**Title:** Self Perceived Confidence and Knowledge of Colorectal Cancer Screening and Surveillance Guidelines - A National Survey of Gastroenterologists.

**Authors:** Rushad Patell, Abhishek Karwa, Rocio Lopez, Carol A. Burke

**Institution:** Cleveland Clinic

**Email:** [patellr@ccf.org](mailto:patellr@ccf.org)

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**Objectives:** Our objective was to assess knowledge of colorectal cancer (CRC) screening or surveillance guidelines among gastroenterology clinicians.

**Abstract:** Studies demonstrate discordance between guideline recommendations for colorectal cancer (CRC) screening and surveillance and physician behavior. The USPSTF (2008), ACG (2009) and USMSTF (2012) guidelines have been formalized for years. Therefore, a contemporary assessment of gastroenterologists’ including trainees' (GI) knowledge of the guidelines should be improved compared to prior studies.

An IRB approved 20–question survey assessing perceived confidence in recalling and knowledge of CRC prevention guidelines was created. To test knowledge, respondents were asked to identify factors used in guidelines for screening (age, family and personal history of CRC and polyps, IBD) and surveillance (polyp number, size, pathology and piecemeal resection) intervals. The survey was emailed to a national cohort of GIs.

689 responses were received with 63% practicing in the academic setting and the rest in private practice. Self-identified sub-specialty interest include general GI (64%), advanced endoscopy (25%), IBD (16%), hepatology (12%), GI cancer prevention (12%) and motility (6%). Trainees (26%) were less confident than GIs in practice in recalling guidelines.

SCREENING: 98% reported they follow guidelines, most frequently ACG (75%) followed by USPSTF (42%) and USMSTF (27%). 88% were confident in recalling guidelines but only 35% answered both vignettes correctly and 18% identified all factors accurately. 7% answered both the vignettes and identified factors correctly.

SURVEILLANCE: 97% reported following guidelines, ACG (74%) followed by USMSTF (25%). 84% were confident in recalling guidelines but only 54% answered both vignettes correctly and 45% identified all surveillance factors. 30% identified the factors and answered the vignettes correctly.

More than 95% of GIs report following CRC screening and surveillance guidelines and over 80% are confident in their recall. Objectively, a considerable gap exists in GI's knowledge of screening and surveillance guidelines.