# Understanding Patient-Reported Barriers to CRC Screening: A Literature Review

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# Introduction

Colorectal cancer (CRC) is the third-most commonly diagnosed cancer among American adults and is estimated to cause the second-most deaths among all cancer types (Siegel, 2018). Globally, in 2018, there were 1.8 million new cases of CRC and approximately 861,000 deaths due to CRC (WHO)

Compliance with the guideline recommendations for CRC screening (United States Preventive Services Task Force (USPSTF), American Cancer Society (ACS)) remains low despite concentrated efforts to improve adherence

Clarifying the reasons why patients are non-compliant and defining patient reported barriers to the adherence to screening guidelines is crucial to the successful development and implementation of CRC screening programs

# Methods **Review Process** Search Process **Search Terms** "Colorectal Cance START "Participation "Compliance" "Adherence" 503 Papers Reviewed 9,215 Papers Rejected

### Paper included if...

- Paper contains original research on patient reported barriers to CRC screening
- Patient population includes a majority of adults with no history of CRC
- Research survey quantifies patients' responses in order to rank the barriers

Paper excluded if...

- Paper focuses on elderly adults
- Health-provider reported barriers (we want to know why individual patients are not getting screened)

## Results

### **Proposed Barrier Categories**

- "Never heard of the
- "Did not understand what colorectal cancer is"
- "Lack of education about CRC"
- "Unaware of test "Not knowing where to get screened"
- "Don't know frequency at which to go for screening"
- "Didn't know it had to be done"

### **Lack of Time**

- "Social burden and life circumstances "Time/too busy/too
- "Had no time"
- "Competing priorities "Test too time
- consuming" "Too busy to go/no
- "It takes too much - "Competing priorities, including chronic

conditions"

## **Doctor Order**

"Finances"

"Had financial

constraints"

"Cost of test"

"Test expensive"

"Cost of further

too expensive"

insurance'

Logistics

"Logistics"

return site"

operation"

screening is positive

"Not having health

"No transportation

"Limited return sites

"Return site hours o

"Access barriers"

"Transportation

"Screening is

inconvenient'

"I did not have

transportation"

"Transportation to

treatment. if

### "Doctor didn't order the test" insurance/cost"

- "Primary care physician did not explain colonoscopy thoroughly"
- "PCP did not offer alternatives to colonoscopy" "Physician never
- recommended the
- "No clinician's recommendation

- "Don't know"

- "Unable to call, did

not receive a call"

"Laxative didn't work"

someone harmed by

"Language barriers"

"Lack of motivation

"Forgetfulness"

"Knowledge of

- "Other"

### - "I was afraid"

findings"

## "Didn't think it was

"Fear of pain from

"Fear of cancer

"Fear of tube/fear of

uncomfortable or

· "Fear of abnormal

embarrassing"

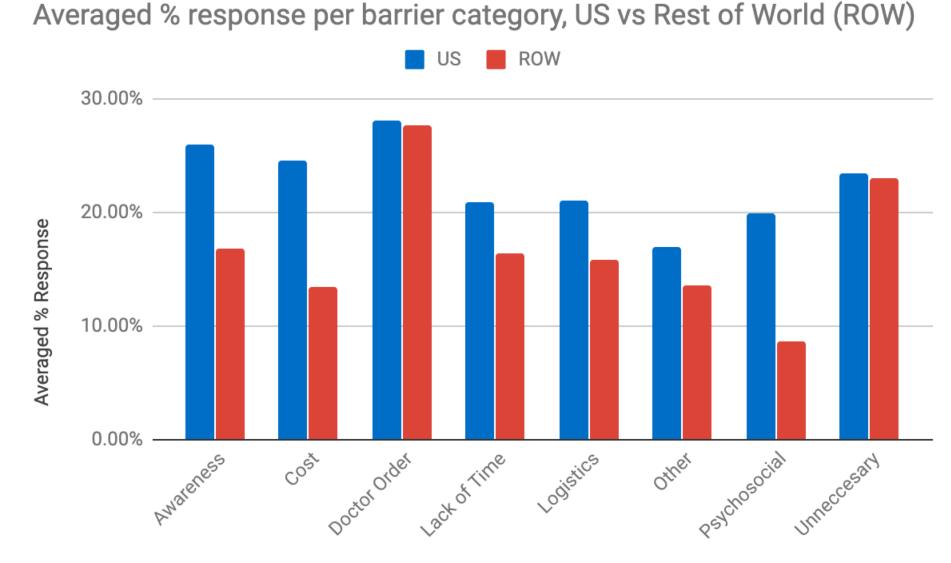
procedure

· "Test was

- "No problem/no symptoms"
- "Perception of not "Not necessary as am healthy"
- "Haven't had any
- "They saw no need because they were not having any

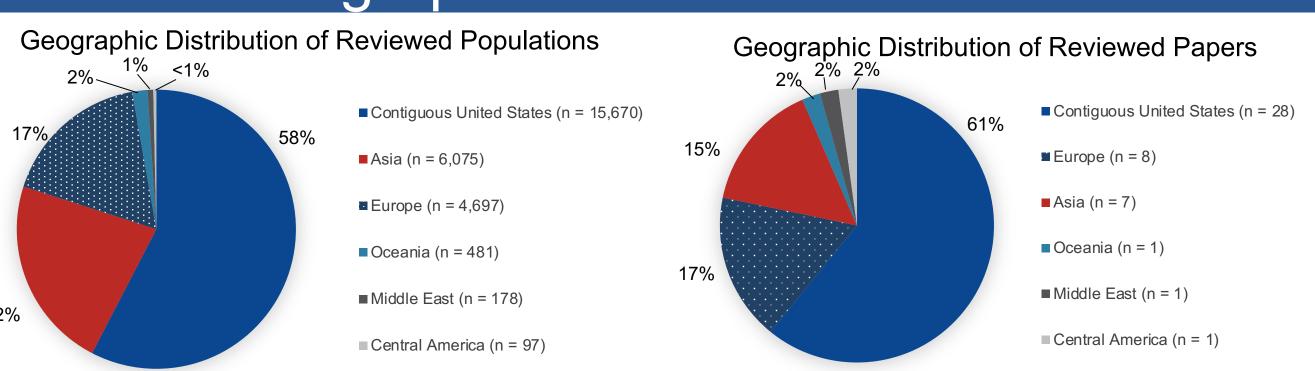
### **Unnecessary**

- "I am very low risk of colorectal cancer"



# Doctors' failure to order the test and patients' belief that screening is unnecessary are major global barriers to CRC screening





# Conclusions

This extensive and comprehensive literature review identified that, the most effective screening compliance intervention should be aimed at clinician education

Health providers should be cognizant of these patient-reported barriers to CRC screening when developing interventions.

Future research should analyze differences in compliance among populations of different socioeconomic status (SES), as lower SES is a commonly cited predictor of poor screening compliance.

# References



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