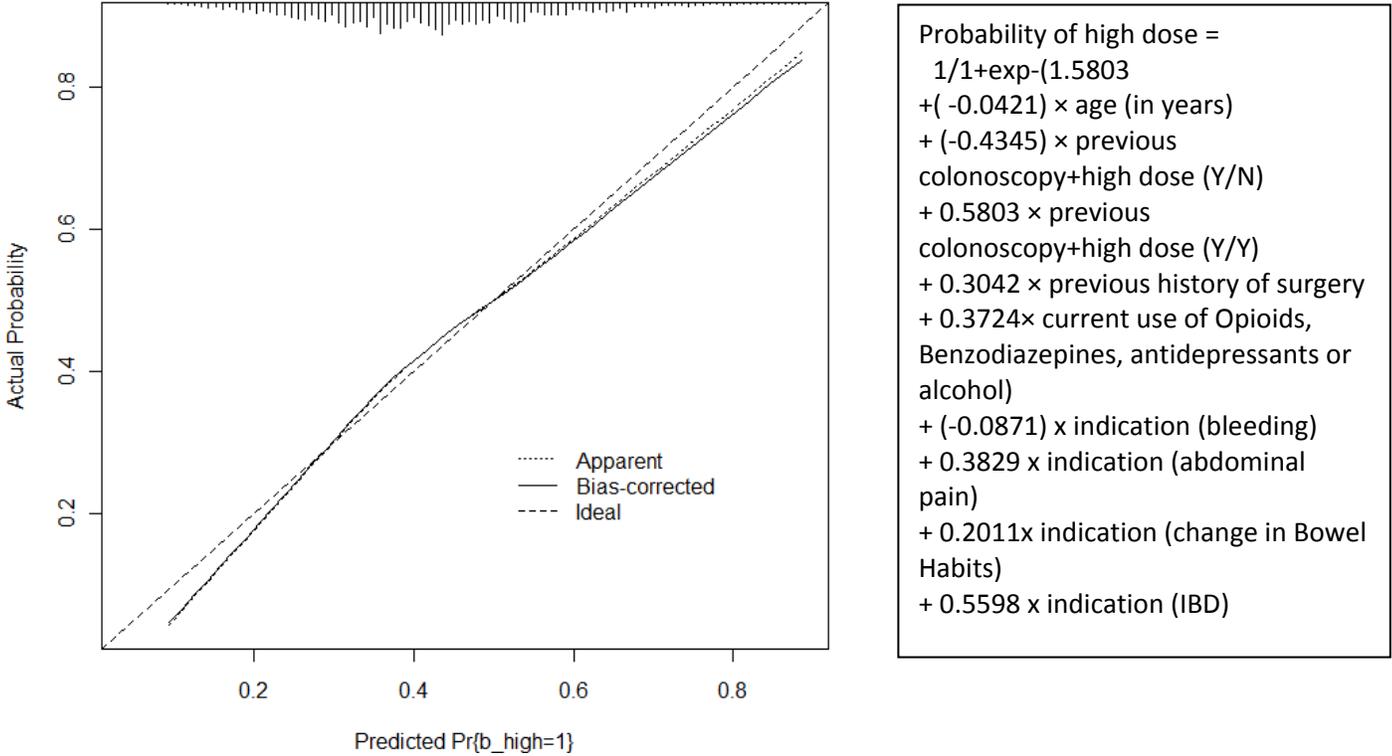


APPENDIX: Supplemental Table 1 and Supplemental Figure 1

Variables	Measurement Units	Odds ratio & 95% CI; p-value	
		Univariate analysis	Age & gender adjusted analysis
Pre-procedural			
Age	10-years	0.62 [0.54, 0.71]; <i>P</i> < 0.0001	
Gender	Female <i>vs</i> male	2.34[1.41,3.88]; <i>P</i> = 0.01	
Previous colonoscopy	Yes <i>vs</i> no	1.68 [1.08, 2.60]; <i>P</i> = 0.03	1.92 [1.18,3.11]; <i>P</i> = 0.01
Previous surgery	Yes <i>vs</i> no	1.40 [0.89, 2.19]; <i>P</i> = 0.13	1.52 [0.93, 2.51]; <i>P</i> = 0.09
Current use of Opioids, Benzodiazepines or antidepressants	Yes <i>vs</i> no	2.74 [1.73, 4.36]; <i>P</i> = 0.001	2.88 [1.74, 4.77]; <i>P</i> = 0.001
Indications (compared to screening/surveillance as reference variable)	Bleeding	1.21 [0.72,2.06]; <i>P</i> = 0.46	1.46[0.84,2.55]; <i>P</i> = 0.17
	Abdominal pain	2.38[1.11, 5.13]; <i>P</i> = 0.03	2.25[0.98,5.16]; <i>P</i> = 0.06
	Change in bowel movements	1.46 [0.82, 2.58]; <i>P</i> = 0.19	1.35[0.70,2.61]; <i>P</i> = 0.36
	IBD	4.35 [2.33, 8.13]; <i>P</i> < 0.001	3.17[1.58,6.37]; <i>P</i> = 0.002
Intraprocedural			
Poor preparation	Yes <i>vs</i> no	1.61[0.81,3.18]; <i>P</i> =	1.58[0.70,3.52]; <i>P</i> =

		0.15	0.23
Interventions	Yes vs no	1.33[0.84,2.12]; P = 0.56	1.36 [0.83,2.23]; P = 0.19
Difficult procedure	Yes vs no	4.74[2.94,7.65]; P < 0.0001	5.13 [2.97, 8.85]; P = 0.0001
Findings during procedure	Yes vs no	1.06[0.63, 1.78]; P = 0.79	1.58 [0.89,2.81]; P = 0.10

Supplemental Table 1: Age and Gender Adjusted Analysis of Variables Predictive of Fentanyl >50mcg and Midazolam>3mg doses in Multivariate Regression Analysis.



Supplemental Figure 1: Accuracy and composition of the final prediction model for high sedation.