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## Declaration of Interests

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None to be declared.

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## INTRODUCTION

- ❖ Colorectal cancer (CRC) is the leading cause of cancer-related mortality worldwide and the third most common cause of cancer in New Zealand (NZ).
- ❖ Colonoscopy is the gold standard test for suspected CRC, although its effectiveness depends on an endoscopist meeting rigorous key performance indicators (KPIs).
- ❖ Some prior studies evaluating colonoscopy quality have elected to exclude patients with previous bowel surgery (non-intact colons), on the basis that it is easier to reach KPI targets in these patients.

## AIM

This study aimed to compare colonoscopy KPIs between patients with non-intact and intact colons.

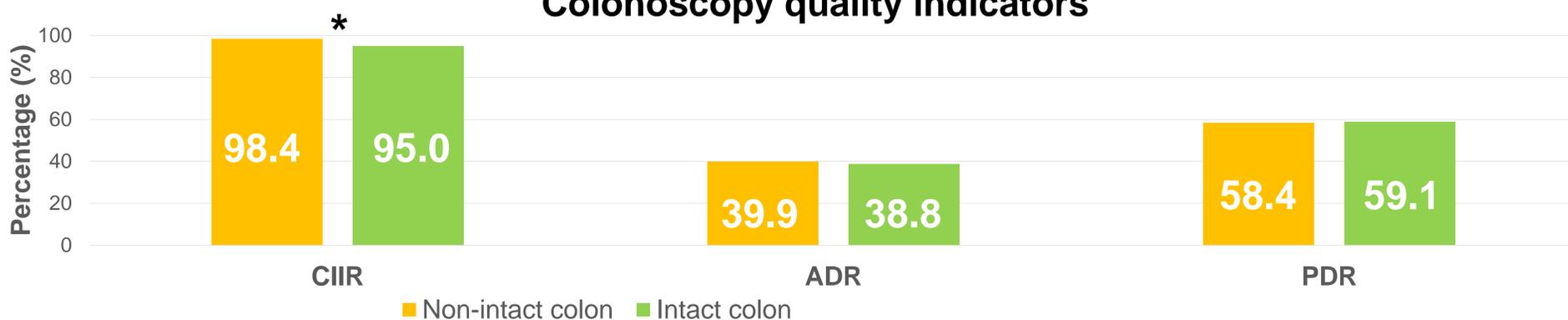
## METHODS

- ❖ Consecutive patients undergoing colonoscopy at Whanganui Hospital (NZ) between September 2016 & March 2020 were prospectively recruited.
- ❖ **Primary outcome:** caecal or ileal intubation rate (CIIR).
- ❖ **Secondary outcomes:** adenoma detection rate (ADR), polyp detection rate (PDR), colonoscopy withdrawal time (CWT) and caecal or ileal intubation time (CIIT).

## RESULTS

3,017 colonoscopies were performed by 10 endoscopists.

Colonoscopy quality indicators



Quality Indicator	Total (n=3,017)	Non-intact colon (n=322)	Intact colon (n=2,695)	p-value
CIIR (%)	95.4	98.4	95.0	0.009
ADR (%)	38.9	39.9	38.8	0.77
PDR (%)	59.0	58.4	59.1	0.86
CWT (mins)	9.0±4.0	7.8±3.3	9.1±4.1	<0.0001
CIIT (mins)	11.5±7.7	8.7±7.3	11.8±7.7	<0.0001

## CONCLUSIONS

- ❖ CIIR for the total cohort was 95.4% compared to 95.0% when non-intact colonoscopies were excluded.
- ❖ Adenoma and polyp detection rates were comparable between patients with non-intact and intact colons, despite non-intact colonoscopies being significantly quicker.
- ❖ Therefore, patients with previous colonic resections should be included in colonoscopy KPI reports.