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Colorectal cancer screening uptake among migrant populations:

an umbrella review

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Plan

- Introduction
- O What about the literature?
- Research question
- Methods
- Results
- Strengths and limitations

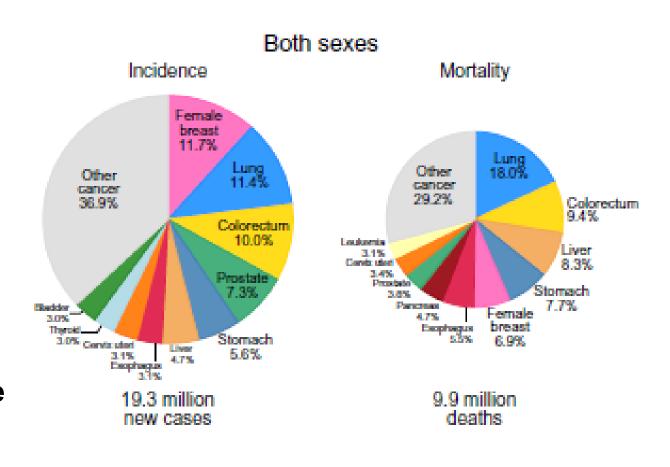


Introduction

#Pop Health Colorectal cancer is the third most common cancer worldwide, accounting for approximately 10% of all cancer cases and is the second leading cause of cancer-related deaths worldwide (WHO, 2023)

 Early detection through screening can reduce mortality and incidence of several cancers (National Agency for Cancer Registration, 2023)

 Cancer is often diagnosed at later stages among migrants (WHO, 2022)



Sung et al 2021 Global Cancer Statistics 2020

What about the literature?

- Extensive research in cancer screening has been conducted worldwide in migrant populations and important social disparities have been reported.
- There is diversity amongst migrants (e.g., refugees, economic migrant, first/second generation...) However, research rarely takes this diversity into account.

Research question:

 What do we know in the literature about colorectal cancer screening in different migrant populations and the factors (barriers and facilitators) associated with this participation?





Methods

o Inclusion criteria:

- Reviews on cancer screening uptake and associated factors in migrant populations.
- All types of reviews (e.g., narrative reviews, scoping reviews, systematic reviews with or without meta-analyses)

o Literature search:

PubMed and Google Scholar

• Extraction:

- Prevalence of colorectal cancer screening uptake
- Barriers and facilitators
- Extraction carried out by two researchers blinded for 50 % of the extraction
- Discrepancies were resolved by consensus discussion with a senior researcher



Results 1/4

- 5 reviews were included, representing 3
 host countries, published between 2015
 and 2020 and 19 primary studies,
 published between 2005 and 2018
- All reviews (100%) focused NOT only on colorectal cancer screening.
- Based on extraction, 17 primary studies came from the United States of America.
- 4 primary studies included descendants of migrants (second generation)





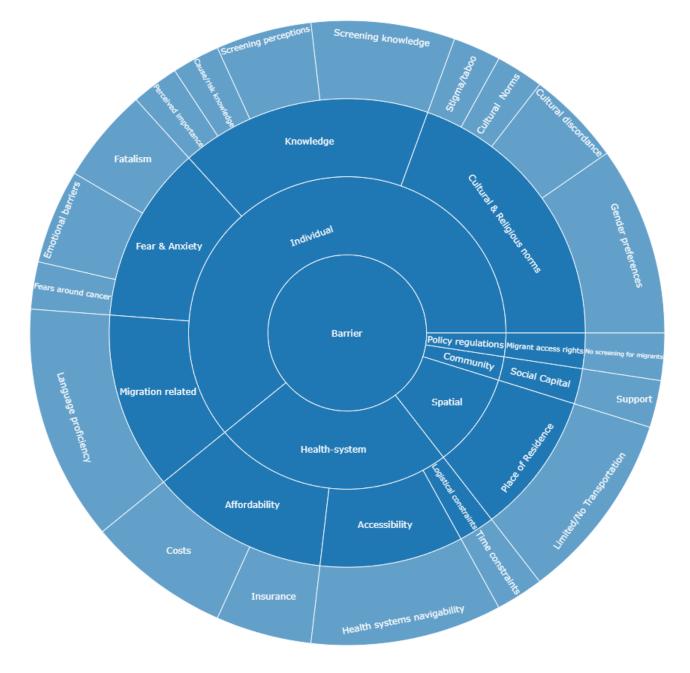
Results 2/4

- The proportion of colonoscopy varies between 15-50% for the <u>first generation</u> and is 50% for the <u>second generation</u>
- Sigmoidoscopy: 23% for the <u>first generation</u>
- Health education programme for the <u>first generation</u>:
 - Fecal Blood Test (FOBT): 70%
 - All test: 45-85%
- Only one primary review concerns <u>refugees:</u> 39% (colonoscopy)
- No findings for other types of migrant populations (e.g., refugees, economic migrants,...)

Results: barriers 3/4

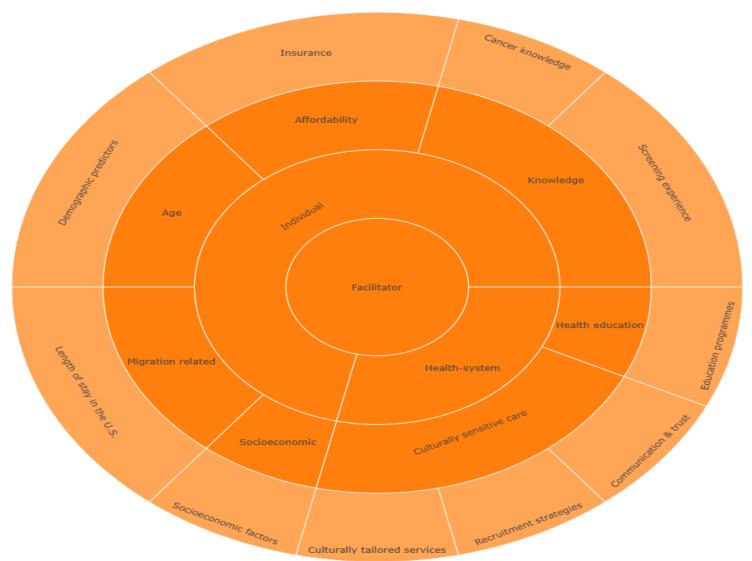
Mainly **individual barriers** with:

-Cultural & Religious norms, knowledge, fear and anxiety and migration related (language)





Results: facilitators 4/4



Mainly individual facilitators:
-Knowledge,
Affordability, Age,
Migration related,
socioeconomic

...but also from the Health-system:
-Health education and culturally sensitive care



Strengths

- Extensive piece of work, taking into account of some aspects of migrant identity (characteristics) relevant for screening
- Data extraction was performed independently by two reviewers

Limitations

- Publication bias
- Flow chart screening was conducted by a single reviewer
- The methodological quality of the reviews was not assessed



Take-home messages

- More research is needed among migrants by better differentiating between migrant populations.
- Most host countries need to be studied because they play an important role in shaping migrant disparities in screening. This suggests that different health policies across countries affect screening uptake for migrants in different ways.
- Increasing screening rates for the migrant population may be a way to prevent social disparities in secondary prevention of cancer.



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Thank you very much!

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#Pop Health Lab

