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# Impact of Fellow/Resident Involvement during Colonoscopy in a High-Volume Colorectal Surgical Practice

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## Introduction

- The ability to perform complete, efficient colonoscopies is paramount to population health.
- According to the American Society of Colon and Rectal Surgeons (ASCRS), the average colonoscopy should last between 15-30 minutes.<sup>1</sup>
- By the end of their fellowship, it is imperative that fellows perform colonoscopies in an efficient and effective manner similar to that of attendings.

## Objective

- To evaluate the efficiency of colonoscopies performed by colorectal surgery fellows as they progress through their training while taking patient bowel preparation into consideration.

## Results

Level of Bowel Prep	Number of Cases	Average Colonoscopy Time (min.)
Excellent	470	16.6
Good	647	18.33
Fair	33	20.64
Adequate	61	24.79

### Progression of Fellow Colonoscopy Times throughout Academic Year

First Six Months:  
27.98 min.

Second Six Months:  
24.91 min.

### Average Colonoscopy Times

Attending:  
17.30 min.

vs.

Fellows:  
27.81 min.

## Methods

- Retrospective data collection of colonoscopy patients from 2015-20 using various electronic medical records (EMR).

Patient Information

MEDEDENT

Colonoscopy Times

EPIC (LVHN);  
Provations &  
Cyfluent (Endo Center)

## Followup

- Fellow training sessions may need to bolster more colonoscopy simulations before real world application.
- Continued insistence on bowel preparation for patient comfort, as well as surgical efficiency.

<sup>1</sup>Wexner et al. "A Consensus Document on Bowel Preparation Before Colonoscopy." *American Society of Colon and Rectal Surgeons*, 2 May. 2016.