

Ontario's Colorectal Cancer Screening Program

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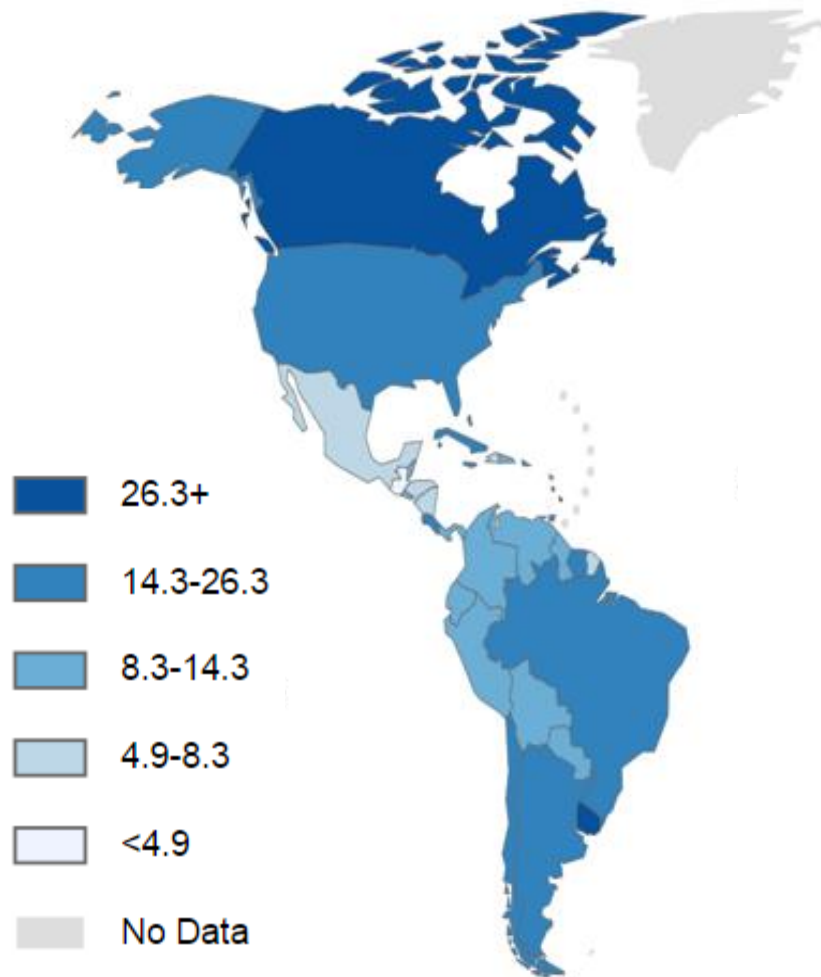


Outline

- Burden of disease
- Organized vs. opportunistic screening
- Ontario's program
- Learnings

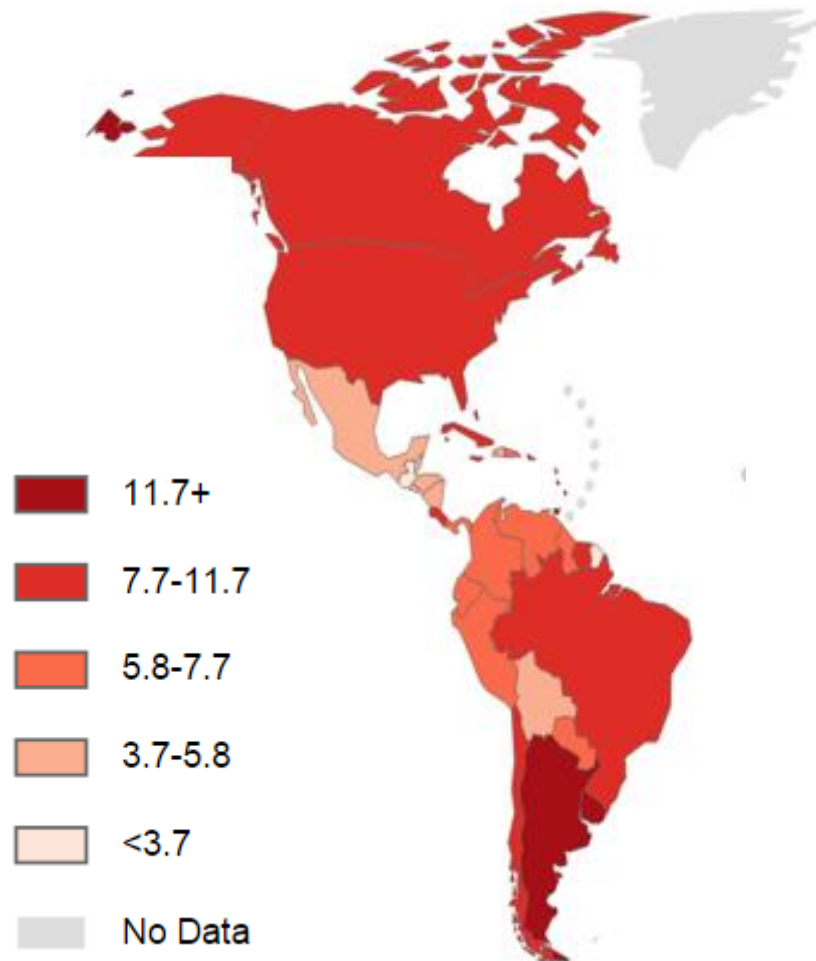
Burden of Disease

Colorectal Cancer Incidence: North and South America (both sexes, per 100,000)



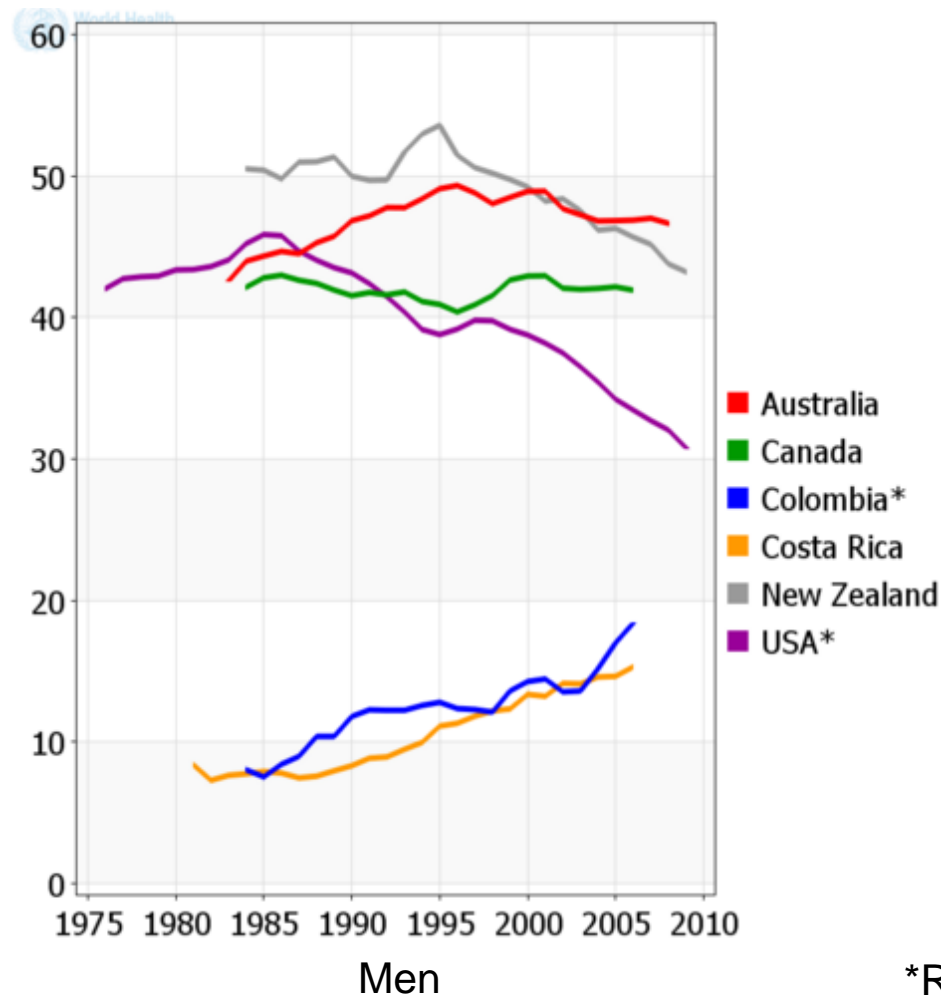
Source: GLOBOCAN 2012 (IARC)

Colorectal Cancer Mortality: North and South America (both sexes, per 100,000)



Source: GLOBOCAN 2012 (IARC)

CRC Incidence Trends (per 100,000): Oceania, North and Latin America



Organized vs. Opportunistic Screening

Organized Screening Program

- Defined target population
- Invitations to screen
- Timely access
- Quality assurance
- Tracking of outcomes



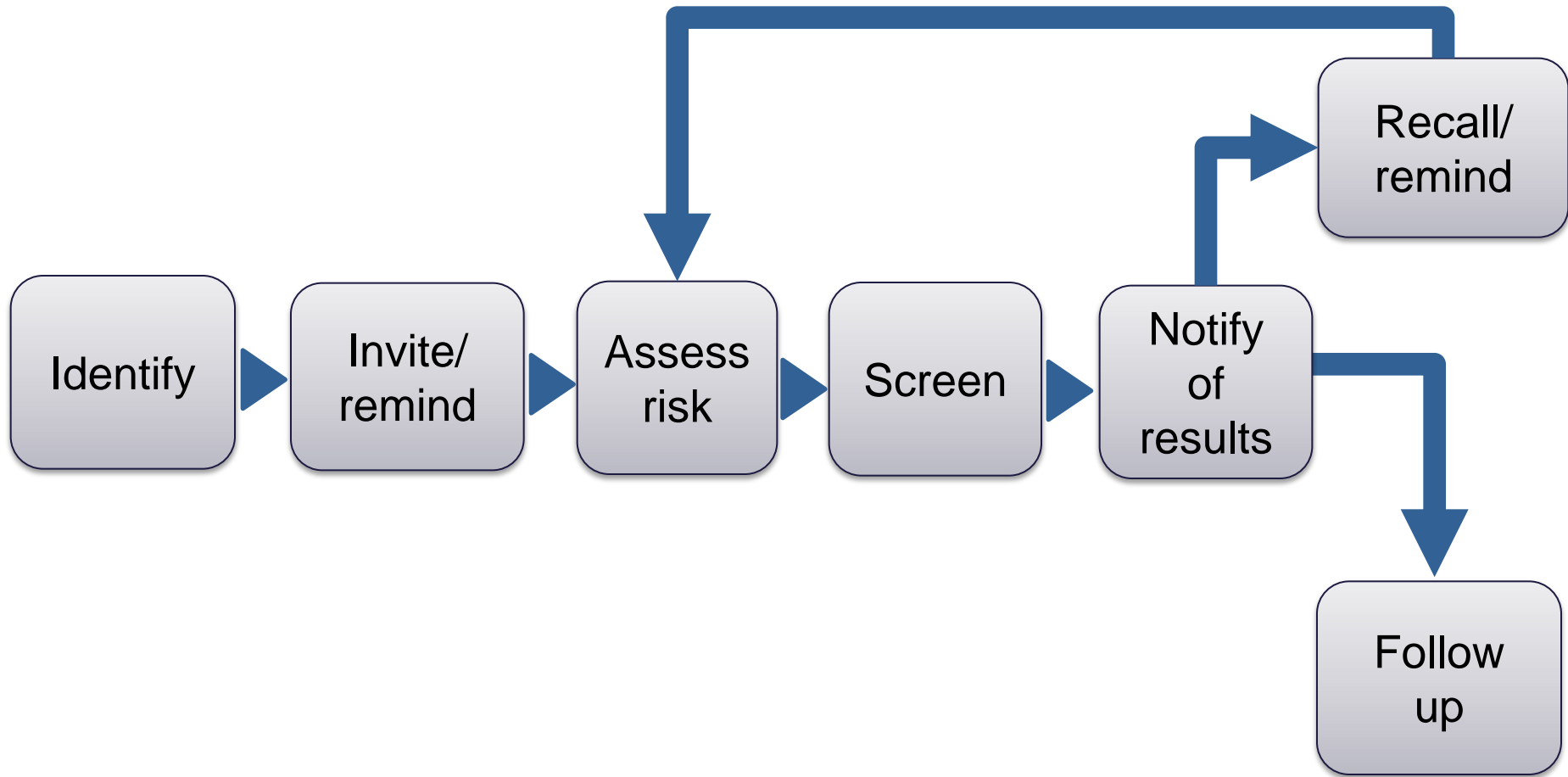
International Agency for Research on Cancer

Centre International de Recherche sur le Cancer

Organized Screening Program

- Greater protection against harms
 - Over-screening
 - Poor quality
 - Poor follow-up
 - Complications

Screening is a Process



Ontario's Cancer Screening Information System

Inputs

Population database

Hospital records

Kit results

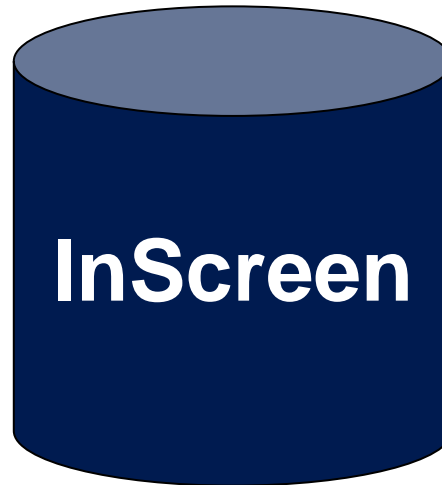


MD billings

Colonoscopy results



Ontario Cancer Registry



Outputs

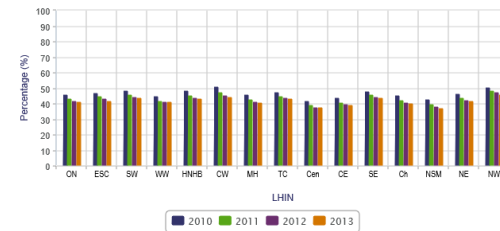
Program Operations



Program Evaluation

Percentage overdue for colorectal cancer screening

Figure 1. Age-adjusted percentage of Ontario individuals aged 50-74 who were overdue for colorectal cancer screening in a calendar year, by Local Health Integration Network (LHIN), 2010-2013



Program Reporting



Ontario's Colorectal Cancer (CRC) Screening Program

Ontario 13.8 M



Canada 35.8 M

Funding Announcement

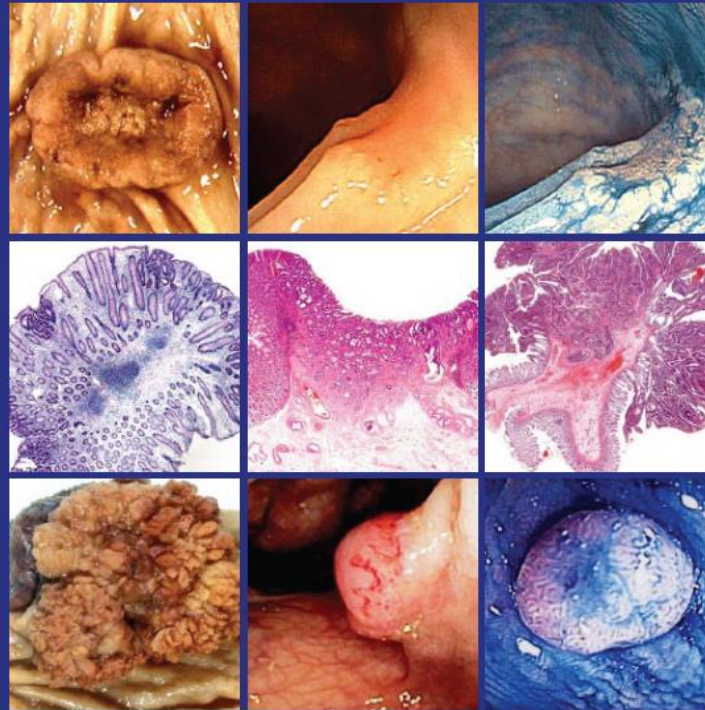
January 23, 2007



Colon Cancer Check

- gFOBT for average risk
(50–74 years, no symptoms)
- Colonoscopy for increased risk
(first-degree relative with CRC)

European Guidelines



European guidelines for quality assurance in colorectal
cancer screening and diagnosis *First Edition*

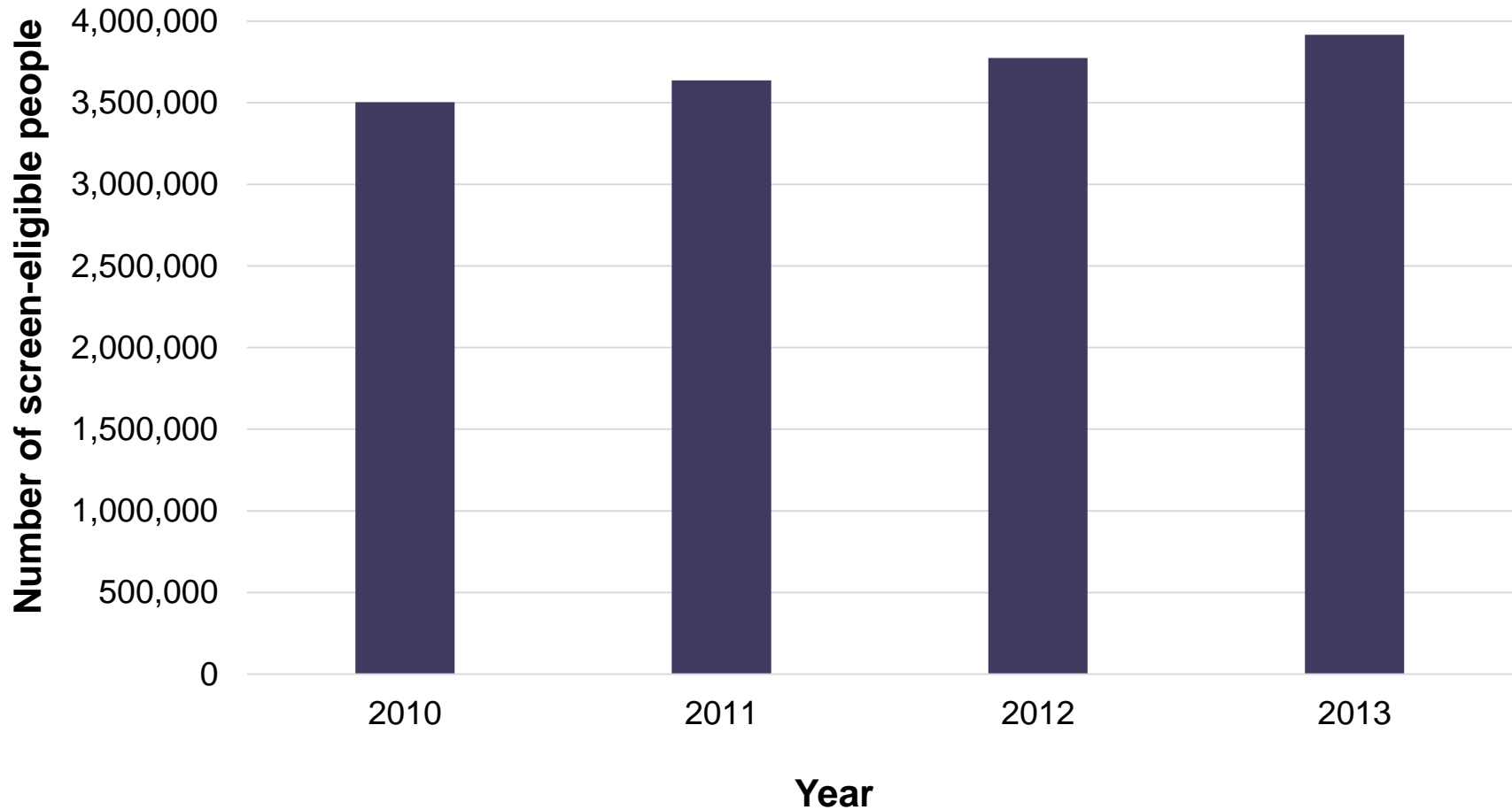


European Commission

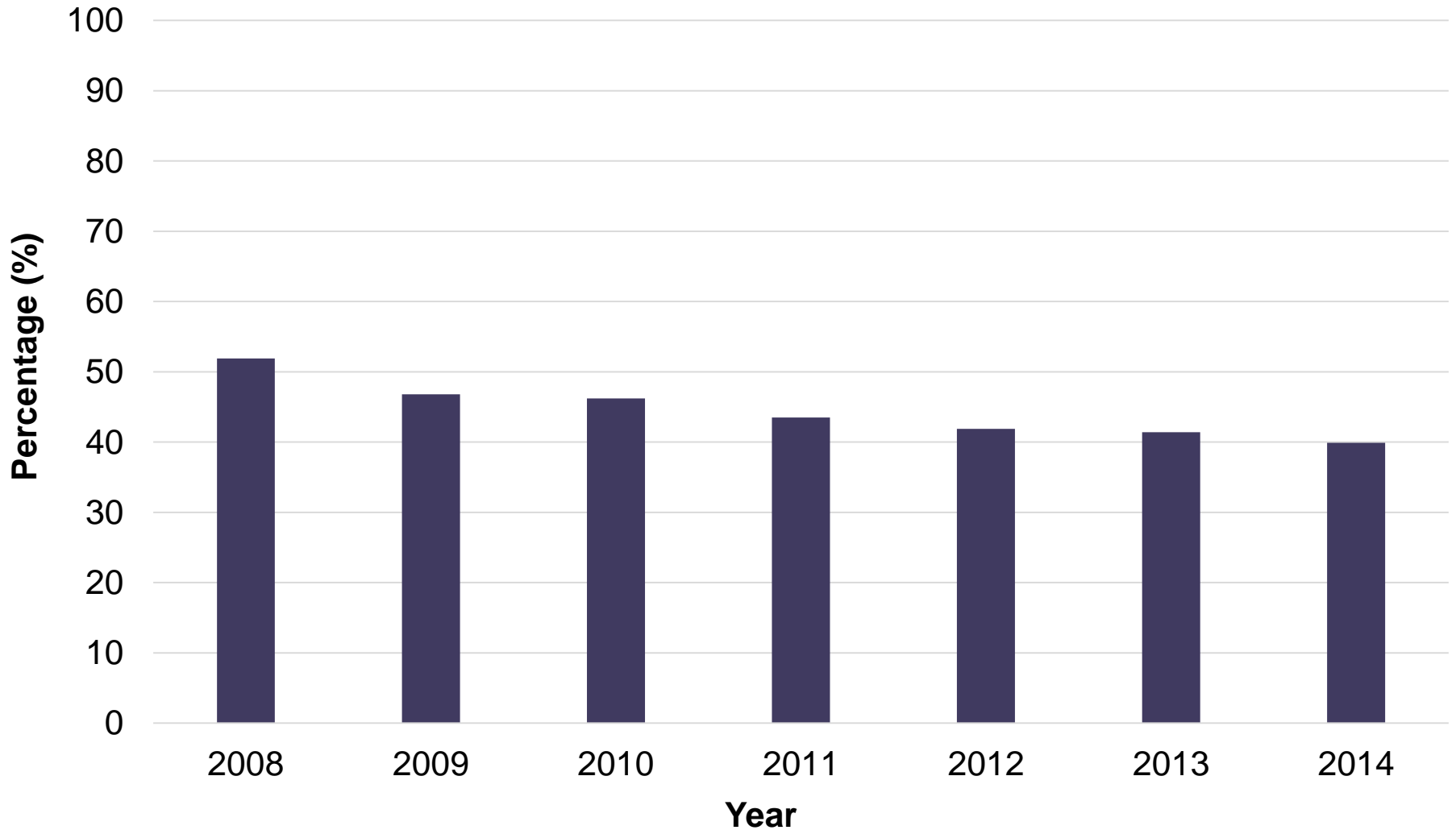
IARC, 2010

Performance

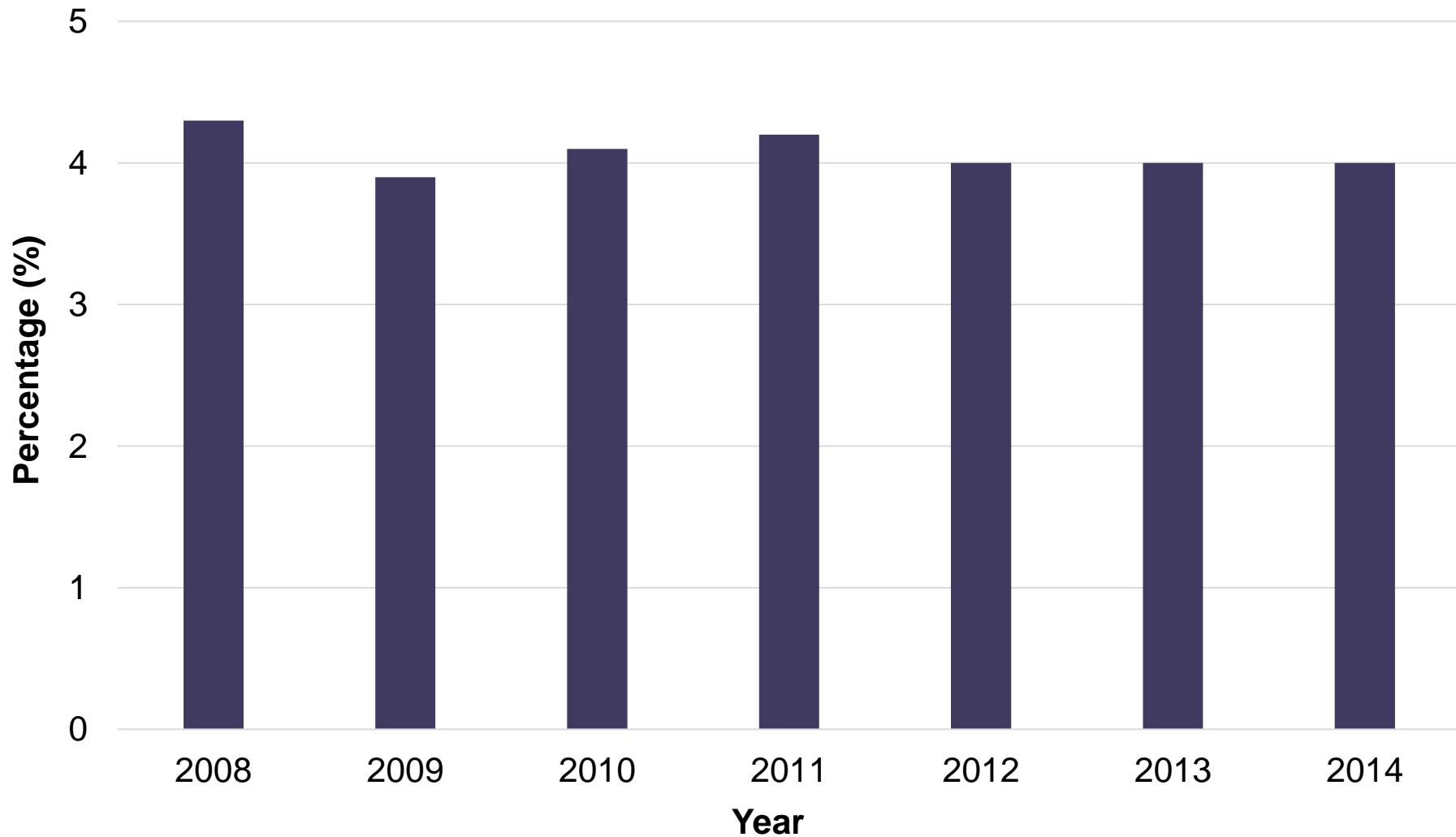
Number of Screen-Eligible People



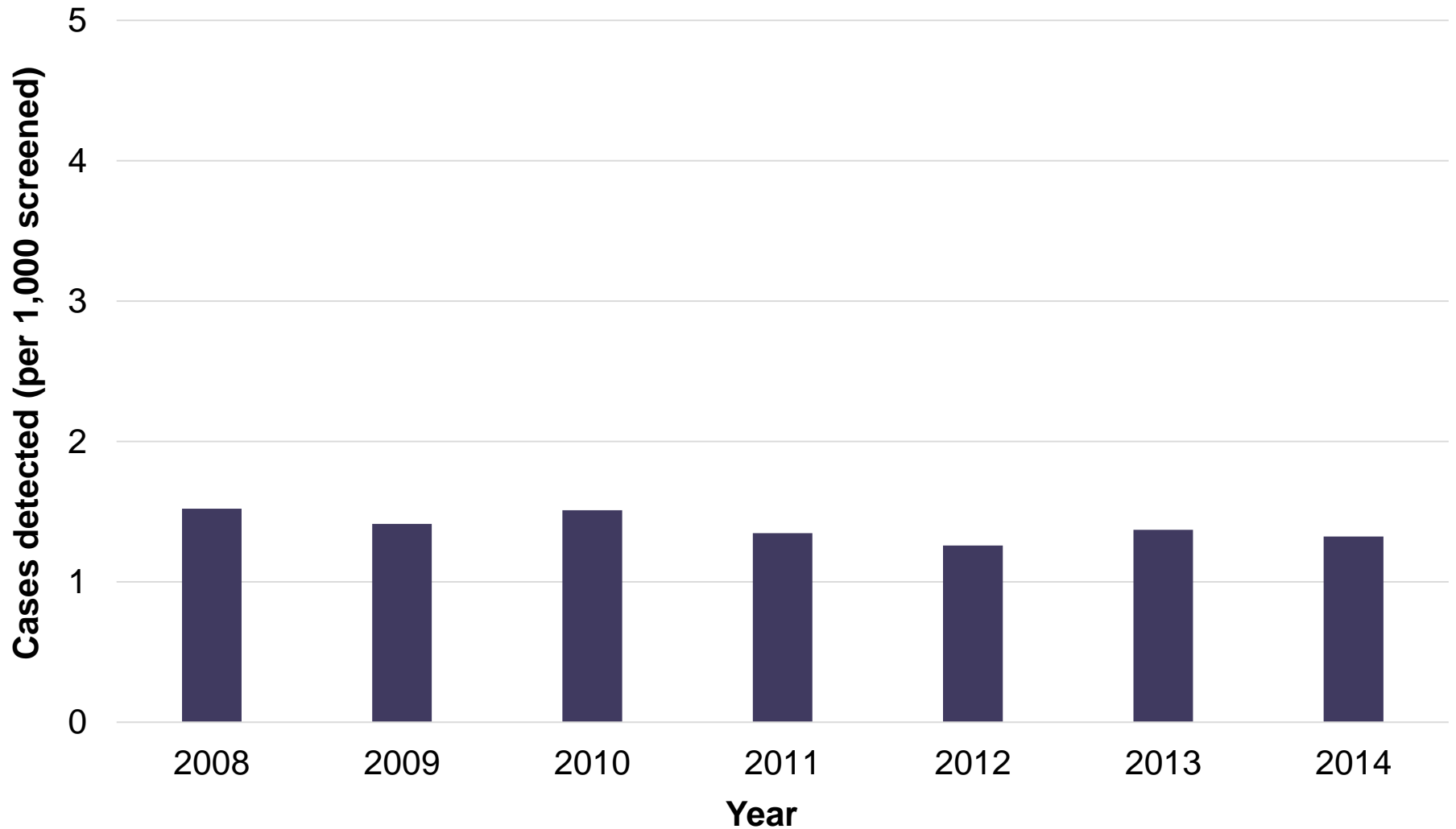
Overdue for Screening (50–74 yrs)



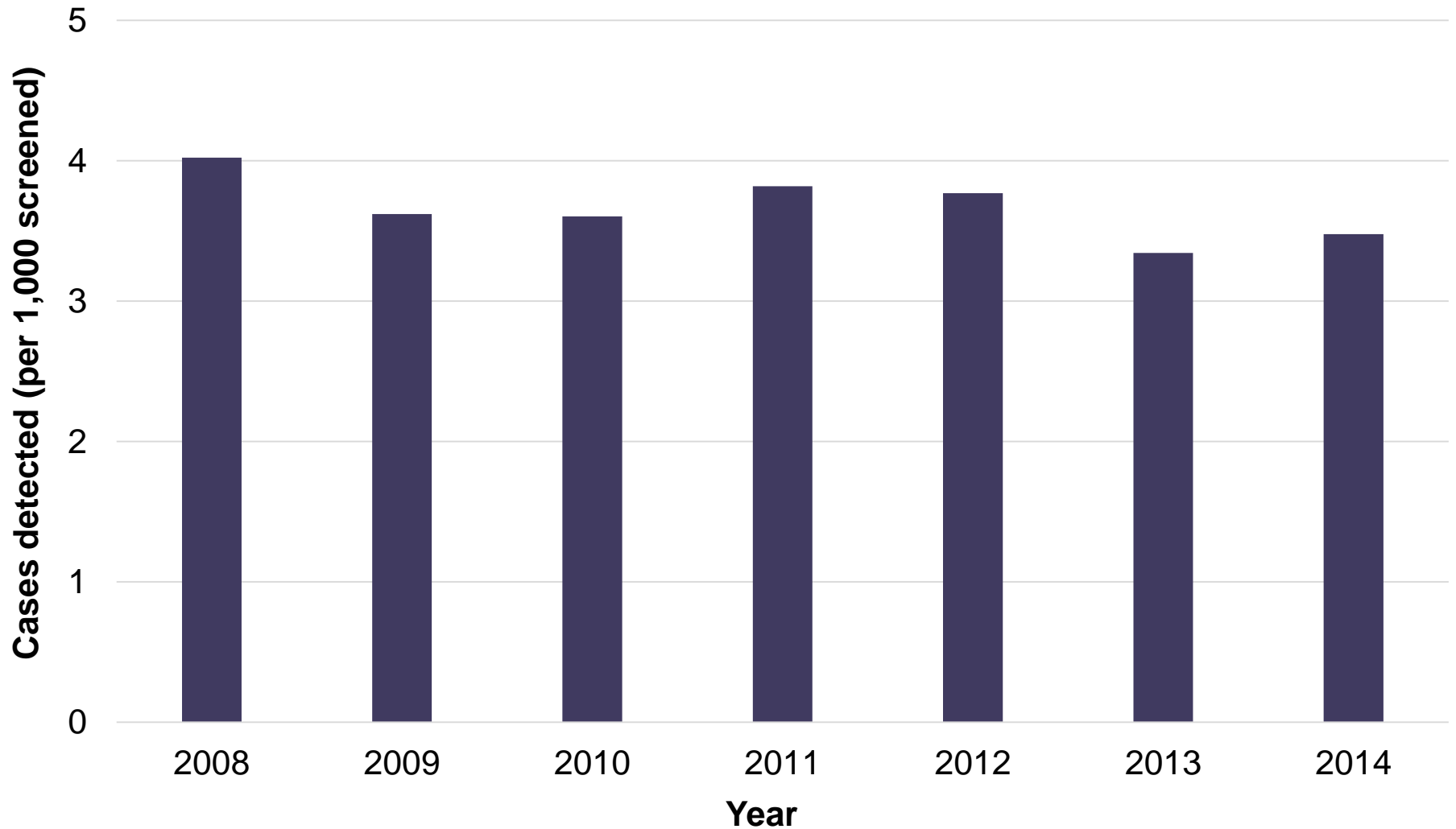
FOBT + in Ontario (50–74 yrs)



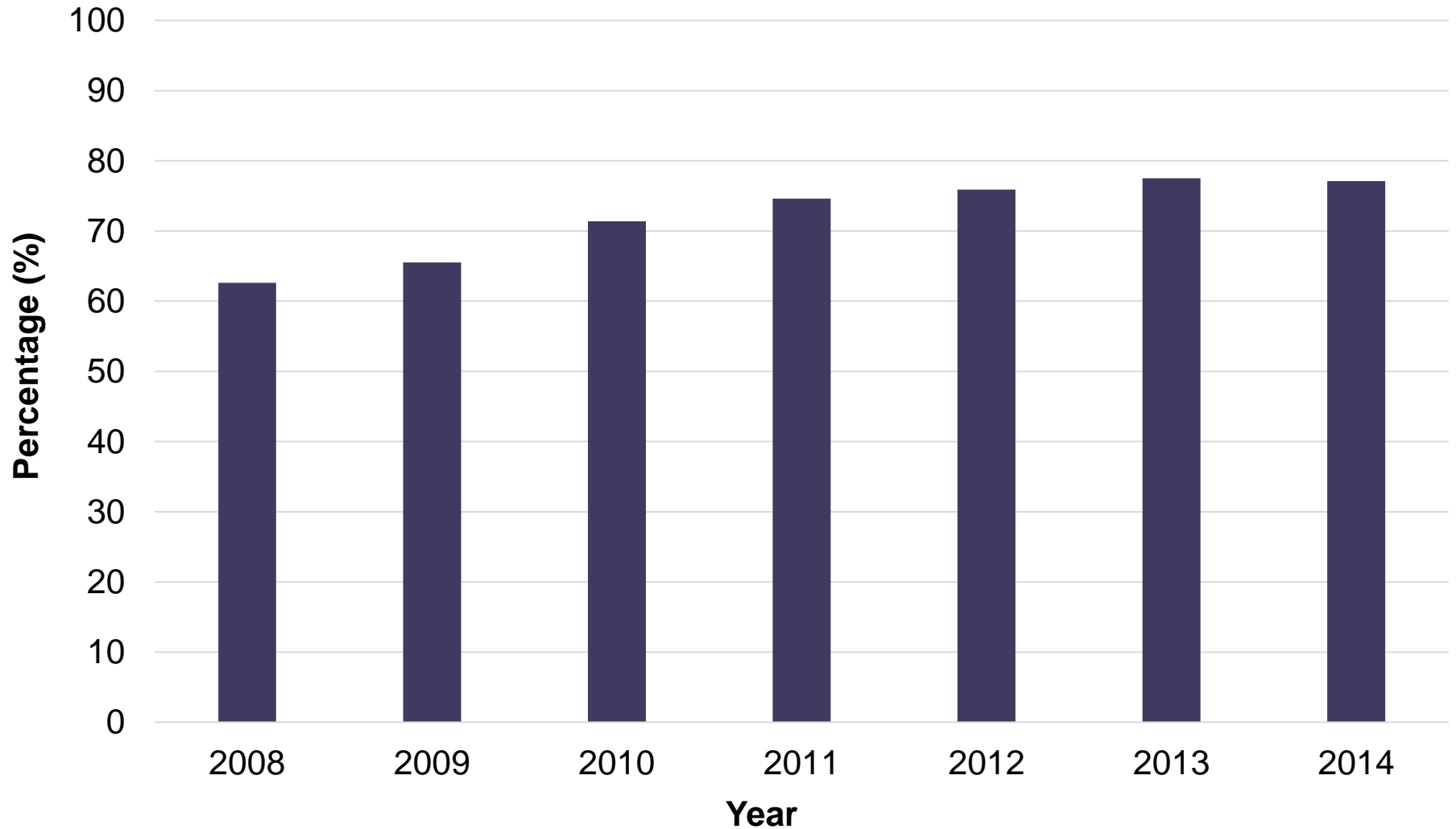
CRC Detection Using FOBT



CRC Detection Using Colonoscopy (50–74 yrs)



Colonoscopy Follow-up within 6 Months of FOBT+



Challenges and Opportunities

Challenges

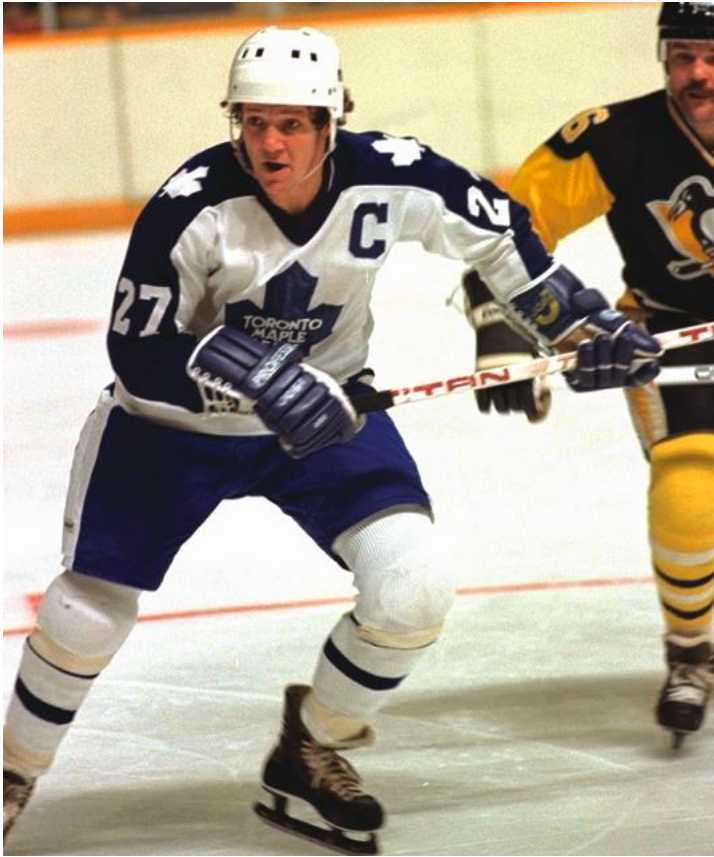
- Participation rate
- Follow-up of FOBT+
- Switch to FIT (2017)

Lessons Learned

Moving Forward: Alignment

- Clinical champion
- Lay organization(s)
- Professional organization(s)
- Policy-makers (cancer agency)
- Ministry of Health (\$)

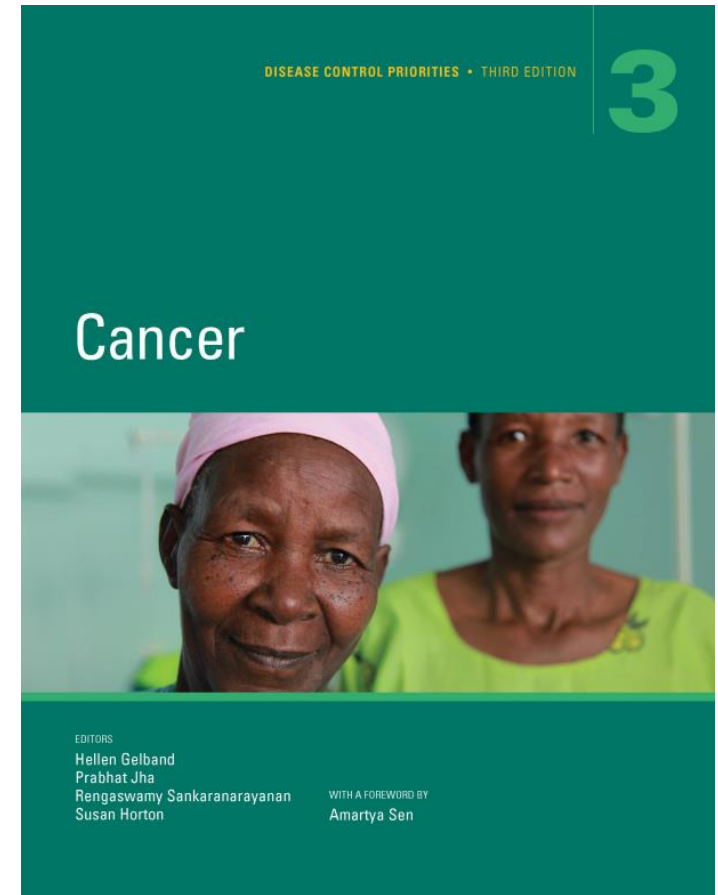
Moving Forward: Celebrity



Darryl Sittler

Moving Forward

- CRC incidence
>30/100,000
- Country resource
level: Basic, limited,
enhanced, maximal



Moving Forward

- Line up support
- Establish/adopt guidelines
- Consider a pilot
- Selected urban region(s)
- Test the steps in the process
- Expand

Networks

- IARC initiatives
- International Cancer Screening Network (ICSN)
- World Endoscopy Organization (WEO)

WEO CRC Screening Cte

- Regional workshops
 - NA (DDW)
 - Europe (UEGW)
 - Asia-Pacific (APDW)
 - Latin America (SIED, Cartagena, Sept 2016)





Thank You