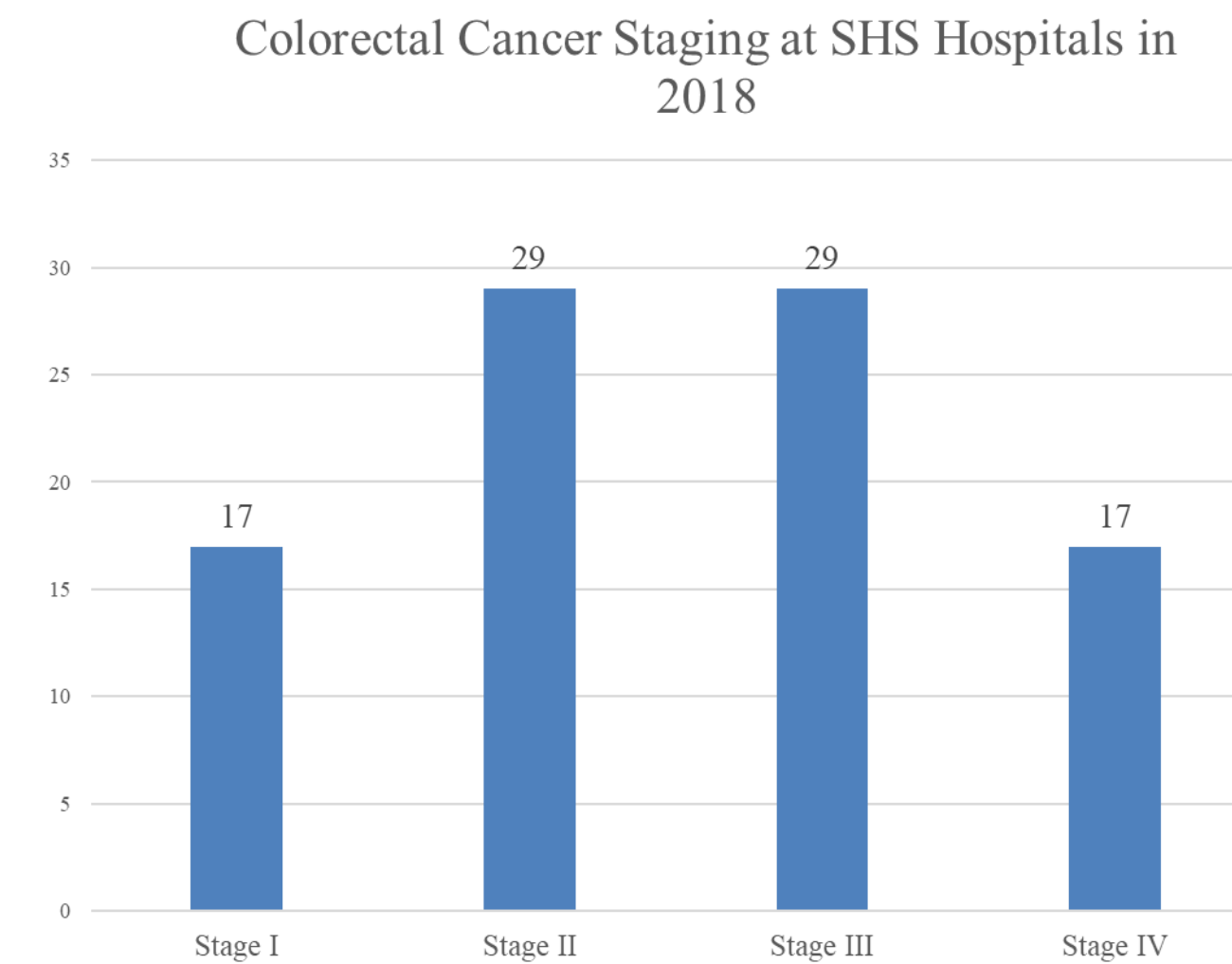
- We will develop EPIC reports from 3 sites (Lincoln, Benton, and Linn County) to generate a list of adults aged 45+ who are eligible for Colorectal Cancer Screening. We will randomize 100 patients from each site and manually collect retrospective data from their chart. From this data, we hope to gain insight on how many patients complete screening, are up to date on screening, and follow-up colonoscopy rates.
- The short-term goal of this project is to better understand how Samaritan sites compare to each other regarding CRC screening, investigate disparities found, and learn more about the population we serve and why they may be hesitant to participate in CRC screening.
- Long-term, we hope to collaborate with other internal leaders to develop a sustainable surveillance method and look at implementing interventions to improve our quality of care.

Key Partners

Ryan Fahey, Primary Project Coordinator
 Zoe Herrera, SHS Health System Biostatistician
 Samaritan Colorectal Cancer Subcommittee

Target Population

The populations targeted by this project are Samaritan Health Service patients who are eligible for CRC screening but have not fully completed or continued surveillance for their screening. Not undergoing the screening process or failing to complete screening can result in worse patient outcomes and intensify the treatment needed if the patient is found to have CRC.



Stage	5-year net survival for colon cancer	5-year net survival for rectal cancer
Localized	91%	90%
Regional	72%	74%
Distant	13%	17%
All	63%	68%

Colorectal Cancer Survival Rates | Colorectal Cancer Prognosis, n.d.)

Evaluation Plan, Tools, and Timeline

Timeline	Specific Activities	Objective
Months 1-2	Work with biostatisticians and care coordinators to develop an efficient way to collect and evaluate current colorectal screening data. This will include colonoscopy, FIT testing, FIT DNA testing, and imaging methods.	Collection strategy of EMR developed, evaluation strategy through external metrics and clinic comparison.
Months 3-6	If confirmed to be the most efficient way to collect data, run EPIC reports and extract retrospective data regarding colorectal screening status.	Run reports in EPIC, sort and organize data utilizing Excel. Analyze and summarize data.
Months 7-11	Cross compare colorectal cancer screening rates between three community healthcare sites. Identify gaps in care and needs to be met.	Begin developing intervention strategies to address and improve screening. Continue refining as needed.
Month 12	Present information to providers and Samaritan's Colorectal Cancer Subcommittee.	Share findings and gather resources to begin implementing intervention strategies.

References/Acknowledgements

- Funding for this project was provided in part by the OHSU Knight Cancer Institute Community Partnership Program, a grant program that supports communities across Oregon in addressing local cancer-related needs.
- Colorectal cancer survival rates: Colorectal cancer prognosis. Colorectal Cancer Survival Rates | Colorectal Cancer Prognosis | American Cancer Society. (2023, March 1). <https://www.cancer.org/cancer/types/colon-rectal-cancer/detection-diagnosis-staging/survival-rates.html#Where%20Do%20These%20Numbers%20Come%20from?>