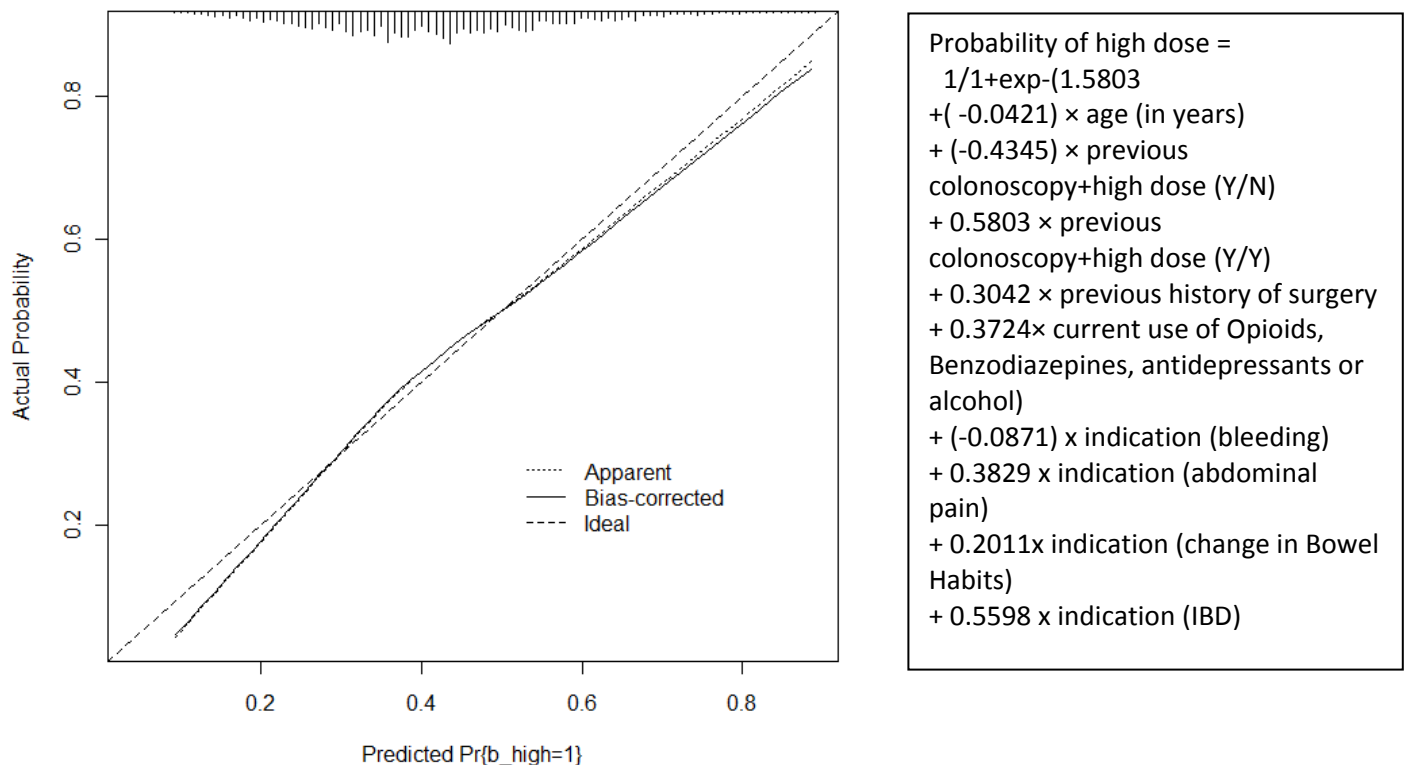


APPENDIX: Supplemental Table 1 and Supplemental Figure 1

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

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