

Wits Donald Gordon Medical Centre

Indications for and Quality of Colonoscopies

Annual Report:

February 2019

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Table 1: Demographic characteristics

	2018
<i>Number of colonoscopies</i>	1642
Age (%)	
18-39 years	14.6
40-49 years	16.1
50-59 years	24.8
60-69 years	26.8
70-79 years	15.0
80 years or older	2.7
Gender (%)	
Male	41.9
Female	58.1
Ethnicity (%)	
White	75.5
Indian/Asian	13.7
Black	8.0
Mixed race	2.4
Other	0.2
Unknown	0.1
In/outpatient status (%)	
Outpatient	90.6
Inpatient	9.1
Unknown	0.2

Table 2: Indications for colonoscopy

	2018
<i>Number of colonoscopies</i>	1642
Indication (%)	
Screening	41.7
Polyp surveillance	9.7
Cancer surveillance	8.7
Change in bowel habits	8.2
Investigation of diarrhoea	6.6
Rectal bleeding	5.7
Anaemia	5.1
Abdominal pain	5.0
IBD surveillance	4.6
IBD symptoms	3.7
Constipation	1.0
Other	1.3
Not recorded	0.1

Table 3: Quality indicators

	2018	Benchmark ^a
Caecal Intubation Rate^b (%)		
All colonoscopies	97.0	≥ 90
Screening colonoscopies only	96.3	≥ 95
Terminal Ileum Intubation Rate^c (%)		
All colonoscopies	92.0	
Screening colonoscopies only	93.8	
Good/fair bowel preparation (%)		
All colonoscopies	76.0	
Outpatients	77.6	> 85
Inpatients	61.3	
Withdrawal Time on Screening		
Median time (min)	6.3	
Withdrawal time ≤ 6 min (%)	46.0	
Withdrawal time > 6 min (%)	54.0	
Withdrawal time > 8 min (%)	33.6	
Median time (min) for negative-result screening colonoscopies (min)	5.7	≥ 6
Polyp Detection Rate on Screening (%)		
Overall	27.6	≥ 25 ^d
By gender:		
Male	36.6	≥ 30 ^d
Female	21.6	≥ 20 ^d
By age:		
18-39 years	14.0	
40-49 years	21.9	
50-59 years	27.9	
60-69 years	31.9	
70 years or older	29.9	
By ethnicity:		
White	27.9	
Indian/Asian	27.0	
Black	31.5	
By withdrawal time:		
Withdrawal time ≤ 6 min	13.9	
Withdrawal time > 6 min	39.2	
Withdrawal time > 8 min	47.4	
By bowel prep:		
Good/fair	27.9	
Poor/bad	26.8	

Table 3: Quality indicators (continued)

	2018	Benchmark ^a
Adenoma Detection Rate on Screening (%)		
Overall	15.6	≥ 25
By gender:		
Male	20.3	≥ 30
Female	12.4	≥ 20
By age:		
18-39 years	4.7	
40-49 years	11.3	
50-59 years	18.1	
60-69 years	17.5	
70 years or older	15.9	
By ethnicity:		
White	15.3	
Indian/Asian	17.6	
Black	18.5	
By withdrawal time:		
Withdrawal time ≤ 6 min	7.6	
Withdrawal time > 6 min	21.5	
Withdrawal time > 8 min	26.5	
By bowel prep:		
Good/fair	15.6	
Poor/bad	15.8	

^a Rex DK, Schoenfeld PS, Cohen J, et al. Quality indicators for colonoscopy. *Gastrointestinal Endoscopy*. 2015;81(1):31-53. doi:10.1016/j.gie.2014.07.058

^b Caecal Intubation Rate = Terminal Ileum or Caecum reached /intended to reach Terminal Ileum or Caecum

^c Terminal Ileum Intubation Rate = Terminal Ileum reached /intended to reach Terminal Ileum

^d Benchmarks are based on Adenoma Detection Rate; there is no available benchmark for the Polyp Detection Rate