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# Colon Check: Preparing to Launch in BC?

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# Disclosures

- No conflicts of interest
- No discussion of off-label use of medications or devices



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# Objectives

- Overview of Colon Check
- Present preliminary results
- Review Action Plan



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# Summary of CRC Screening Programs in Canada

Province	Start	Provincial program	Regional program, expanding province-wide	Provincial program launch anticipated over the next year	Pilot in small communities
Ontario	2007	◆			
Manitoba	2007	◆			
Alberta	2007	◆			
Nova Scotia	2009		◆		
Saskatchewan	2009		◆		
New Brunswick	2011			◆	
Quebec	2011			◆	
Newfoundland	2011			◆	
BC	2009				◆
PEI	2009				◆

# Colon Check

- Develop the processes for programmatic CRC screening
- Field test in 3 BC communities: Penticton, Powell River and Vancouver core
- Evaluation and formulation of an action plan for province-wide roll-out



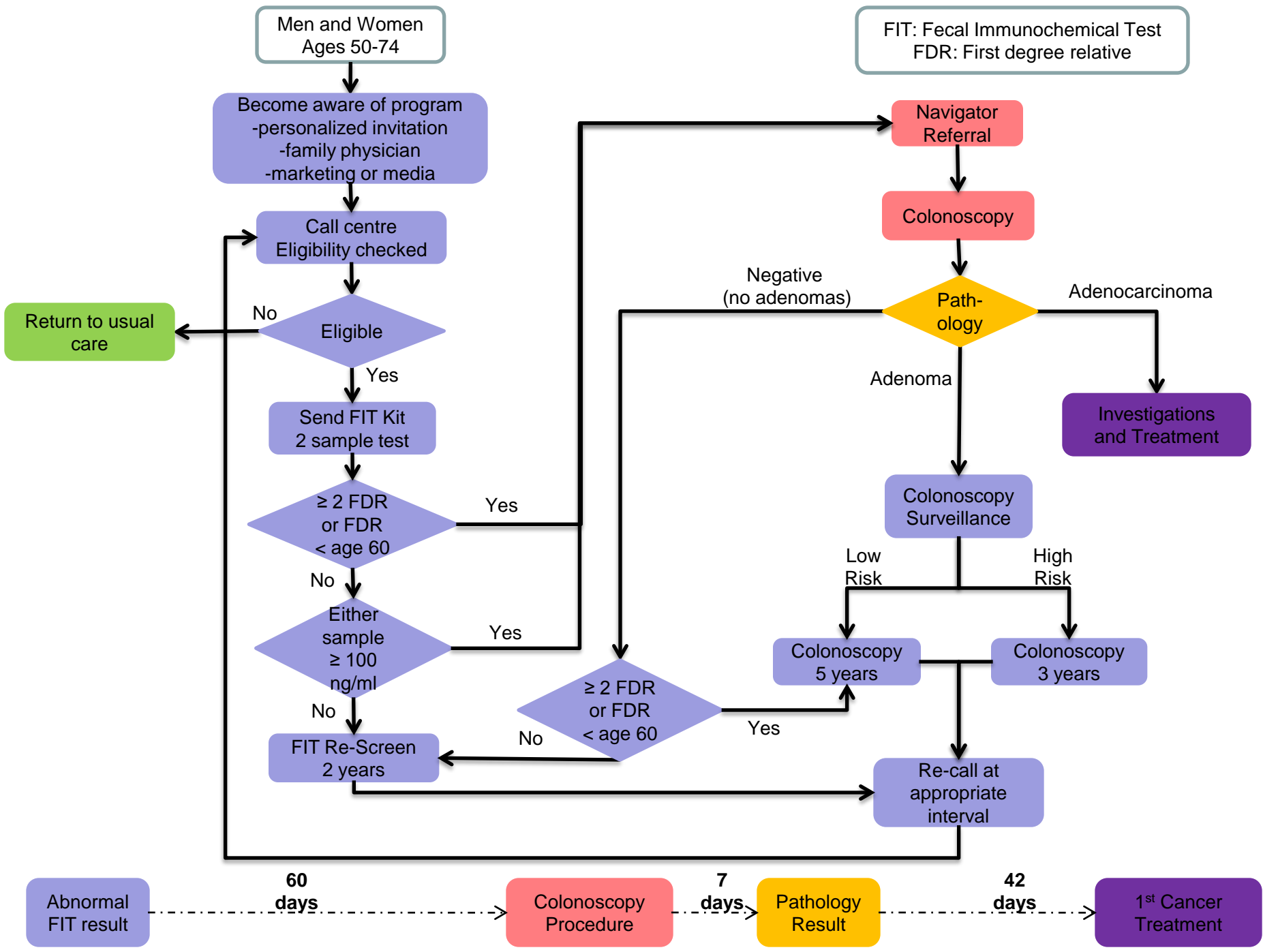
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# Colon Check Principles

- Equitable access
- Identify participants with a family history of CRC
- Participant navigation = Nurse Navigator
- Colonoscopy and pathology quality standards
- Registration through each screening session or to 1<sup>st</sup> cancer treatment
- Standardized surveillance



# Quality Assurance

- FIT
  - Standard operating procedures and outcomes monitoring
- Colonoscopist and Endoscopy Unit
  - Colonoscopy standards
    - DOPS
    - Global Rating Scale
    - Standardized colonoscopy reporting
  - Standardized surveillance
  - Quality indicator reporting back to colonoscopists
- Pathology
  - Standardized pathology reporting
  - Quality reviews



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# Preliminary Evaluation

- 8805 individuals registered before April 1, 2011
  - 8805 without a first degree relative with CRC
    - FIT Positivity 8%
    - Follow-up colonoscopy 93%
  - 744 (8.5%) with a first degree relative with CRC
    - 650 completed FIT
      - FIT Positivity 10%
    - Colonoscopy 70%

# Colonoscopy Findings

	No Family History n=603	Family History n=518
Cancer*	21 (4%)	2 (.4%)
High risk adenoma	189 (31%)	43 (8%)
≥ 3 low risk adenomas	19 (3%)	11 (2%)
Any neoplasia	361 (60%)	66 (30%)
<b>High risk findings</b>	<b>229 (40%)</b>	<b>56 (11%)</b>
<b>Number needed to scope</b>	<b>3</b>	<b>9</b>
<b>Number needed to screen</b>	<b>39</b>	<b>--</b>

# Quality Indicators

- Cecal intubation 98.8%
- Satisfactory bowel prep 98%
- Serious adverse events 8 (.7%)
  - 3 perforations
  - 3 hemorrhage
  - 1 small bowel obstruction
  - 1 diverticulitis



# Satisfaction Survey

## Participants

- Response rate > 80%
- Over 95% were highly satisfied, would participate again and would recommend the program
- 82% felt comfortable using the FIT kit

## Family Physicians

- Response rate 60%
- 100% were highly satisfied and would continue to refer patients



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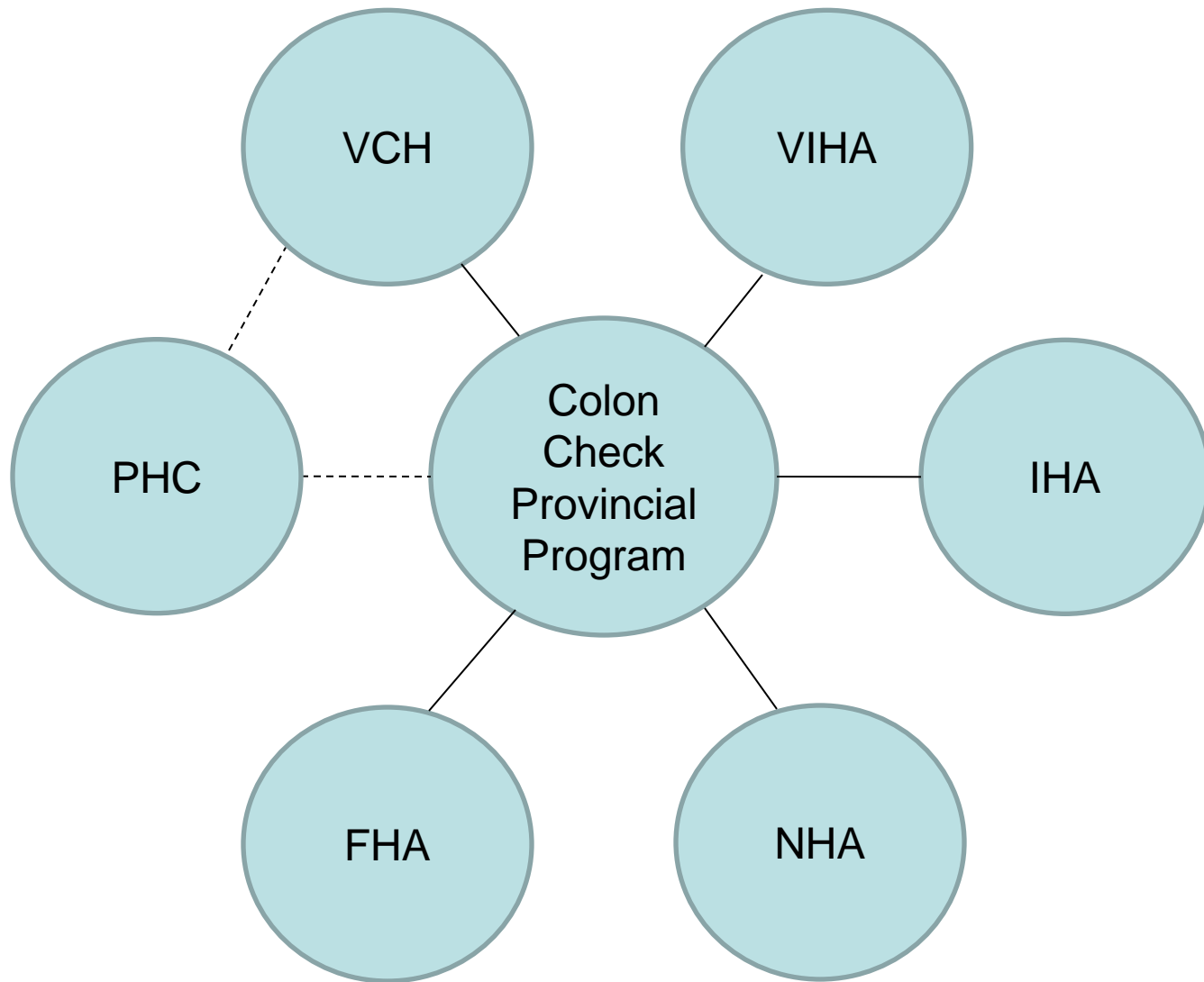
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# Action Plan

# Activities for a 5 year roll-out

- Establish regional HA hubs and credential endoscopy units at those hospitals
- Information Technology
- Expansion of program within HA until FIT available province-wide (year 3) with colonoscopy at Colon Check hubs as well as other centers depending on colonoscopy and pathology demands
- Recruitment to maximize participation



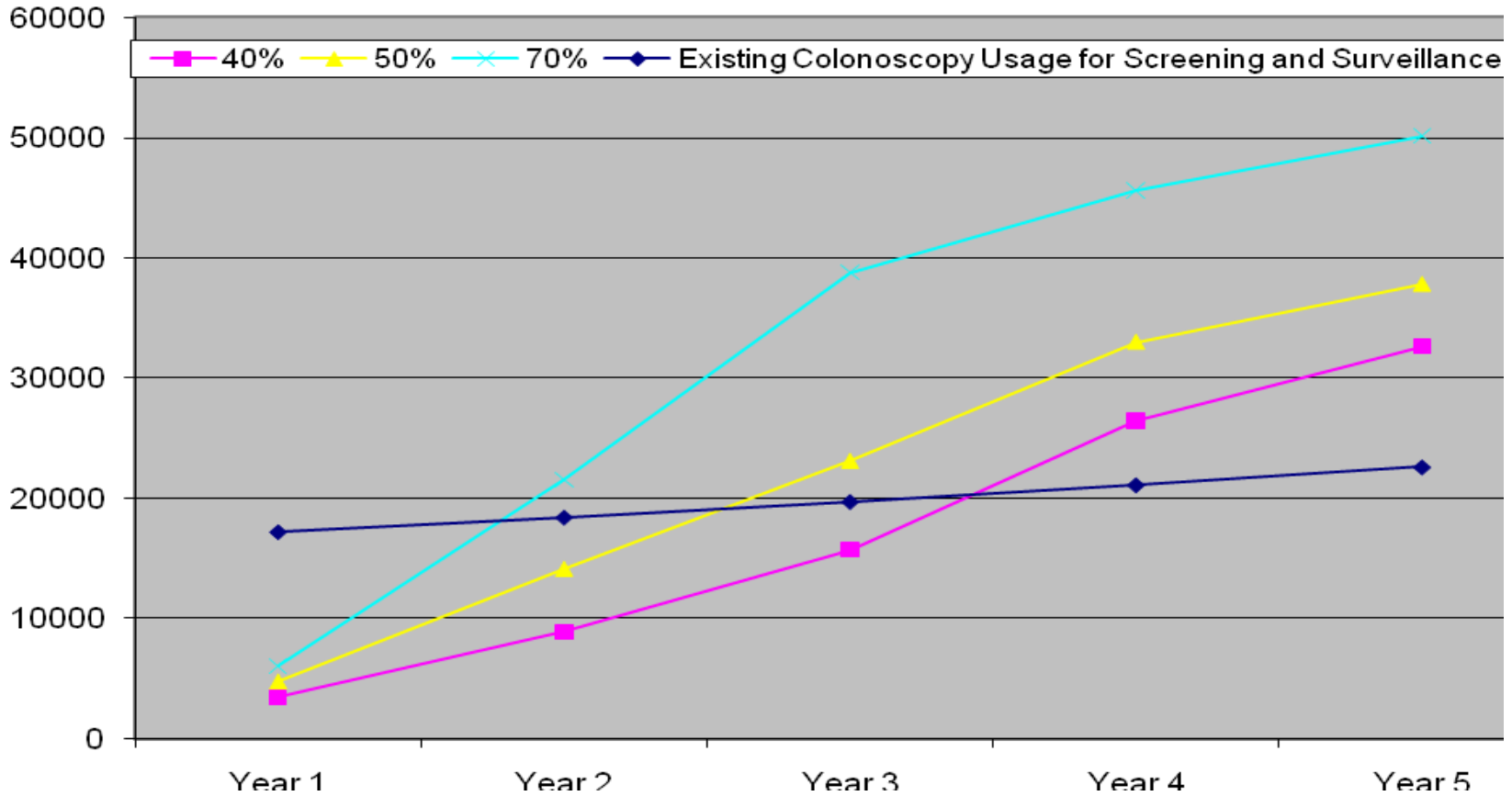
# Program Volume Estimates by Participation Rate Targets at Year 5

<b>Fit Volume</b>		Year 1	Year 2	Year 3	Year 4	Year 5
40%		31,499	78,428	149,568	257,118	332,713
50%		42,942	124,018	218,886	332,448	399,624
70%		54,128	187,739	359,412	468,749	556,937

<b>Colonoscopy Volume</b>		Year 1	Year 2	Year 3	Year 4	Year 5
40%		3,498	8,894	15,738	26,468	32,649
50%		4,823	14,170	23,130	33,012	37,799
70%		6,117	21,556	38,793	45,595	50,105

<b>Pathology Volume</b>		Year 1	Year 2	Year 3	Year 4	Year 5
40%		4,691	11,882	21,406	36,416	45,860
50%		6,449	18,883	31,401	45,866	53,898
70%		8,165	28,686	52,369	63,616	72,653

# Estimated Colonoscopy Volume: Target Rates vs. Existing



# Conclusion

- Current colorectal cancer screening in BC is not effective
- Programmatic colorectal cancer screening provides improved outcomes for participants and appropriate health resource utilization

# Thank you

If colorectal cancer is detected at its earliest stage, the chance of survival is over 90%.



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## Colon Check

## Screening saves lives.



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