

Supplemental Digital Content 3: Model specifications and covariates for the full sample (Refer to Table 2)

Regression type / Propensity score adjustment	Random Effects	Covariates
Full sample logistic regression models (Table 2)		
Univariate – no propensity adjustments	None	None
Multivariate – no propensity adjustments	None	age, BMI, sex, alcohol, smoking, health status, first degree relative with CRC, prior colonoscopy, prior neoplastic findings, bowel preparation quality
Multivariate – no propensity adjustments	Generalized linear mixed effect models with facility random effects	age, BMI, sex, alcohol, smoking, health status, first degree relative with CRC, prior colonoscopy, prior neoplastic findings, bowel preparation quality