



WEO

The voice of world
endoscopy

Support for jurisdictions looking to implement screening, including lessons learned in NZ

Linda Rabeneck, Toronto

Susan Parry, Auckland



WEO CRC Screening Committee

- Global network
- Breadth of expertise and experience
- Multiple jurisdictions/countries
- Planning, piloting, implementation, operations
- Share our lessons learned: what worked?



Developing a CRC screening pilot

Which FIT test ?

OC-SENSOR

Stephen Halloran

How many samples ?

One

What cut off threshold for positivity ?

15 μg Hb/g faeces

Implications for colonoscopy capacity

Positivity 7%

What age range ?

50-74y

Stephen Halloran

Awareness of nuances of FIT analysis

Paul Rozen Graeme Young

Support Chemical pathologist

Stephen Halloran



Determining parameters for a National Programme

Analysis pilot data

Options and preferences influenced by

Input in person in NZ

Linda Rabeneck Ernst Kuipers

DDW oral presentation 2015

Stephen Halloran

New Zealand pilot study of FIT-based CRC screening informs options for the balance of neoplasia detection and colonoscopy demand for a national bowel cancer screening programme.

Ongoing advice on FIT analysis

Stephen Halloran Sally Benton

Colonoscopy Quality

Train the Trainers

Colonoscopy KPI's

Post colonoscopy CRC/WEO statement

Roland Valori

Linda Rabeneck

Roland Valori

Ernst Kuipers Evelyn Dekker

Matt Rutter



Impact for age group 60-74 years at various Hb thresholds for positivity

Cut-off for positivity	60-74 yrs				
	75	100	150	200	250
ng/mL buffer	75	100	150	200	250
µg Hb/g feces	15	20	30	40	50
Positivity	8.9%	7.5%	6.0%	5.0%	4.3%
PPV CRC	4.9%	5.5%	6.5%	7.4%	8.2%
PPV AdA	26.1%	28.0%	30.2%	36.0%	37.5%
CRC DR/1,000 screened	3.83	3.62	3.38	3.22	3.06
Reduction in colonoscopy (%)	34.9%	45.2%	56.3%	63.4%	68.6%
CRC (% detected)	79.9%	75.4%	70.4%	67.0%	63.7%
CRC men (% detected)	84.6%	78.8%	73.1%	71.2%	69.2%
CRC women (% detected)	73.3%	70.7%	66.7%	61.3%	56.0%

Progressive National roll out July 2017 to May 2022



Current programme performance

Participation pre-covid 62% now 58% Māori 49% Rescreen 74%

FIT Positivity initial 4.3% subsequent 3.0%

PPV Cancer/AdA initial 7.9/25% subsequent 5.6/18%

90% those with + FIT referred for colonoscopy 84% in the programme

91% undergo colonoscopy within 60 working days pos FIT

1946 cancers detected Stage 1 30-40% Stage 11 14-24 % Stage 1V 4%

THANK YOU WEO CRC Screening committee



Summary

- NZ a superb case study
- How our global network can support
- Get in touch if you want to discuss

secretariat@worldendo.org





WEO

World Endoscopy
Organization

