

**Supplementary Table 1.** Associations of predictor variables with presence of gastric intestinal metaplasia (GIM) and extensive GIM (i.e., involving both antrum and corpus) among 580 GIM cases (of which 163 with extensive GIM) and 3908 controls in the pooled MEDVAMC and CHI-St. Luke's cohorts

	GIM		Extensive GIM	
	Adjusted OR	95% CI	Adjusted OR	95% CI
<b>Sex</b>				
Female	ref	ref	ref	ref
Male	1.50	1.18-1.90	1.87	1.16-3.01
<b>Age</b>				
<60	ref	ref	ref	ref
60-69	1.84	1.50-2.27	2.68	1.79-4.03
≥70	2.19	1.68-2.86	4.55	2.83-7.32
<b>Race/Ethnicity</b>				
White	ref	ref	ref	ref
Hispanic	2.19	1.69-2.82	3.89	2.40-6.29
Black	1.88	1.51-2.33	3.93	2.63-5.87
<b>Habitual Smoker</b>				
No	ref	ref	ref	ref
Yes	1.92	1.57-2.35	2.27	1.56-3.32
<b><i>Helicobacter pylori</i></b>				
No	ref	ref	ref	ref
Yes	3.28	2.69-4.00	3.46	2.43-4.92

For the GIM model, Probability (GIM=yes) =  $\log \{p(\text{GIM}=1)/[1-p(\text{GIM}=1)]\} = -3.543 + 0.404*(\text{Male}) + 0.612*(\text{Age } 60-69) + 0.786*(\text{Age } \geq 70) + 0.782*(\text{Hispanic}) + 0.630*(\text{Black}) + 0.652*(\text{Habitual Smoker}) + 1.187*(H. pylori)$ . For the Extensive GIM model, Probability (Extensive GIM=yes) =  $\log \{p(\text{Extensive GIM}=1)/[1-p(\text{Extensive GIM}=1)]\} = -5.949 + 0.624*(\text{Male}) + 0.987*(\text{Age } 60-69) + 1.516*(\text{Age } \geq 70) + 1.357*(\text{Hispanic}) + 1.368*(\text{Black}) + 0.821*(\text{Habitual Smoker}) + 1.240*(H. pylori)$ .